Sanatan Dharma College (Lahore)

Ambala Cantt-133001 (Haryana)

www.sdcollegeambala.org



Self-Study Report: 3rd Cycle

Submitted to

National Assessment & Accreditation Council

Bengaluru

2017

Internal Quality Assurance Cell

Self-Study Report 3rd Cycle

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PREFACE

It is a happy coincidence that we present the **Self Study Report** for the **3rd cycle** of accreditation to National Assessment & Accreditation Council of India **(NAAC)**, during the centennial year of the inception of our institution. Established in 1916 at Lahore (now in Pakistan), the institution was rehabilitated at Ambala Cantt in 1948. It has, since then, been a long, arduous but immensely satisfying journey for the stakeholders of the institution towards a common goal of excellence in higher education. The management, staff, students and the civil society have worked in tandem to make it what it is today — a multi-faculty, premier, co-educational institute of higher learning which has acquired the dimensions of a mini-University.

The policy-makers of higher education took a landmark decision when they made accreditation of HEIs mandatory. Not only has this resulted in an honest, periodic soul-searching exercise involving an extensive SWOC analysis resulting in increasing the overall excellence quotient of the institution but has also set the long awaited standards and parameters of quality. The greatest beneficiaries of this paradigm shift have been the students, who now get not only a better teaching-learning environment but also an entirely novel system of higher education wherein their multiple academic, curricular and career needs are suitably addressed.

The quality conscious management of our college wasted no time in becoming a part of the accreditation regimen. **1st Cycle of Accreditation** was carried out in **2003** when we were awarded **Grade B++;** followed by **2nd Cycle of Accreditation** in **2011**which resulted in the award of **'A' Grade with CGPA 3.48.** The college was awarded the status of **College with Potential for Excellence (CPE) by UGC in 2010 and again in 2014.**

After completing 100 years of its commitment to excellence in Higher Education, the institute is now in the process of raising its bar to imbibe the technological synergy that is revolutionizing the field of education. It has set new benchmarks in all fields of learner-centric educational needs and is now ready to get itself accredited for the **3rd Cycle of Accreditation.**

To facilitate the day-to-day institutional processes; to reduce consumption of time; to standardize procedures according to the needs of the stakeholders, the college has developed an online **College Information Management System (CIMS),** which is an ERP software web-application designed for streamlining the record keeping of almost all activities of the students and the staff. It is a first of its kind application in the region and is free to access by all the stakeholders. With the additional support of a leased line broadband Wi-Fi facility throughout the campus, the **CIMS** has indeed become a personal assistant to all users.

The present report is the outcome of the dedicated and sustained efforts of the **Internal Quality Assurance Cell of the college.** The IQAC was set up in 2001 as per the guidelines of the NAAC/UGC and has since then been working in harmony with the college authorities to usher the institution into a new era of quality consciousness, record-keeping and continuous self-assessment. I take this opportunity to congratulate the entire IQAC Team for their tireless efforts in the timely submission of this report.

As we move on to next levels in ICT and mobile applications, I do hope that the process of teaching and learning will become a more enriching experience for both the teacher and the learner and that technology will not desensitize the stakeholders of higher education but will remain what it is and what it should be — a necessary aid, an accessory to the human mind.

Dr. Rajinder Singh
Principal

March 2017

ABBREVIATIONS

ACR	—	Annual Confidential Report
AMC	—	Annual Maintenance Contract
API	—	Annual Performance Indicator
AQAR	—	Annual Quality Assurance Report
ASPSM	—	Advertising, Sales Promotion & Sales Management
AVR	—	Audio Visual Room
B. Voc.	—	Bachelor of Vocational Studies
BPO	—	Business Process Outsourcing
BSR	—	Basic Science Research
CAS	—	Career Advancement Scheme
CASH	—	Committee against Sexual Harassment
CAV	—	Computer Applications Vocational
CBCS	—	Choice Based Credit System
CEC	—	Consortium for Educational Communication
CGC	—	Career Guidance Cell
CGPA	—	Cumulative Grade Point Average
CIMS	—	College Management Information System
CPE	—	College with Potential for Excellence
DDU	—	Deen Dayal Upadhyaya
DGHE	—	Director General, Higher Education, Haryana
DHE	—	Director, Higher Education, Haryana
EDS	—	Electricity Distribution System
EPF	—	Employees' Provident Fund
ERP	—	Enterprise Resource Planning
EWS	—	Economically Weaker Sections
EWYL	—	Earn While You Learn
FDP	—	Faculty Development Program
FIP	—	Faculty Improvement Program
GJU	—	Guru Jambeshwar University, Hisar
H. Sc.	—	Home Science
HCS	—	Haryana Civil Services

HEI	—	Higher Education Institute
HPSC	—	Haryana Public Service Commission
HSIDC	—	Haryana State Industrial Development Corporation
ICT	—	Information & Communication Technology
ILL	—	Inter Library Loan Service
INFLIBNET	—	Information and Library Network
IPR	—	Intellectual Property Rights
IQAC	—	Internal Quality Assurance Cell
ISR	—	Institutional Social Responsibility
IZYF	—	Inter-Zonal Youth Festival
KU	—	Kurukshetra University
KUK	—	Kurukshetra University, Kurukshetra
MATLAB	—	Matrix Laboratory
MHRD	—	Ministry of Human Resource Development
MoU	—	Memorandum of Understanding
NAAC	—	National Assessment & Accreditation Council
NCC	—	National Cadet Corps
NDRI	—	National Dairy Research Institute, Karnal
NGO	—	Non-Government Organization
NME-ICT	—	National Mission on Education through Information and Communication Technology
NOS	—	Network Operating System
NPTEL	—	National Program on Technology Enhanced Learning
NSS	—	National Service Scheme
OER	—	Open Educational Resources
OMSP	—	Office Management & Secretarial Practice
OPAC	—	Online Public Access Catalogue
PBAS	—	Performance Based Appraisal System
PDP	—	Personality Development Program
PG	—	Post Graduate
PGDCA	—	Post Graduate Diploma in Computer Applications
PPI	—	Principles of Practice of Insurance
PTV	—	Peer Team Visit

QAP	—	Quality Assurance Procedures
QPNOS	—	Qualification Packs and National Occupational Standards
SDC	—	Sanatan Dharma College
Sdians	—	Alumni of the College
SOP	—	Standard Operating Procedure
SPI	—	Social Progress Index
SSR	—	Self Study Report
UG	—	Under Graduate
UGC	—	University Grants Commission
UNDP	—	United Nations Development Project
YRC	—	Youth Red Cross
ZYF	—	Zonal Youth Festival

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Executive Summary — SWOC Analysis

Founded in Lahore (now in Pakistan) in 1916, Sanatan Dharma College is the result of the vision of the great *Sanatanis* and Social Reformers **Mahamana Pandit Madan Mohan Malviya Ji** and **Shri Deen Dayal Upadhyaya Ji**. The partition of India was a huge set back to the institution. However, it goes to the credit of **Tyagmurthi Goswami Ganesh Duttji**, who, rehabilitated and re-established the college in Ambala in 1948. The Ministry of Defence provided 14 acres of land for the college. Soon with the help of various philanthropists, the construction for college building was in the pipeline. It is a matter of immense pride that the foundation stone of the college building was laid by India's first President **Dr Rajender Prasad on 3 October 1951**. Since then the institute has never looked back.

Indisputably the HEI of choice for the stakeholders of the region, the college today has on its rolls more than **3000 students,** offers **20 UG** and **09 PG programs** besides **08 add-on courses.** Of these, **19 programs** are offered under **self-financed scheme of the KUK/DHE.**

The institution gives due weightage to **the Personal Growth** and **Social Development Index** of its students. As such, strenuous efforts are made not only to achieve the best in the fields of Sports, Cultural, NCC, NSS, Career Guidance and Placement activities but also to raise the bar in line with the dynamic changes taking place in these areas.

Information & Communication Technology (ICT) has revolutionized the teaching-learning processes in a big way in the last ten years. The institution realized its importance from the very beginning and is now using ICT resources not only for purely academic and curricular activities but also in day to day administrative and other non-academic ventures.

Fully supported in all its academic and curricular endeavors by a progressive management as well as a versatile and dynamic Head of the institution, the college believes that quality and excellence are and should always remain the touchstones of education. In consonance with this philosophy, the **IQAC was set up as back as in early 2001** and the **Cycle-I of Accreditation was held in 2003** in which the college was awarded **B++ Grade. Cycle-II of Accreditation was held in 2011** with the institution being awarded **Grade 'A' with a CGPA of 3.48.**

Continuing with its tradition of excellence, the institution has now offered itself for **Cycle-III of Accreditation by NAAC.**

Criteria-wise Executive Summary

I-Curricular Aspects

Curriculum planning, implementation and related aspects are the basis of a stakeholder-friendly teaching-learning experience. While an affiliated college enjoys less autonomy in this area as compared to an autonomous institution, yet the institution tries its best within the given constraints to take care of the Curricular Aspects in a manner that will eventually make teaching-learning highly effective:

- ✓ Curriculum Planning & Management is done as per the guidelines provided by the affiliating University.
- ✓ Complete information regarding the curriculum is available in the college Prospectus & Institutional Website.
- ✓ Annual Action Plan for unitization of the syllabi.
- ✓ Distribution of papers/options is done on rotation basis.
- ✓ Regular Feedback on curriculum is obtained from the students.
- ✓ Participation of new teachers in Orientation Programs for improving teaching practices, soft-skills, e-skills and other pedagogical skills.
- ✓ Complete support services and infrastructure for effective dissemination of the curriculum
- ✓ Up gradation of Domain Knowledge of Faculty through various ways and means.
- ✓ Judicious mix of conventional and ICT based teaching methodology.
- ✓ Interaction with industry, research bodies and the University for Effective Operationalization of the curriculum.
- ✓ Representation of Faculty Members on various Boards of Studies of the University at UG and PG level.
- ✓ In-house curriculum development for various UG, PG and add-on courses including UGC Sponsored Skill Development B.Voc Courses under the UGC scheme of DDU Kaushal Kendra
- ✓ Continuous monitoring through various evaluative methods to ensure that stated objectives of curriculum are achieved.
- ✓ Number of skill-development, add-on and vocational courses besides conventional UG/PG programs for enhancing employability chances.
- ✓ CBCS, lateral and vertical mobility in selected courses.
- ✓ Number of self-financed and skill-oriented programs relevant to regional and global employment markets
- ✓ Supplementation of the University Curriculum through various programmes to achieve integration of academic programs and institution's goals.
- ✓ Special stress to integrate cross-cutting issues including gender sensitization, environment education, Human rights & ICT into the curriculum.
- ✓ Value-added and enrichment programs to ensure holistic development of students.
- ✓ Introduction of new courses from time to time as per the need of the stakeholders.

II- Teaching-Learning and Evaluation

Teaching and Learning is indeed the backbone of any educational institution. It is the foundation on which is built the edifice of a successful and personality. Understandably, the institution accords it number one priority and strives to provide an enriching teaching-learning experience to its students and faculty members:

- ✓ Merit based and transparent admission process.
- ✓ Online admissions with effect from 2016-17.
- ✓ Reservation policy of the state government is scrupulously followed.
- ✓ Regular review of admission process and student profiles.
- ✓ Various short-term courses to bridge the knowledge gap of the enrolled students.
- ✓ Appropriate remedial measures for slow and advanced learners.
- ✓ Exclusive monitoring of academic performance of students from disadvantaged sections of the society.
- ✓ Preparation of Annual Academic Calender, teaching plans and evaluation methods in the beginning of the session.
- ✓ Monitoring of the teaching-learning process by the IQAC.
- ✓ Concerted efforts to make learning more student-centric.
- ✓ Regular projects, seminars and other events to promote critical thinking, creativity and scientific temper among the students.
- ✓ Special focus on ICT and e-resources.
- ✓ Upgradation and augmentation of the CGC and the Placement Cell for providing academic, personal, psycho-social support and guidance services to students.
- ✓ Making the Library more and more stakeholder friendly as a major learning resource.
- ✓ Special focus on faculty development for enhancing the teacher quality.
- ✓ Motivation of faculty by providing suitable academic incentives.
- ✓ Online grievance redressal mechanism for students and staff.
- ✓ Pro-active Career Guidance and Placement Services.

III- Research, Consultancy and Extension

Dynamism in education is the outcome of research. Education evolves, grows and constantly changes its facets as the human mind thinks originally and differently. Not only the faculty but even the students of the institution are regularly motivated to orient themselves towards research activities. The results, especially in the last five years have been very encouraging. Since there is always room at the top, the future looks very bright in the areas of Research, Consultancy and Extension:

- ✓ Setting up of Sanatan Dharma Research & Development Centre under Restructuring Sanskrit Scheme.
- ✓ Standing Research Committee to monitorand address the issues of research.

- ✓ Awarded 11 Minor Research Projects during the session 2016-17.
- ✓ Liberal Policy for availing Study Leave under FIP of the UGC.
- ✓ BSR Projects for Students
- ✓ Labs are equipped with latest state-of-the-art equipment.
- ✓ Regular maintenance and calibration of all lab equipment.
- ✓ Extension & Guest Lectures to promote scientific temper among the students.
- ✓ Research based surveys for the benefit of the community.
- ✓ Organization of inter-disciplinary Conferences, Seminars and Workshops
- ✓ Enhancement of library resources for aiding research activities.
- ✓ College publishes its own Research Journal titled *PurvaMimaansa* — a multi-disciplinary bi-annual, research journal.
- ✓ 237 Research Papers published by the faculty in the last four years.
- ✓ Collaboration and linkage with Industry and the Corporate Sector.

IV- Infrastructure and Learning Resources

From rote learning to meaningful learning, associative learning and active learning, the teaching-learning process has seen significant changes over the years; especially in the last decade. ICT, Mobile Technology and Interactive Projection Systems provide the teacher and the learner with a never before, never heard of experience. Consequently, it has become imperative for HEIs to welcome and imbibe this change by making suitable changes in its Infrastructure and Learning Resources:

- ✓ Addition of latest infrastructure as per stakeholders' needs.
- ✓ Regular maintenance of existing infrastructure with addition of new facilities.
- ✓ Adequate infrastructural facilities for differently able individuals.
- ✓ Latest health care facilities with special provisions for girl students.
- ✓ Exclusive Common Room for girls with recreational facilities.
- ✓ Fully equipped Seminar Room with latest projection systems and group training resources.
- ✓ Two Audio-visual rooms with latest ICT facilities.
- ✓ E-kiosks for students
- ✓ Fully automated college Library with e-resources, Reference section, OPAC, INFLIBNET and Book bank facility for students.
- ✓ Air conditioned Reading Hall in the library.
- ✓ Reprographic, lamination and book binding facilities.
- ✓ Fully Wi-fi campus with two leased lines from ISPs.
- ✓ Internet lab for students and staff with printing facility.
- ✓ Fully air conditioned Auditorium with a capacity of 700 persons.
- ✓ Fully equipped Labs with latest ICT facilities and latest equipment.
- ✓ Inclusion of fully integrated projection systems with smart board facility.
- ✓ Regular upgradation of furniture and electrical fittings.
- ✓ Regular maintenance and landscaping of the college campus.
- ✓ Language lab, Maths lab, Mass Comm lab in addition to other subject labs.

- ✓ History and Zoology Museum
- ✓ Two open-air theatres.
- ✓ Vast playgrounds with running track and basket ball court
- ✓ Latest computer systems with up-to-date softwares.
- ✓ RO drinking water facility for students and staff.

V- Student Support & Progression

The student is the first and most important stakeholder in the teaching-learning process. His/her needs vary extensively due to the presence of a number of heterogeneous parameters. Hence, Student Support assumes paramount importance for the effective dissemination of quality education. Mere teaching without taking care of individual needs and merely acquiring degrees without gainful employment would be an irony of sorts. The institution follows a number of effective methods to provide adequate Student Support and to monitor Student Progression:

- ✓ Annual Publication of college prospectus.
- ✓ Regularly updated College Website and CIMS containing exhaustive information and interactive services for the stakeholders.
- ✓ Government and Private Scholarships for meritorious and needy students.
- ✓ Adequate incentives for SC/ST, OBC and students from EWS.
- ✓ Support for slow learners.
- ✓ Development of entrepreneurial skills among students.
- ✓ Special focus on Co-curricular aspects through various activities of Associations/ Clubs/ Cells/ NCC/ NSS etc.
- ✓ Glorious achievements in the fields of Sports and Co-curricular activities.
- ✓ Counselling services for students.
- ✓ Structured mechanism for career guidance and placement.
- ✓ Online grievance redressal mechanism on CIMS.
- ✓ Round the year seminars, workshops, extension and guest lectures, field trips, industry visits, exhibitions etc. organized for and by the students.
- ✓ Committee against Sexual Harassment (CASH) as per Govt./ UGC guidelines.
- ✓ Anti-ragging Committee as per the latest guidelines of Supreme Court/ UGC.
- ✓ Innovative welfare schemes for students.
- ✓ Opportunities for progression to higher level of education and employment.
- ✓ Prolific participation in sports, games, cultural and other extra-curricular activities by students.
- ✓ Various prizes won by students at State/ District and University level.
- ✓ Regular publication of college magazine with contributions from both students and staff.
- ✓ Active Alumni Association.
- ✓ Grooming of students as leaders.

VI- Governance, Leadership & Management

In a developing society, education changes its various facets very fast. Today, from the *Guru-Shishya* tradition we have come a long way to make the teaching-learning experience participative, innovative and dynamic. This would not have been possible without effective governance, leadership and management. Unlike the corporate world, where the sole motive is to increase sales, turnover and earn more and more profit, the HEI regimen focuses on the development of Human Resource. Hence the College Governing Team needs to play a very responsible and visionary role in the management of the institution:

- ✓ Documented Vision, Mission and Quality Policy.
- ✓ Regular communication and co-ordination between the Top Management, Principal and Faculty ensures proper progression of academic and curricular goals.
- ✓ Three core committees — IQAC, Advisory Committee and Planning Board — act as policy making bodies.
- ✓ Imbibing new managerial concepts for effective and timely dissemination of student-friendly services.
- ✓ The management and Principal are open to the dynamic changes in Higher Education and are ever ready to implement the latest technology.
- ✓ Regular meetings of Policy Making Bodies.
- ✓ The institution follows effective management techniques and procedures like decentralization, delegation and grooming of second and third line of leadership.
- ✓ A network of teams comprising of Standing Committees related to academics, sports, cultural and subject specific activities ensures hassle-free working.
- ✓ Delegation of authority is ensured as conveners of various committees, subject societies, NCC, NSS, other cells and all the heads of the departments act as 'administrative heads' for their specific areas of working.
- ✓ Participative management ensures encourages the involvement of stakeholders at all levels of an organization in the analysis of problems, development of strategies, and implementation of solutions.
- ✓ Annual Perspective Plan for Development ensures continuous growth.
- ✓ Involvement of the staff in the decision making process in day-to-day functioning of the institution.
- ✓ Brainstorming and implementation of Quality Improvement Strategies.
- ✓ Regular measures for motivation of the staff are undertaken to ensure participation at all levels and to increase efficiency.
- ✓ Online Grievance Redressal Mechanism is in place for the staff.
- ✓ Regular online and offline student feedback is obtained, analyzed and suitably implemented.
- ✓ Effective Faculty Empowerment Strategies.
- ✓ Stress on Faculty Development.

- ✓ Pro-active IQAC.
- ✓ Continuous review of the teaching-learning process.

VII- Innovations & Best Practices

This section focuses on the innovations done by the institution in the last four/five years. It also details two Best Practices of the institution which have contributed significantly to the improvement of the institutional processes and overall development of the stakeholders.

✓ Innovations

1. Development of online College Information Management System (CIMS)
2. Infrastructural Development in consonance with Academic and Curricular requirements.
3. Latest and innovative ICT resources
4. Fully interactive and responsive website with highly user-friendly and user-urgent features.
5. Fully functional Placement Cell with an impressive track-record.
6. Fully functional Career Guidance Cell catering to diverse students' needs related to career guidance.
7. Spoken Tutorials in collaboration with IIT Mumbai.
8. Self sufficiency in Power with own dedicated transformers and power generators.
9. Zero Water Wastage Campus
10. Zero Waste Campus (Vermicomposting Project)
11. E-Kiosks or instant online student support.
12. Earn While You Learn Scheme
13. Online-Admission Process

Best Practices

❖ Best Practice-I

College Information Management System

The college has developed CIMS (College Information Management System), which is an ERP based software developed in consultation with the needs of the stakeholders. Through CIMS students can access their examination results, assignment scores, attendance details and other academic information directly on their computers or mobile phone. Faculty members have the facility to upload details of their activities and duties during the session and then retrieve the same

in a desired format.

❖ Best Practice-II

Development of Social Progress Index (SPI) of Students

World research by International agencies like UNDP suggests that most of the youth from developing countries lag behind in soft skills, especially inter-personal and communication skills. The reason behind this is that professional as well as HEIs lay maximum emphasis on only technical knowledge and academic input. The result is that pass-outs from even some of the institutes of eminence are not able to get employment and even if they do, they find it difficult to retain. The goal of this practice is to motivate and provide ample opportunities as well as a sound platform to students where they can develop and enhance their personality by participating in a variety of activities which in turn will not only boost their confidence but also prepare them for the daunting challenges presented to them by the society, thereby, improving the Social Progress Index of the nation.

SWOC Analysis

- **Strengths**
  - Legacy of 100 years as a distinguished institute of Higher Education
  - NAAC accredited institution with Grade-A and 3.48 CGPA
  - College with Potential for Excellence
  - Enjoys the reputation of being the institution of choice for the stakeholders of the region
  - Courses of study in tandem with needs of stakeholders
  - Variety of short-term programs to increase employability quotient
  - Sprawling campus with vast play fields
  - Excellent infrastructural facilities
  - 24x7 Power Back Up and self-sufficiency in power
  - Impressive Placement track record
  - Co-curricular facilities second to none in the region
  - Availability of latest ICT resources
  - Automated Library with reference section, book-bank facility and e-kiosks
  - First of its kind internet based College Information Management System
  - Transparent and merit-based online admission process
  - Stress on quality and excellence in all institutional processes
  - Highly qualified faculty
  - Fully Wi-Fi campus
  - Implementation of latest managerial concepts in all institutional activities
  - Top management and Institution Head share progressive outlooks and common vision

- **Weaknesses**
  - Need to strengthen outreach and extension activities
  - More industry linkages need to be forged
  - Involvement of more faculty members in ICT based teaching
  - Need to strengthen Alumni network and its activities
  - Fall in strength of certain traditional courses is a cause for concern
  - Need to increase ICT enabled class rooms
  - More faculty members need to take up research projects
  - Need for orienting support staff to use ICT

- **Opportunities**
  - More research opportunities can be tapped
  - Linkages and twining with industry and other institutions
  - Introduction of new innovative courses
  - Inter-disciplinary research opportunities
  - Remunerative consultancy options
  - Introduction of CBCS

- **Challenges**
  - Dependence on State Government grant-in -aid policy for private colleges
  - Drastic fall in strength of certain traditional courses
  - Non-availability of regular faculty due to state government policies
  - Decreased human interaction between student and teacher due to technology invasion
  - Fall in classroom attendance
  - Financial self-sufficiency
  - Orientation of faculty towards ICT and web-based working environment
  - Improving work ethics

Part-A
Profile of the College

1. Name and Address of the College:

Name :	Sanatan Dharma College (Lahore)	
Address :	Jagadhari Road	
City : Ambala Cantt	Pin : 133001	State : Haryana
Website :	www.sdcollegeambala.org	

2. For Communication:

Designation	Name	Telephone	Mobile	Fax	Email
Principal	Dr. Rajinder Singh	O: 0171-2640283 R: 0171-2651811	9466596782	O: 0171-2640283	iqacsdcamb@gmail.com
Vice-Principal	Prof. Rajeev Chander Sharma	O: 0171-2640283	9896334496	O: 0171-2640283	iqacsdcamb@gmail.com
Steering Committee Co-ordinator	Dr. Sushil Kansal	O: 0171-2640283 R: 0171-2671414	9416260750	O: 0171-2640283	iqacsdcamb@gmail.com

3. Status of the Institution:

Affiliated College	✓
Constituent College	✗
Any other (specify)	✗

4. Type of Institution:

a. By Gender

i. For Men	✗
ii. For Women	✗
iii. Co-Education	✓

b. By Shift

i. Regular	✓
ii. Day	✗
iii. Evening	✗

5. It is a recognized minority institution?

Yes	✗
No	✓

6. Sources of funding:

Government	✗
Grant-in-aid	✓
Self-financing	✗
Any other	✗

7. a. Date of establishment of the college:
20/04/1916 (at Lahore), Rehabilitated at Ambala Cantt in 1948.

b. University to which the college is affiliated: Kurukshetra University

c. Details of UGC recognition:

Under Section	Date, Month & Year	Remarks
i. 2 (f)	Since the inception of the scheme.	Nil
ii. 12 (B)	Since the inception of the scheme.	Nil

8. Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?: No

9. Is the college recognized

a. by UGC as a College with Potential for Excellence (CPE)? : Yes

Date of recognition:

(a) CPE status for Phase I: 15/10/2010

(b) CPE status for Phase II: 04/01/2014

b. for its performance by any other governmental agency?: No

10. Location of the campus and area in sq.mts:

Location *	Urban
Campus area in sq. mts.	14.51 acres / 58720 sq. mts.
Built up area in sq. mts.	12060 sq. mts.

11. Facilities available on the campus:

Auditorium/Seminar complex with infrastructural facilities

- **Auditorium (01)**

  The main auditorium is centrally located with a seating capacity of over 700 persons. It is fully air conditioned, equipped with latest sound system and projection facilities, electrically controlled curtains and cyclorama, attached washrooms and a Green Room.

- **Seminar Halls (02)**

  The two Seminar Halls are air-conditioned and fully equipped with sound and Wi-Fi LCD projection systems. They have modular tables and removable chairs to facilitate participants' needs according to the nature of the program.

- **A-V Rooms (02)**

  Besides four Smart Classrooms, there are two air-conditioned Audio-Visual Rooms to facilitate day to day needs of ICT teaching-learning.

Sports facilities

- **Play grounds**

  The college has vast play grounds including facilities for:
  - **Cricket** — All-weather cricket pitch, facilities for net practice**.**
  - **Volley-Ball** — Dedicated Court
  - **Handball** — Dedicated Court
  - **Basket Ball** — Dedicated Court
  - **Table-Tennis** — Dedicated Court constructed at a cost of Rs. 54,470/-.
  - **Badminton** —Indoor Badminton Court
- **Swimming Pool:** No
- **Gymnasium**

  The college has its own state-of-the-art gymnasium**.**

Hostel Not Available

Cafeteria

- The college has a spacious, modern and fully equipped canteen to cater to the needs of the students and staff.
- It is reasonably priced and serves a variety of snacks and drinks.
- The Canteen Committee takes care of its quality standards and hygiene.

Health Centre

- The college has a part-time visiting doctor for the healthcare issues of the staff and students.
- Emergency facilities available at District Civil Hospital located within 01 km of the college campus.

- First-Aid available at the following centres in the campus — Youth Red Cross Office, NSS Office and Department of Sports.

First aid, Inpatient, Outpatient, Emergency care facility, Ambulance Health Centre Staff

Qualified Doctor	Full time: No	**Part-time: 01**
Qualified Nurse	Full time: No	Part-time: No

Facilities like banking, post office, book shops

A branch of the Central Bank of India is located within the vicinity of the college campus to facilitate the stakeholders.

Transport facilities to cater to the needs of students and staff

Various State, Public & Private Transport facilities are available within the vicinity of the college campus.

Animal house

- Dept. of Zoology has an Animal House. However, most of the animals are in the form of specimens which are preserved in the Zoology Museum.

Biological waste disposal

- The Biological Waste is segregated at source into dry and wet waste. The dry waste from the college canteen and campus is used to manufacture vermicompost.

Generator facility for management/regulation of electricity and voltage

- The following facilities exist in the institution in the shape of Generators and for management/regulation of electricity:
  - 200 KVA captive power plant
  - 200 KVA Transformer
  - 03 Generators
  - Centralized 11 KVA Electricity Distribution System
  - Generator and Transformer Room

Solid waste management facility

- Solid Waste is segregated into bio-degradable and non bio-degradable waste.
- Bio-degradable waste is used to manufacture manure.
- The non bio-degradable waste is disposed off under the supervision of the "Scrap Disposal Committee".

Waste water management

- The college has taken up the challenge of achieving Zero Water Wastage Campus status.
- Used water is recycled and used to irrigate gardens and lawns.

Water harvesting

- The institution has a fully-functional, modern rain-water harvesting system under which rain water is collected in pits and used accordingly.

12. Details of programmes offered by the college (current academic year)

S.No	Level	Name of the Programme	Duration	Entry Qualification	Medium of Inst.	Sanctioned Strength	No. of Students Admitted
1.	UG	BCA	3 years	Class-XII	English	80	46
2.	UG	BBA	3 years	Class XII	English	60	47
3.	UG	BSc-IT-Hons	3 years	Class-XII	English	40	36
4.	UG	BSc-CAV	3 years	Class-XII	English	15	10
5.	UG	BSc-C.Sc.	3 years	Class-XII	English	40	28
6.	UG	BSc-Elect	3 years	Class-XII	English	40	28
7.	UG	B.Com-CAV	3 years	Class-XII	English	45	41
8.	UG	BCom-GEN	3 years	Class-XII	English	160	157
9.	UG	BCom-PPI	3 years	Class-XII	English	40	28
10.	UG	BCom-ASPSM	3 years	Class-XII	English	40	35
11.	UG	BCom-OMSP	3 years	Class-XII	English	40	33
12.	UG	BA-GEN	3 years	Class-XII	English	400	262
13.	UG	BA(H) ENG	3 years	Class-XII	English	30	20
14.	UG	BA(H) Pol. Sc	3 years	Class-XII	English	30	14
15.	UG	BA (H) Skt	3 years	Class XII	Sanskrit	30	04
16.	UG	BSc-NM	3 years	Class-XII	English	120	120
17.	UG	BSc-MED	3 years	Class-XII	English	60	40
18.	UG	BSc-BIOTEC	3 years	Class-XII	English	40	22
19.	UG	BSC-H.Sc.	3 years	Class-XII	English	30	10
20.	UG	B.Voc –SD	3 Years	Class XII	English	50	31
SNo	**Prog. Level**	**Name of the Programme**	**Duration**	**Entry Qualification**	**Medium of Inst.**	**Sanctioned Strength**	**No. of Students Admitted**
1.	PG	MA-English	2 Years	Graduation	English	50	14
2.	PG	M.Com	2 Years	Graduation	English	50 +5	52
3.	PG	MSc-Applied Physics	2 Years	Graduation	English	40 + 10	45
4.	PG	MSc-Mathematics	2 Years	Graduation	English	40 + 10	44
5.	PG	MA-Hindi	2 Years	Graduation	Hindi	50	06
6.	PG	MA-Economics	2 Years	Graduation	English	50	09
7.	PG	MA Mass Comm.	2 Years	Graduation	English	40	10
8.	PG	PGDCA	1 Year	Graduation	English	80	10
9.	PG	M.Com-IT	2 Years	Graduation	English	20	19

SNo	Prog. Level	Name of the Programme	Duration	Entry Qualification	Med. of Inst.	Sanctioned Strength	No. of Students Admitted
1.	Certificate/ Diploma/ Advanced Diploma	Cosmetology	1/2/3 years	+2/First Year/Second Year/Third Year	English	30	37
2.	Certificate/ Diploma/ Advanced Diploma	Marketing	1/2/3 years	+2/First Year/Second Year/Third Year	English	30	49
3.	Certificate/ Diploma/ Advanced Diploma	Computer Maintenance	1/2/3 years	+2/First Year/Second Year/Third Year	English	30	01
4.	Certificate/ Diploma/ Advanced Diploma	Computer Applications	1/2/3 years	+2/First Year/Second Year/Third Year	English	30	24
5.	Certificate/ Diploma/ Advanced Diploma	Office Mgmt.	1/2/3 years	+2/First Year/Second Year/Third Year	English	30	64
6.	Certificate/ Diploma/ Advanced Diploma	Functional English	1/2/3 years	+2/First Year/Second Year/Third Year	English	30	08
7.	Certificate/ Diploma/ Advanced Diploma	International Trade Mgmt.	1/2/3 years	+2/First Year/Second Year/Third Year	English	30	75
8.	Certificate/ Diploma/ Advanced Diploma	Web Designing	1/2/3 years	+2/First Year/Second Year/Third Year	English	30	41

13. Does the college offer self-financed Programmes?

Yes, the college offers 23 Self-financed Programs.

14. New programs introduced in the college during the last five years?

Yes	✓	No	✘	Number	**06**

15. List the departments:

Faculty	Departments (eg. Physics, Botany, History etc.)	UG	PG	Research
Science	Botany (UG) Chemistry (UG) Physics (UG & PG) Mathematics (UG & PG) Computer Science (UG & PG) Electronics & IT(UG) Home Science(UG) Bio-Technology(UG) Zoology (UG)	9	3	NIL

Arts	Economics (UG & PG) English (UG & PG) Hindi (UG & PG) History (UG) Mass Communication (PG) Music (I) UG) Music (V) UG) Pol. Science (UG) Physical Education (UG) Punjabi (UG) Sanskrit (UG)	10	4	NIL
Commerce	Commerce & Office Management (UG & PG)	01	01	NIL
Any Other	NA			

16. Number of Programmes offered under:

a. Annual System	**01**
b. Semester System	**29**
c. Trimester System	**00**

17. Number of Programmes with

a. Choice Based Credit System	02 (B. Voc)
b. Inter/MultidisciplinaryApproch	02 (M.Com IT, B.Com (CAV))
c. **Any other**	NIL

18. Does the College offer UG or PG Program in Teacher Education? No

19. Does the college offer UG or PG programme in Physical Education? No

20. Number of teaching and non-teaching positions in the Institution:

Positions	**Teaching faculty**						**Non-teaching staff**		**Technical staff**	
	Professor		**Associate Professor**		**Assistant Professor**					
	M	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**
Sanctioned by State Govt. ***Recruited***	NA	NA	08	11	19	15	21	07	20	01
Yet to recruit	--	--	--	--	17		08		--	--
Sanctioned by Management ***Recruited***	--	--	--	--	Contractual 12M + 57F Mgmt: 02F		--	--	--	--
Yet to recruit	--	--	--	--	--	--	--	--	--	--

21. Qualifications of the teaching staff:

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	M	F	M	F	M	F	
Permanent teachers							
Ph.D.	NA	NA	07	04	13	07	31
M.Phil.	--	--	01	06	01	04	12
PG	--	--	01	00	06	04	11
Temporary teachers							
Ph.D.	--	--	--	--	00	07	07
M.Phil.	--	--	--	--	05	14	19
PG	--	--	--	--	08	36	44
Part-time teachers: NIL							

22. Number of Visiting/Guest Faculty engaged with the College: Nil

23. Furnish the number of the students admitted to the college during the last four academic years.

Categories	Year 1 (2012-13)		Year 2 (2013-14)		Year 3 (2014-15)		Year 4 (2015-16)	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	112	109	131	121	145	145	188	151
ST	02	00	03	00	00	00	01	01
OBC	107	123	96	103	86	87	70	50
General	779	1120	765	1058	787	992	882	972
Others	165	179	192	203	214	248	282	312

24. Details on students enrollment during the current academic year:

Type of students	UG	PG	M. Phil.	Ph.D.	Total
Students from the state where the college is located	2741	326	NA	NA	3067
Students from other states	33	03	NA	NA	36
NRI students	NIL	NIL	NIL	NIL	NIL
Foreign students	NIL	NIL	NIL	NIL	NIL
Total	2774	329	NIL	NIL	3103

25. Dropout rate in UG and PG (average of the last two batches):

The following table shows the Dropout Rate of different UG & PG Classes/Courses:

Class: Commerce	2012-2013	2014-2015	Drop out %	2013-2014	2015-2016	Drop out %	Average Dropout of last two batches
B.Com General	86	78	9.30	80	71	11.25	10%
B.Com SF	85	82	3.52	81	75	7.40	5%
B.Com CAV	42	39	7.14	37	31	16.21	12%
B.Com ASPSM	35	21	40.00	42	34	19.04	29%
B.Com OMSP	36	32	11.11	36	29	19.44	15%
B.Com PPI	35	29	17.14	14	10	28.57	23%
B.B.A	53	47	11.32	42	32	23.80	18%
M.Com General	39	36	7.69	35	35	-	4%
M.Com IT	13	11	15.38	17	17	-	8%

26. Unit Cost of Education

(Unit cost = total annual recurring expenditure (actual) divided by total number of students enrolled)

(a) Including the salary component Rs. 57,201/-

(b) Excluding the salary component Rs. 19,172/-

27. Does the college offer any program in distance education mode?: No

28. Provide Teacher-student ratio for each of the program offered.

S.No	Level	Program	Ratio
1.	UG	BA	1:22
2.	UG	B.Sc.	1:20
3.	UG	B.Com	1:27
4.	UG	BCA	1:38
5.	UG	BBA	1:27
6.	UG	B.Sc.-IT-Hons	1:25
7.	UG	B.Voc	1:16
S.No	**Level**	**Program**	**Ratio**
1.	PG	MA-English	1:10
2.	PG	M.Com	1:19
3.	PG	M.Sc.-Applied Physics	1:15
4.	PG	M.Sc- Maths	1:27
5.	PG	MA-Eco	1:13
6.	PG	MA Mass Com.	1:10
7.	PG	M.Com-IT	1:30
8.	PG	MA Hindi	1:10
9.	**PG**	**PGDCA**	1:6

29. Accreditation being applied for : Cycle-3

30. Date of accreditation:

Cycle 1	Cycle 2	Cycle 3
21/03/2003	16/09/2011	In Progress
Awarded Grade B++	Awarded Grade 'A' with CGPA 3.48	NA

31. Number of working days during the last academic year: 273

32. Number of teaching days during the last academic year: 180

33. Date of establishment of IQAC: 05/03/2001

34. Details regarding submission of (AQAR) to NAAC:

1. AQAR 2011-12, submitted on: 07/03/2013
2. AQAR 2012-13, submitted on: 02/12/2013
3. AQAR 2013-14, submitted on: 19/06/2015
4. AQAR 2014-15, submitted on: 20/08/2016

35. Any other relevant data: NIL

Part-B
Criteria Wise Inputs

CRITERION I
CURRICULAR ASPECTS

1.1 Curriculum Planning and Implementation

1.1.1 State the vision, mission and objectives of the institution and describe how these are communicated to the students, teachers, staff and other stakeholders.

The institution aims to blend traditional and modernistic approaches to education to uplift and better the society. It endeavors to inculcate *Sanatan Dharma* values while imparting western education in order to strike a balance between the two. More than a century later, the institution still upholds the vision of its founders.

- **Our Vision**

  The Vision of the college is an offspring of the lofty ideals of its founders and great educationists like 'Bharat Ratna' Mahamana Pt. Madan Mohan Malviya, which in Sanskrit reads: *Tamso Ma Jyotirgamay* or Lead Me from Darkness to light.

- **Our Mission**

  The primary mission of the college is to uplift the society through education. Like a beacon, guiding the philosophy of nurturing a healthy human resource that is endowed materially, intellectually, morally and spiritually, the institution continues to spread the light of knowledge.

- **Our Objective**

  The institution aims at generating a productive human resource by laying emphasis on "Improving the Quality of Life" through purposeful education in consonance with the mission:

- To provide a congenial academic atmosphere.
- To extend the horizon of knowledge and skills keeping in mind National and global trends.
- To promote research and scholarship by strengthening infrastructure and human resource.
- To provide different avenues to the students, ensuring social parity and gender sensitivity.
- To imbibe a spirit of National Character.
- To provide multi-faceted development of students.

The vision, mission and objectives are communicated to the stakeholders through the following channels:

- They are displayed prominently in the college campus.
- They are clearly stated on the college website.
- They are also mentioned in the college Prospectus.
- These are reiterated during the Staff Council meetings.
- The College Annual Report distributed among the stakeholders during the Annual Convocation & Prize Distribution functions also contains these details.
- They are also enumerated during the Annual Alumni Meet.
- They are communicated during the Orientation Program of new students.

1.1.2 How does the institution develop and deploy action plans for effective implementation of the curriculum? Give details of the process and substantiate through specific example(s).

- Being an affiliated college, the institution follows the curriculum designed by the affiliating University i.e. KUK.
- The entire curriculum is available to the stake-holders on the University/College Website.
- Departments are asked to provide their workload prior to the beginning of the new academic session for preparing the ground time-table and allotment of theory/practical classes.
- An action plan is devised within the department wherein unitization of the syllabi is done according to the available number of teaching days in the semester. This is done in the departmental meetings held under the chairmanship of the HOD.
- For example, the paper-wise unitization of Semester-IV of M.A. (English) for Course-XVI is as follows:

Course XVI: Critical Theory (Part-II)
Teacher: XYZ

UNIT	PERIOD
Compulsory Question + Unit I	01-01-16 to 10-02-16
Units II & III	11-02-16 to 31-03-16
Unit IV	01-04-16 till preparatory

- This implementation/distribution is further discussed and conveyed to the Principal during Departmental Meetings.
- Curriculum distribution is done in consonance with the teacher's expertise / area of specialization.

- The Action Plan formulated is then disseminated to the students through College Information Management System (CIMS)
- Mid-Term and End-Term Feedback on curriculum by the students is taken into consideration which forms the survey and the basis of needs assessment for effective future planning of the curriculum.

1.1.3 What type of support (procedural and practical) do the teachers receive (from the University and/or institution) for effectively translating the curriculum and improving teaching practices?

Support at the University Level

- The University provides procedural support for effective translation of the curriculum by providing the syllabus and the number of theory/practical/composition periods.
- It also provides effective academic inputs on curriculum through organization of Refresher Courses.
- It also organizes Orientation Courses for newly appointed teaching faculty for improving their teaching practices, soft-skills, e-skills and also acquaints them with the latest pedagogical skills.

Support at the Institution Level

- The institution provides a host of services and infrastructural facilities for effective dissemination of the curriculum and for improving teaching practices:
    - Well ventilated and equipped classrooms.
    - Computerized library with latest ICT facility.
    - Smart Classrooms (Limited Facility)
    - Complete Wi-Fi Campus with online College Information Management System (CIMS) for online access of teaching-resources.
    - A-V Rooms with Wi-Fi LCD projectors
    - FDPs for regular and ad-hoc staff are organized by the following agencies:
        - UGC-Human Resource Centres of various Universities:
            - ✓ Refresher Courses
            - ✓ Orientation Courses
            - ✓ Courses on Human Rights
            - ✓ Soft-Skills Courses
            - ✓ Research Methodology Courses
            - ✓ ICT Based Teaching Courses
            - ✓ Courses on e-Web Resources
            - ✓ Summer & Winter Schools
        - Other Institutions

- In-House FDPs by the institution
- Regular up gradation of domain knowledge of the staff through International/National Seminars/Conferences/ Workshops etc.
- Generation of e-content online
- Software Training for Labs in Linux, FORTRAN, PHP, MATAB, Android Development, Computational Physics, Computational Sanskrit, Tally etc.
- Teacher exposure through visits to various industries/corporate houses for development of new course content/curriculum; e.g. B.Voc Courses.
- Encouraging teachers to undertake the following Practical Activities for improving their teaching skills:
  - ✓ Workshops for students
  - ✓ Guest/Extension Lectures
  - ✓ Field/Industrial Visits
  - ✓ Exhibitions
  - ✓ Botanical Excursions

1.1.4 Specify the initiatives taken up or contribution made by the institution for effective curriculum delivery and transaction on the Curriculum provided by the affiliating University or other statutory agency.

The institution takes effective curriculum delivery very seriously. For this purpose the following teaching methodologies are deployed:

Conventional Teaching Methodologies

- All HODs are instructed to closely monitor the progress made by each teacher during the semester. It is ensured that the unitization drawn up at the beginning of the semester is scrupulously followed.
- The curriculum is regularly updated by the Common Syllabi Committee of which many regular staff members of our college are members.
- Special care is taken to address the needs of 'slow' and 'advanced' learners.
- Subject Associations & Clubs are active throughout the year and organize various activities e.g. IT Fest, Commerce Fest, Maths Exhibition, Literary Workshops etc. to enhance the subject knowledge of the students.
- Environment Awareness Club is active throughout the session to motivate the students and also adds to their existing knowledge which helps them in their compulsory Environment Subject.
- Posters & Charts are displayed in the labs. Working & Non-Working Models are prepared by the students which enhance their domain knowledge.
- Seminars/Project Work is given to the students to give practical training.

- Field/Industrial visits are organized to provide exposure to industry environment.
- New Books with latest editions are added to the library every year.

Technology Based Teaching Methodologies

- Fully equipped Smart-Classrooms with Wi-Fi LCD Projection System (Hydraulic Hidden Mode Facility).
- Laboratories with latest gadgetry based on ICT including smart boards, projectors, laptops and all-in-one podiums.
- Fully Wi-Fi Campus with two dedicated leased lines of 20 Mbps & 2 Mbps.
- Teachers provide additional resources/notes to the students through CIMS.
- Laptops are provided to all the HODs for effective teaching environment.
- E-Journals are available in the library.
- Fully equipped Language Lab for improving the communication skills of students.

Training Programs & Workshops Organized for Students (2011-16)

Guest Lectures	Workshops	Industrial Visits & Educational Tours	E-Learning Tools/ Training
213	64	85	14

1.1.5 How does the institution network and interact with beneficiaries such as industry, research bodies and the university in effective operationalization of the curriculum?

The institution is devoted to the establishment of better interaction with the beneficiaries to enhance the academic acumen and employability skills of its students. The following details give an elaborate insight into the institutional networking practices:

Interaction with Industry

- Following MOUs have been signed with the industrial houses who in return provide the students with hands-on-training and exposure to industry:

1. Ameo Tech Informatics, Mohali (Punjab), India
2. G. Tech Informatics, Ambala Cantt
3. Silex Softwares Private Limited, Ambala Cantt
4. The Jobs Express, Ambala Cantt
5. The Vertical Recruiters, New Delhi
6. Web Spin Technologies, Panchkula (Haryana)
7. Sebiz Infotech Ltd., Mohali (Punjab), India
8. NETSMARTZ House, Chandigarh

9. Xport Soft technologies Private Ltd., Ambala Cantt
10. Consortium for Educational Communication, New Delhi
11. Indian Institute of Technology (IIT), Bombay
12. IT-ITES Sector Skills Council NASSCOM, Delhi.
13. Tally Institute of Learning, M.G.M Education, Ambala City
14. Big Bazaar, Ambala Cantt
15. Hero Honda, Ambala Cantt
16. Nikunj Motors, Ambala Cantt

- The institution organizes Industrial & Field Visits which result in curriculum enhancement of the students. Some of the visits organized include:
    - Botanical Excursion to Mussourie on 22-09-2011.
    - Visit to Fish Farm Jansui Head by Zoology Department in March, 2012.
    - Visit to Infosys Chandigarh on 30-10-2011 by department of Electronics & IT.
    - Botanical Excursion to Mussourie and Dehradun on 29-09-2012.
    - Visit to Rana Polycot Ltd. by students of M.A. Economics in 2012.
    - Visit to Aanganwadi at Kardhan village on 31-10-2013 by the students of B.Sc. Home Science.
    - Visit to Pushpa Gujral Science City Jalandhar on 29-03-2014.
    - National Stock Exchange at New Delhi on 02nd Nov, 2015
    - Chandigarh Stock Exchange on 18th Feb 2016.
    - Visit to SEBIZ Square Mohali on 13-11-2015 for BCA and B.Voc. Students.
    - Visit to NETSMARTZ House IT Park, Chandigarh on 13-11-2015 for BCA and B.Voc. Students.
    - Visit to Think Next Technologies Pvt. Ltd. on 11-02-2016.
    - Visit to Ameotech Informatics Mohali on 11-02-2016.
    - Visit to XPORT SOFT Technologies, Ambala Cantt on 22-03-2016.

- Resource Persons from Industry/Research Bodies/Universities are invited on a regular basis to interact with the students and to discuss the market trends. Experts are also invited from the University to teach the advanced portions of the curriculum.

List of eminent Resource Persons

Scientists

1. Dr. B. N. Jagtap, Director, Chemistry Group, BARC, Mumbai.
2. Dr. K. L. Ramkumar, Director, Radio Chemistry and Isotope Group, BARC Mumbai.
3. Dr. A. V. R. Reddy, Head, Analytical Chemistry Division, BARC, Mumbai.
4. Dr. P. C. Kalsi, Analytical Chemistry Division, BARC, Mumbai.
5. Dr. T. Krair, BARC, Mumbai.
6. Dr. J. Bhatt, BARC, Mumbai.
7. Dr. Dinesh Kumar, Principal Scientist, ICAR, New Delhi.
8. Dr. Rekha Sharma, Principal Scientist, NBAGR, Karnal.
9. Dr. Adesh Sharma, Senior Scientist, NDRI, Karnal.
10. Dr. Anuj Kumar, Scientist, NDRI (Karnal).

Academicians

1. Prof. (Dr.) Tankeshwar, VC, G. J. U. of Science and Technology, Hisar.
2. Prof. (Dr.) Radhey Shyam Sharma, Vice Chancellor, CDLU, Sirsa.
3. Prof. (Dr.) Ajay Gupta, Former Centre Director, UGC-DAE Consortium for Scientific Research, Indore.
4. Prof. (Dr.) Anand Kumar Bacchawat, Biological Sciences, IISER Mohali.
5. Prof. (Dr.) PV Bhartam, Biochemical Sciences, NIPER, Mohali.
6. Dr. Anil Pundir, Registrar, GJU S&T, Hisar.
7. Dr. Andrew W. Hay, Jindal Global University, Sonepat.
8. Dr. Ramjiwari, Associate Professor, Department of Mathematics, IIT, Roorkee.
9. Prof. (Dr.) Raj Rani Bhargav, IIT, Roorkee.
10. Dr. Aditya Kaushik, Associate Professor, Panjab University, Chandigarh.
11. Prof. (Dr.) Madhubala Saxena, Delhi University, Delhi.
12. Prof. (Dr.) Paramvir Singh, Head, Dept. of Encyclopaedia of Sikhism, P.U. Patiala.
13. Dr. Girish Nath Jha, Special Center for Sanskrit Studies, JNU, Delhi.
14. Dr. Kamini Khanna, Associate Professor, Bharti Vidya Peeth, Mumbai.
15. Prof. (Dr.) S. K. Chadha, University Business School, P.U. Chandigarh.
16. Prof. (Dr.) Sanjay Kaushik, University Business School, P.U.University, Chandigarh.
17. Dr. Y. K. Arora, Acharya, Oshodhara, Murthal (Sonepat).
18. Prof. (Dr.) Raghuvendra Tanwar, Dean, Academics, KUK.

Experts from the Industry
1. Mr. Sanjay Jain, Group CFO, Future Group of Companies, Mumbai.
2. Mr. Puneet , Developer & Trainee Officer, SEBIZ Infotech, Mohali
3. Mr. Suresh Vyas, Assistant Regional Manager, Usha International Ltd.
4. Dr. Raj Singh, Registrar of Companies, Punjab, Chd. & H.P.
5. Ms. Kiran Kurwade, Deputy Director, PIBM, Pune.
6. Mr. Sachin Jasuja, Regional Product Manager, Adiya Birla Group, New Delhi.
7. Mr. Sunil Kumar Singh, Associate Vice President, Piaggio Vehicles Pvt. Ltd.
8. Mr. Yuvraj Singh, Operation Manager, Future Value Retail, Ambala Cantt.
Eminent Visitors
1. Prof. (Dr.) Kaptan Singh Solanki, Governor, Haryana & Punjab.
2. Prof. (Dr.) K.C. Sharma, VC, KUK.
3. Prof. (Dr.) Rajbir Singh, Director, Consortium for Educational Communication.
4. Maj. Gen. Anil Kumar Shori, Addl. DG, Army Postal Service, New Delhi.
5. Sufi Singer Barkat Sidhu Ji
6. Pt. (Dr.) Harvinder Sharma, renowned Sitar Maestro of North India.
7. Pt. Subhash Ghosh, renowned Maestro of SWAR RAAGINI
8. Prof. (Dr.) Hukam Chand, Dept. of Music, M D University, Rohtak
9. Prof. (Dr.) Chaman Lal Verma, Dept. of Music, HPU, Shimla.
10. Sh. Shiv Raman Gaur, IAS, Director, Information, PR & Cultural Affairs, Haryana.
11. Sh. B.S. Malik, IAS, Special Secretary, Haryana Govt.
12. Sh. Sanjeev Kaushal, IAS, FC & Principal Secretary, Haryana Govt.

The institution has established MoUs with the following institutions for effective operationalization and dissemination of the curriculum by organizing academic programs in collaboration with:

1. National Center for Social Media Research, Chandigarh.
2. Center for Historical Research & Comparative Studies, Panchkula
3. Center for Health Policy Research & Analysis, Mohali.
4. Darshan Yoga Sansthan, Dakshina Murti Bhavan, Dalhousie
5. Thakar Dei Mehra Charitable Foundation, Amritsar.
6. Vedic Research Centre & Department of Sanskrit, Kanya Mahavidyalaya, Jalandhar City.
7. Department of Sanskrit, Pali & Prakrit, GNDU, Amritsar.
8. Department of Sanskrit, Pali & Prakrit, KUK.
9. Department of Sanskrit & Pali, Punjabi University, Patiala.
10. Haryana Granth Academy, Academy Bhawan, Sector 14, Panchkula.
11. Burning Brain Society, Sector 33, Chandigarh.

12. Haryana Sanskrit Academy, Academy Bhawan, Sector 14, Panchkula.

- The Placement Cell plays a pro-active role in providing job opportunities to the students. It invites the corporate sector for Placement Drives, Career Counselling, Training, Seminars and Workshop.
- Students are required to submit Research Projects as part of their curriculum.

Students selected during campus and off-campus interviews (2015-16)

Sr. No.	Company	Placements
1.	IBM	**08**
2.	WIPRO	**40**
3.	WNS (Off. Campus)	**07**
4.	Inter Global (Off Campus)	**07**
5.	Tech Mahindra (Off. Campus)	**05**
6.	ICICI PRO	**26**
7.	Xperia Technologies	**20**
8.	HDFC	**43**
9.	Tata Business Support Services TBSS	**73**
10.	Aditya Birla Group & TBSS	**02**
11.	British Telecom	**01**
	Total	**232**

1.1.6 What are the contributions of the institution and/or its staff members to the development of the curriculum by the University?

A number of our regular staff members are on the Boards of Studies of both UG and PG Courses. They are instrumental in suggesting the changes in the curriculum. The feedback provided by the stakeholders is communicated to the Members, Board of Studies who in turn convey it accordingly.

Faculty Members on Boards of Study (UG/PG)

S. No.	Name	Department
1.	Prof. Veena Sharma	English
2.	Dr. Rajinder Singh	Electronics & IT
3.	Dr. Neena Malhotra	English
4.	Prof. Neelam Ahuja	Home Science
5.	Dr. Divya Jain	Botany
6.	Dr. Uma Sharma	Sanskrit
7.	Dr. Sunil Sharma	Physics
8.	Mr. Praveen Mathur	Electronics & IT
9.	Mr. R. C. Sharma	Commerce
10.	Dr. N K Sharma	Hindi
11.	Dr. Desh Bandhu	Botany
12.	Mrs. Indra Yadav	Chemistry

Faculty Members on Miscellaneous University Bodies/Committees/Panels

S.No.	Name	Position(s)
1.	Dr. Alka Sharma (English)	• Member, Academic Council, KUK. • Member, Admissions Committee, KUK. • Member, Committee for Practical Examiners & Flying Squad, KUK.
2.	Dr. Jaideep Chauhan (English)	• Member, NSS Advisory Committee, KUK. • Member, NSS Merit Certificate Committee, KUK. • Member, University Panel for External Examiners, CCS University, Meerut. • Member, University Panel for External Examiners, KUK.
3.	Dr. N K Sharma (Hindi)	• Vice-President of Cultural Council, KUK.
4.	Dr. Naveen Gulati (Mathematics)	• Member, Committee to look into UMC, KUK. • Member, Inspection Committee for B. Ed. Colleges, KUK.
5.	Dr. Desh Bandhu (Botany)	• VC Nominee, KUK to draft Amendments/addition to various Ordinances, modalities for implementation of criteria for awarding Internal Assessment to UG & PG students. • Member, Academic Council, KUK. • Member, Committee to formulate API Criteria for aided colleges of Haryana. • Member, NSS Advisory Committee, KUK. • Member, Youth & Cultural Welfare Committee, KUK.
6.	Dr. Rajinder Singh (Electronics)	• Vice-President of Cultural Council, KUK. • Member committee for drafting of the State Higher Education Plan for Haryana on the Theme "Opportunities for Technology Enabled Learning". • Nominated by Director Higher Education Haryana as Nodal Officer, District Ambala on New Education Policy. • Nominated by Vice Chancellor as Member, Examination Reforms Committee, K.U.K.

- Formal feedback from outgoing students, earlier obtained manually, has now been converted to online mode.
- Informal interaction/feedback is obtained by the teachers in their classrooms.
- Curriculum for some of the courses like B. Voc, M. Com I.T. and add-on

courses has been developed by our faculty after conducting a need-based analysis and suggestions given by:

- External examiners/peers
- Experts from Placement Cell Drives
- Members of Industry
- Department of IT & Electronics sent teachers' feedback to the Board of Studies of the University which in turn accepted and made changes in the curriculum accordingly.

1.1.7 Does the institution develop curriculum for any of the courses offered (other than those under the purview of the affiliating university) by it? If 'yes', give details on the process ('Needs Assessment', design, development and planning) and the courses for which the curriculum has been developed.

Yes, the college has developed curriculum for the following 04 courses in the last four years as detailed below**:**

1. Add on Course in Web Designing

- **Needs Assessment**

Department of Computer Science & Applications has developed the curriculum of Certificate Course in Web Designing. The demand for IT professional skilled with Web Designing and development tools is increasing day by day. So the college intends to train its students with the skills required by the industry engaged in Web Designing and Development.

- **Design**

This course is a one year certificate course divided into three modes: Theory, Practical and Project.
The curriculum was developed by Department of Computer Science and Applications of our college and approved by KUK. Exams are conducted annually.
Since this is an integrated course, it is implemented in three phases:
a) Certificate Course – First Year
b) Diploma Course – Second Year
c) Advanced Diploma Course – Third Year

2. M.Com IT — Multidisciplinary UGC sponsored innovative course

It is a two year full-time specialized course at the Post-graduate level after graduation in Inter-disciplinary and emerging areas. The course curriculum is jointly drafted by department of Commerce and Information Technology.

- **Needs Assessment**

Transforming organizations with information technology is an important business objective because traditional structures are often ineffective in producing desired level of productivity, customer service, and employee welfare and shareholder value. All business activities like Accounting, Marketing, Advertising, Communication, Customer Interaction, Scheduling

etc. are sped up with the help of computers. Present Commerce courses expose students to Finance, Management, Statistics, Economics, Insurance and Banking but not to IT skills. Hence a need was felt to equip management professionals with IT Skills.

- **Design:**

  This course is a blend of IT and Management skills. It is a two year Post graduate program wherein the semester pattern is followed. The curriculum was designed by Department of Commerce & IT in consultation with experts from industry keeping in view the market trends. Syllabus has been approved by KUK.

3. UGC Sponsored Skill Development B.Voc Courses under the UGC scheme of DDU Kaushal Kendra

- **Needs Assessment**

  Industry needs skilled manpower trained as per its requirements but traditional courses are not able to equip graduates with the required skills. Two under mentioned B.Voc degree courses with multiple entry and exit points have been started by the college under the UGC scheme of DDU Kaushal Kendra to meet the economic and industrial needs at regional and national levels:

  i) **B.Voc (Software Development)**
  ii) **B.Voc (Business Process Outsourcing)**

  Curriculum of the B.Voc (Software Development) has been designed by the Department of Computer Science & Applications and that of B.Voc (BPO) has been designed by Department of Commerce and Department of Computer Science and Applications jointly.

- **Design**

  Curriculum is designed as per the Qualification Packs/NOS of relevant job roles based on exit profiles of the students laid down by NSDC. A constant dialogue was established with academicians from university and experts from the Software Development and BPO industry. B.Voc is a three year degree program with multiple entry and exit levels with the provision for horizontal and vertical mobility. It follows CBCS and provides for provision for credit transfer across courses. The course curriculum once designed is reviewed and modified as per the current trends and needs of industry.

1.1.8 **How does the institution analyze/ensure that the stated objectives of curriculum are achieved in the course of implementation?**

The institution endeavors to sensitize the teachers to the need of achieving the stated objectives. For effective dissemination of the contents of the curriculum, teachers are encouraged to use a variety of methods of instruction in the class-room with special emphasis on ICT. The following academic activities help in ensuring that the stated objectives of curriculum are achieved:

- Thorough analysis of University Results
- Monitoring Student Progression to Higher Studies
- Monitoring Students' Placements
- Through analysis of students' participation and achievements in co-curricular activities.
- Assignments— 2 Assignments per semester for UG and one per semester for PG
- Class Tests— One mandatory Class Test per semester
- Seminars
- Project Work
- Student Feedback—Mid-term and end-term feedback system.
- Tutorials for slow learners.
- Extra classes by teachers to ensure fulfillment of the needs of slow and advanced learners.
- Remedial/ merit classes.
- Additional books and e-resources for merit students.
- Smaller groups for Science subjects specially Computer Science & IT for better hands-on experience of the theoretical knowledge.
- Educational tours.

1.2 Academic Flexibility

1.2.1 Specifying the goals and objectives give details of the certificate/diploma/skill development courses etc., offered by the institution.

GOALS & OBJECTIVES

The corporate sector in India has seen a phenomenal growth in the last decade which has resulted in a variety of educational needs of students opting for higher education. According to a recent survey conducted by Stanford University, US, the youth need such short and middle-term courses which not only provide immediate employment but also become the eligibility for better avenues. Keeping the above objective in mind the college has started the following courses:

Certificate/Diploma/Advanced Diploma Courses	Vocational Courses	Skill Development Courses
• Marketing • International Trade Management • Office Management and Secretarial Practice • Computer Maintenance • Computer Applications • Cosmetology • Functional English • Web Designing	• B.Sc-CAV • B.Com-CAV • B.Com-PPI • B.Com-ASPSM • B.Com-OMSP	• Tally • Personality Development • Medical Sales Representative • Fiber Optics • B.Voc. (Software Development) • B.Voc. (BPO)

1.2.2 Does the institution offer programmes that facilitate twinning/dual degree? If 'yes', give details.

Currently the college does not offer any such programme.

1.2.3 Give details on the various institutional provisions with reference to academic flexibility and how it has been helpful to students in terms of skills development, academic mobility, progression to higher studies and improved potential for employability. Issues may cover the following and beyond:

❖ **Range of Core / Elective options offered by the University and those opted by the college**

As per KUK rules, a BA student has academic flexibility to choose from various combinations as per his choice and career goals.

❖ **Choice Based Credit System and range of subject options**

&

❖ **Lateral and vertical mobility within and across programmes and courses**

B.Voc Skill Development Courses (Software Development & BPO) provide **lateral** and **vertical** mobility and also provide Credit Based Semester System.

❖ **Courses offered in modular form**

- B.Voc courses are designed following the Qualification Packs and National Occupational Standards (QPNOS) as laid down by NSDC.
- These courses contain 40% syllabus based on general component and 60% syllabus based on skill component. General component contains papers related to Communication Skills, Soft Skills, ICT Skills, Critical Thinking, Problem Solving, Environment Awareness or any other paper which supplements the skill component.

- These programs provide supplementary modular training programs so that a learner, irrespective of his/her training background, is made job ready with necessary work skills and fills the gap in the domain skills measured against QPs /NOS.

❖ **Credit transfer and accumulation facility**

- B.Vocational courses follow Credit Based Semester System and also provide for Credit Transfer across the courses. B.Voc courses provide credits for Theory, Practical and Project work and also provide multiple entry and exit points with the provision for horizontal and vertical mobility.
- The curriculum of these courses is designed keeping in view the needs of Software and BPO industry by having constant dialogue with academicians and industry experts.
- The training of skill part is provided by experts from the industry. On site visits is a regular feature of the course. Project development is also a part of the course which improves the potential of students for employability.

❖ **Enrichment courses**

The institution offers the following enrichment courses:

• Marketing • International Trade Management • Office Management and Secretarial Practice • Computer Maintenance • Computer Applications • Cosmetology	• Functional English • Web Designing • B.Voc. (Software Development) • B.Voc. (BPO) • B.Sc-CAV • B.Com-CAV • B.Com-PPI • B.Com-ASPSM • B.Com-OMSP	• Tally • Personality Development • Medical Sales Representative • Fiber Optics • B.Voc. (Software Development) • B.Voc. (BPO)

1.2.4 Does the institution offer self-financed programmes? If 'yes', list them and indicate how they differ from other programmes, with reference to admission, curriculum, fee structure, teacher qualification, salary etc.

Self-financed Programmes

S.No.	Level	Program	S.No	Program
01.	UG	BCA	09.	B.Com-PPI
02.	UG	BBA	10.	B.Com-ASPSM
03.	UG	B.Sc.(Hons)-IT	11.	B.Com-OMSP
04.	UG	B.Sc.-CAV	12.	BA(H) Pol. Sc.
05.	UG	B.Sc.-C.Sc.	13.	BA (H) Sanskrit
06.	UG	B.Sc.-Elect	14.	B.Sc.-Biotech
07.	UG	B.Com-CAV	15.	B.Voc – SD
08.	UG	B.Com-SF	16.	B.Voc –BPO
S.No.	Level	Program	S.No	Program
01.	PG	M.Com	05.	MA-Eco
02.	PG	M.Sc.-Applied Physics	06.	MA Mass Com.
03.	PG	MSc- Maths	07.	PGDCA
04.	PG	M.Com-IT		

All the above self-financed programmes are run as per the guidelines of KUK. These guidelines clearly specify the admission, curriculum, fee structure, teacher qualification, salary etc. The regular programmes run by the college receive 95% Grant-in-Aid from the Haryana State Government. These programs differ from the conventional grant-in-aid courses on various parameters as follows:

- **Curriculum**
  These programmes are specially designed keeping in mind the needs of society and industry. The curriculum is well-charted and designed to meet the requirements of the competitive scenario. ICT is an integral part of the curriculum for all these courses.

- **Admission Procedure**
  Admission criteria are the same as for grant-in-aid courses. Selection is through merit for all the courses. All the rules regarding admission prescribed by UGC/State Government/University are followed.

- **Fee structure**
  For all self-financed courses, the fee structure is designed by the affiliating University and approved by the Government of Haryana.

- **Teachers' Qualifications and Salary**
  Teachers are appointed on regular/contractual basis as per UGC/ State Government/ University guidelines and norms.

1.2.5 Does the college provide additional skill oriented programmes, relevant to regional and global employment markets? If 'yes' provide details of such programme and the beneficiaries.

Global employability challenges have resulted in the upcoming of a variety of skill oriented programmes, relevant to regional and global employment markets. Keeping this need in mind, the institution has started the following programs which are proving to be of immense benefit to the students:

Program**: Tally ~** Beneficiaries**: All Commerce Students ~** Duration**:40 days**

It is the Flagship Program of Accounting Software with an exponential growth in demand. Tally experts are in huge demand in the employability market. It is considered to be the best ERP and accounting software.

Program**: Personality Development ~** Beneficiaries**: All faculties ~** Duration**: 03 Months**

A 12 Module based Basic Course focusing primarily on Employability Skills. Modules include: Effective Communication, Time Management, Interview Skills, Inter-Personal Skills, and Leadership Skills & Creativity.

Program**: Medical Sales Representative ~** Beneficiaries**: Students of B.Sc.-III ~** Duration**: 60 Days**

The Pharmaceutical Industry is considered to be the evergreen sector of the corporate world. Medical Sales Representatives with excellent communication and analytical skills are always in high demand.

Program**: M.Com-IT ~** Beneficiaries**: All Commerce Students ~**

Duration**: 02 Years**

M.Com-IT is an innovative Course which combines commerce with Information Technology. It has been designed specifically keeping in mind the requirements of the employability needs of the companies which are now totally dependent on software based accounting methods.

Program**: B. Voc (Software Dev.) ~** Beneficiaries**: Students from all streams ~** Duration**: 03 Years**

Software development is the process of computer programming, documenting, testing, and bug fixing; involved in creating and maintaining applications and frameworks resulting in a software product. Software Industry is growing at a phenomenal rate opening tons of job avenues for young graduates and post graduates. To provide vocationally trained skilled workforce to IT industry, the college has started three year under graduate degree program B.Voc (Software Development) under the UGC scheme of **DDU Kaushal Kendra** with multiple exit points such as diploma/advanced diploma/degree. This program prepares student for at least one job role identified by IT Sector Skill Council at each exit point.

Program**: B. Voc (B.P.O) ~** Beneficiaries**: Students from all streams ~** Duration**: 03 Years**

Business Process Outsourcing (BPO) is a subset of outsourcing that involves the contracting of the operations and responsibilities of a specific business process to a third-party service provider. In India, Business Process Outsourcing (BPO) is the fastest growing segment of the ITES (Information Technology Enabled Services) industry. It has a very high employability potential.

Program**: Fiber Optics ~** Beneficiaries**: Science Students~**
Duration**: 30 Days**

As optical fiber is the backbone of communication system so this certification is based on an extensive knowledge of fiber optics technology and application as well as demonstrated skills in appropriate tasks. Candidates with this certification can work in the industry as contractors, installers, technicians, network designers etc. It provides vast and hands-on practical knowledge of fiber optic components such as cables, patchcords, active devices and communication systems etc.

Program**: Add on Course in Web Designing (Certificate, Diploma & Advanced Diploma Options) ~** Beneficiaries**: Students from all streams~**
Duration**: 3 Years**

Web Designing encompasses many different skills and disciplines in the production and maintenance of websites. The different areas of web design include web graphic design; interface design; authoring, including standardized code and proprietary software; user experience design; and search engine optimization. The term web design is normally used to describe the design process relating to the front-end (client side) design of a website including writing mark up. Students can choose the relevant time-duration according to their choice.

Program**- Cosmetology;** Beneficiaries**- All girl students;** Duration**- 1 Year**

With increase in awareness about grooming industry and a raise in demand for cosmetic services, the course offers excellent entrepreneurial opportunities for the students, especially girls. The college offers state-of-the art facility with a well equipped cosmetology lab and expert faculty.

1.2.6 Does the University provide for the flexibility of combining the conventional face-to-face and Distance Modes of Education for students to choose the courses/combination of their choice" If 'yes', how does the institution take advantage of such provision for the benefit of students?

Currently the University does not offer the facility of combining the conventional face-to-face and Distance Mode of Education.

1.3 Curriculum Enrichment

1.3.1 Describe the efforts made by the institution to supplement the University's Curriculum to ensure that the academic programmes and Institution's goals and objectives are integrated?

The goals and objectives of the institution aim at a holistic development of the students' personality. It is our constant endeavor to see each and every student well-placed professionally. The present curriculum of the University, at times, tends to be either too technical or merely theoretical. This trend leads to a stunted development of the humane side of the students' personality and ill-prepares them for the employability market. To bridge the gap, the following measures are taken up by the institution:

- Extension lectures by experts
- Placement Drives
- Career Guidance
- Training Sessions on Personality Development
- Visit to Industries
- Field Work/Surveys for Project Work
- Organization of Exhibitions/ Camps/ Academic Contests/ Workshops on Hard and Soft Skills
- Participation in Seminars
- Subject related Posters/Charts displayed in labs.
- Language Lab for improvement of Communication Skills
- Mass Comm. Lab.
- Maths Lab for Practical Training
- Exhibitions & Competitions organized by subject associations.
- Use of ICT for a more conducive teaching-learning environment

1.3.2 What are the efforts made by the institution to enrich and organize the curriculum to enhance the experiences of the students so as to cope with the needs of the dynamic employment market?

Efforts made by the institution to enrich and organize the curriculum to enhance the experiences of the students so as to cope with the needs of the dynamic employment market can be broadly classified as follows:

- Workshops/Hands-on-Training for Students
- Industrial & Field Visits
- Extension/Guest Lectures
- Communication Skills/PDPs
- Add-on Courses

Details of the above have already been provided in 1.1.5 above.

1.3.3 Enumerate the efforts made by the institution to integrate the cross cutting issues such as Gender, Climate Change,Environmental Education, Human Rights, ICT etc., into the curriculum?

The following initiatives by the institution take care of the above issues:

Gender Based

- The institution has a pro-active and efficient Women-Cell which sensitizes the students on Gender-Issues and regularly organizes programmes based on women and social issues such as street plays, lectures, poster-making etc.

Environment Education & Climate Change Issues

- The college has an active Environment Awareness Club which motivates the students to be eco-friendly; organizes activities to sensitize them about the environment and conducts other similar programmes including Tree Plantation Drives, *Nukkad Natakas,* Best out of Waste etc.
- Zero-Water Wastage Campus
- Green Campus Drive
- Clean Campus Drive
- Say No to Plastic Campaign in collaboration with NGOs like Rotary Club.

Human Rights

- The college has been organizing workshops and seminars and Certificate Courses under the scheme of Human Rights Education both for the students and the staff over the years. An amount of Rs. 2, 11,037/- has been spent on this till date. The Legal Literacy Cell of the college is actively engaged in creating legal awareness among students.

Use of ICT

- ICT is one of the thrust areas of the institution. Teachers are motivated to make use of latest ICT tools to impart education. The college has a fully Wi-Fi campus, Audio-Visual Rooms and Seminar Halls with latest ICT equipment and a Language Lab for Soft-Skills Development and Compulsory Computer Education is included in the curriculum.

Social Issues

- Observance of Days like: Voters' Day, International Women's Day, Sadbhawna Diwas, EktaDiwas, Gandhi Jayanti, International Youth Day, Independence & Republic Day.
- Awareness Rallies for campaigns like Beti Bachao; Beti Padhao, Swachh Bharat Abhiyan etc.

1.3.4 What are the various value-added courses/enrichment programmes offered to ensure holistic development of students?

The college ensures that value-added courses/enrichment programmes are inculcated in the Annual Calendar of events to ensure holistic development of students. Some of the events conducted in this area are as follows:

Moral and Ethical Values

- The moral and ethical aspect is taken care of in the PDPs conducted for students.

- Certificate Course under the scheme of Human Rights Education for students.
- Seminars conducted by the Sanskrit Dept. lay special emphasis on concepts like Gross Happiness Index, Human Behaviour, Issues of Mind-Body & Consciousness.
- Vedic classes for all the stakeholders were organized by the Sanskrit Dept.
- Rallies on issues like AIDS Awareness, Environment Awareness, and Female Foeticide are organized regularly.
- Street Plays on various social issues are enacted in the campus.

Employability and Life Skills

- The CGC and the Placement Cell of the college regularly conducts programmes on employability skills and life-skills.
- The institution has started a number of skill-based short-term and full-term courses to enhance the employability skills of students. These are as follows:

S.No.	Program	Beneficiaries
1.	Tally	All Commerce Students
2.	Personality Development	Students from all faculties
3.	Medical Sales Representative	Students of B.Sc.-III
4.	M.Com-IT	All Commerce Students
5.	B. Voc (Software Dev.)	Students from all streams
6.	B. Voc (BPO)	Students from all streams
7.	Fiber Optics	Science Students
8.	Web-Designing	All Students

Better Career Options

- Regular seminars are organized by the CGC and the Placement Cell of the college. This year they organized 09 seminars and 06 workshops and training programs.
- The college conducts regular off-campus and on-campus Placement Drives. In the last four years more than 400 students have been placed in various companies of repute.
- The students are exposed to career opportunities and the corporate sector by arranging visits to the Industry and Career Fairs.
- The college library has a rich collection of books on career guidance and opportunities.

Community Orientation

Community Orientation is ensured through the following:

- **Three functional Units of National Service Scheme (NSS)**

- The NSS Units of the college play a pioneer role in sensitizing, orienting and motivating the students towards various social causes. A number of diversified activities are carried out throughout the session in the form of rallies, contests, quizzes, orientation programs etc to ensure community orientation.

- **Youth Red Cross Society**

- The college has a functional Youth Red Cross Unit which is affiliated to the District Red Cross Society.
- The Unit undertakes various pilot projects like First Aid Training to the Students, aiding voluntary Blood Donation Camps.

- **Equal Opportunity Centre**

  The Equal Opportunity Centre of the college was opened in 2010 as per the guidelines of the UGC. Currently, the institution is under the process of streamlining its working. It organizes various programs to create awareness on issues like equality on the basis of gender, economy, class etc. It also organizes various programs in collaboration with the Women Cell and other associations.

1.3.5 Citing a few examples enumerate on the extent of use of the feedback from stakeholders in enriching the curriculum?

The feedback pertaining to curriculum, obtained from the stakeholders is shared with those Faculty Members who are members of the various Common Syllabi Committees of the University. This is how stakeholder feedback becomes instrumental in curriculum enrichment/modification as per stakeholders' needs.

- The teacher in a formal and informal manner takes suggestions from the students regarding the curriculum.

- Discussions are also done with the industry experts and University professors during meetings, seminars and conferences. Such valuable inputs are shared with the members of the University Common Syllabi Committee. For example the curriculum of B.Voc Software development, BPO and M.Com IT was set after taking the feedback from the industry experts, University professors and stakeholders and necessary changes were made before finalizing the syllabus.

1.3.6 How does the institution monitor and evaluate the quality of its enrichment programmes?

- The Advisory Committee, Planning Board and the IQAC of the college review and monitor the quality of its enrichment programs.

- The mid-term and end-term student feedback is helpful in giving valuable inputs regarding the quality of enrichment programs which helps in further improvement and subsequent needs assessment.

1.4 Feedback System

1.4.1 What are the contributions of the institution in the design and

development of the curriculum prepared by the University?

Many of our Faculty Members are members of the UG and PG Boards of Studies which are the University Bodies for designing the syllabi. Besides, syllabi for the following courses are exclusively designed by the Faculty of our Institution:

- B. Voc (Software Dev.)
- B. Voc (BPO)
- BA (Office Mgmt.)
- M.Com-IT (Innovative Course)
- Certificate Courses

1.4.2 Is there a formal mechanism to obtain feedback from students and stakeholders on Curriculum? If 'yes', how is it communicated to the University and made use internally for curriculum enrichment and introducing changes/new programmes?

- The feedback pertaining to curriculum, obtained from the stakeholders is shared with those Faculty Members who are members of the University Common Syllabi Committee. This is how stakeholder feedback becomes instrumental in curriculum enrichment/modification as per stakeholders' needs.
- Although the college offers need-based enrichment programmes, the faculty takes care of enriching and supplementing those parts of the syllabi that have become obsolete with latest resources and knowledge.
- Feedback from the members of the society and the industry is sought during IQAC meetings, which helps in introducing changes to the existing curriculum.
- Informal feedback is obtained from the students by the teachers during their regular classes, which is conveyed to the Departmental Heads during the meetings of the Advisory Council.

1.4.3 How many new programmes/courses were introduced by the institution during the last four years? What was the rationale for introducing new courses/programmes?

The institution introduced 08 new courses in the last four years based on the following rationale:

- The institution strives to keep track of the changes taking place in the day-to-day requirements of the employers in the Global Market.
- It also takes into consideration the development of new courses by the UGC.
- Based on changes in trends in the market and Higher Education Regulatory Authorities, the institution decides to start new courses.
- The institution also takes into consideration the feedback received from various stakeholders including students, alumni and the experts from the

industry.

S No	Program	Rationale for Introduction	Beneficiaries
1.	**Tally**	It is the Flagship Program of Accounting Software with an exponential growth in demand. Tally experts are in huge demand in the employability market. It is considered to be the best ERP and accounting software.	**All Commerce Students**
2.	**Personality Development**	A 12 Module based Basic Course focusing primarily on Employability Skills. Modules include: Effective Communication, Time Management, Interview Skills, Inter-Personal Skills, Leadership Skills & Creativity.	**Students from all faculties**
3.	**Medical Sales Representative**	The Pharmaceutical Industry is considered to be the evergreen sector of the corporate world. Medical Sales Representatives with excellent communication and analytical skills are always in high demand.	**Students of B.Sc.-III**
4.	**M.Com-IT**	M.Com-IT is an innovative Course which combines commerce with Information Technology. It has been designed specifically keeping in mind the employability needs of the companies which are now totally dependent on software based accounting methods.	**All Commerce Students**
5.	**B. Voc (Software Dev.)**	Software development is the process of computer programming, documenting, testing, and bug fixing involved in creating and maintaining applications and frameworks resulting in a software product. There is no human activity today that does not involve the use of some kind of software. Software Industry is growing at a phenomenal rate opening numerous job avenues for young graduates and post graduates. To provide vocationally trained skilled	**Students from all streams**

		workforce to IT industry, the college has started three year under graduate degree program B.Voc (Software Development) under the UGC scheme of DDU Kaushal Kendra with multiple exit points such as diploma/advanced diploma/degree. This program prepares student for at least one job role identified by IT / ITES Sector Skill Council at each exit point.	
6.	**B. Voc (BPO)**	Business Process Outsourcing (BPO) is a subset of outsourcing that involves the contracting of the operations and responsibilities of a specific business process to a third-party service provider. In India, Business Process Outsourcing (BPO) is the fastest growing segment of the ITES (Information Technology Enabled Services) industry. It has a very high employability potential.	**Students from all streams**
7.	**Fiber Optics**	Optical fiber is the backbone of communication system. This certification is based on an extensive knowledge of fiber optics technology and applications as well as demonstrated skills in appropriate tasks. Candidate with this certification can work in the industry as contractors, installers, technicians, network designers etc. It provides vast and hands-on practical knowledge of fiber optic components such as cables, patchcords, active devices and communication systems etc.	**Science Students**

8.	**Add-on Course in Web Designing**	Web Designing encompasses different skills and disciplines in the production and maintenance of websites. The different areas of web design include web graphic design; interface design; authoring, including standardized code and proprietary software; user experience design; and search engine optimization. The term web design is normally used to describe the design process related to the front-end (client side) design of a website including writing mark up.	**All Students**

Any other relevant information regarding curricular aspects which the college would like to include:

- 09 Postgraduate programmes in Arts, Science and Commerce Streams
- 38 Subject Combinations in BA General Course
- 09 Undergraduate Courses in the Science Stream
- 06 Undergraduate Courses in Commerce Stream
- Excellent opportunity to pursue 15 Skill-Based, Vocational, Add-On and Innovative Programs ensuring employability.
- Highly innovative teaching methodologies based on ICT
- Stress on Field Work/ Practical Training/ Projects/ Company Visits and Hands-on Experience.
- All laboratories, equipped with latest quality equipment are regularly upgraded and calibrated to meet stringent quality standards.
- Regular participation of the faculty in various FDPs/ Training Programmes/ Seminars/ Conferences/ Workshops/ Symposia/ Refresher and Orientation programmes.
- Regular Extension/ Guest lectures by experts and eminent faculty members from Universities and Research Institutes.
- High-end Audio-Visual aids and projection systems for adequate support to ICT based Teaching-Learning process.
- Spoken Tutorials and e-resources for 24x7 personalized knowledge upgradation.

CRITERION II
TEACHING - LEARNING AND EVALUATION

2.1 Student Enrollment and Profile

2.1.1 How does the college ensure publicity and transparency in the admission process?

Publicity of the Admission Process:

- The College Prospectus contains complete details of each and every aspect of the Admission Process related to students, parents/guardians and the general public.
- Wide publicity is accorded by placing advertisements in both Regional and National Newspapers.
- Admission Notices are displayed on the College Website which includes:
    - Course wise Eligibility Criteria
    - Details of the Course
    - Availability of Seats
    - Subject Combinations Available
    - Scholarship Details
- Through Posters displayed in the Campus.

Transparency in the Admission Process:

- The entire admission process is transparent and merit-based.
- The college scrupulously follows the Admission Schedule provided by the University.
- Applications are invited within a given period as specified by the University.
- Merit lists are drawn as per KUK guidelines keeping in view the Reservation Policy of the state. They are displayed at various strategic locations in the campus.
- Once the Merit Lists are drawn, eligible students are intimated through SMS Alerts about their rankings in order to facilitate their admission.
- Merit Lists are also uploaded on the College Web site.

  The entire admission process is in Public Domain.
- Online Admission Process

  Following current International norms and standards of net-based working ethos and paperless working to save the environment, the institution has started Online Admission Process from the session 2016-17 which is done through the College Information Management System (CIMS). This ensures complete accuracy, reliability and transparency.

2.1.2 Explain in detail the criteria adopted and process of admission (Ex. (i) merit (ii) common admission test conducted by state agencies and national agencies (iii) combination of merit and entrance test or merit, entrance test and interview (iv) any other) to various programmes of the Institution.

Admission to all the academic programmes offered by the institution is strictly done as per KUK guidelines. Currently, all admissions are merit-based. There is no Entrance Test or Interview for any course.

A student seeking admission to the institution goes through the following admission process:

- Interaction with the Guidance & Counseling Committee.
- Checking of documents by the Admission Committee
- Interaction with the Screening Committee
- Approval by the Principal

To make the process transparent, the institution:

- Displays all Merit Lists prominently on Notice Boards
- Uploads the Merit Lists on the College Website
- Sends individual SMS to students who have been selected for admission.

2.1.3 Give the minimum and maximum percentage of marks for admission at entry level for each of the programmes offered by the college and provide a comparison with other colleges of the affiliating university within the city/district.

The minimum and maximum percentage of marks for admission at entry level for each of the programmes offered by the college is given below. Since there is no centralized admission process, comparison with other colleges is not possible.

Session: 2016-17

Sr.No	Prog. Level	Name of the Program	Minimum Marks	Maximum Marks
1.	UG	B.C.A	50.00	84.20
2.	UG	B.B.A	46.40	83.00
3.	UG	B.Sc.IT-Hons	52.60	87.20
4.	UG	B.Sc. CAV	62.60	87.00
5.	UG	B.Sc. C.Sc.	53.00	92.00
6.	UG	B.Sc. Elect	49.20	85.00
7.	UG	B.Com CAV	48.20	91.60
8.	UG	B.Com Gen	56.60	93.40
9.	UG	B.Com PPI	46.40	82.00
10.	UG	B.Com ASPSM	49.20	88.00
11.	UG	B.Com OMSP	48.20	77.80

12.	UG	B.A. Gen	50.00	85.80
13.	UG	B.A. (Hons) Eng	53.80	91.00
14.	UG	B.A. (Hons) Pol. Sc.	59.00	90.60
15.	UG	B.A. (Hons) Sanskrit	57.00	71.20
16.	UG	B.Sc. Non Med	68.40	91.80
17.	UG	B.Sc. Med	55.00	93.80
18.	UG	B.Sc. Bio-tech	52.20	91.00
19.	UG	B.Sc. H.Sc.	44.80	94.20
20.	UG	B.Voc Software Dev.	47.80	85.20
21.	UG	B.Voc BPO	56.60	74.80
Sr.No.	**Prog. Level**	**Name of the Program**	**Minimum Marks**	**Maximum Marks**
1.	PG	M.A. English	59.59	74.29
2.	PG	M.Com	51.53	77.00
3.	PG	M.Sc. Applied Physics	56.52	78.59
4.	PG	M.Sc. Mathematics	47.79	83.24
5.	PG	M.A. Hindi	45.00	50.25
6.	PG	M.A. Economics	59.40	71.00
7.	PG	M.A. Mass Comm.	58.69	60.00
8.	PG	PGDCA	49.33	63.88
9.	PG	M.Com.IT	50.00	71.1

2.1.4 Is there a mechanism in the institution to review the admission process and student profiles annually? If 'yes' what is the outcome of such an effort and how has it contributed to the improvement of the process?

Yes, the admission process and student profiles are reviewed every year, immediately after the admission process is over. Conveners of all admission committees meet the Principal before and after the admission process to analyze and review the admission process trends and take necessary steps accordingly. Admission is based purely on merit. Yearly changes made by KUK are taken into account.

Review of Admission Process:

- Reservation policy is reviewed every year.
- Student feedback is taken in the midterm as well as at the time of convocation to review the admission process.
- Future benchmarks are set after reviewing the admission process of a particular session.

Outcome:

- After taking into consideration the suggestions of review committee & student feedbacks to reduce the paper work and manual errors while filling the admission forms, the college has started the online admission process w.e.f session 2016-17.
- Following new courses have been started as outcome of the suggestions, based on reviews of latest trends and demand of courses and skills:

- M.Com IT in the session 2012-13
- B.Voc (Software Development) in the session 2015-16
- B.Voc (BPO) in the session 2016-17
- Add on Course in Web Designing in the session 2012-13

Following skill oriented courses have been started to make students employable as per the requirements of the industry:

- Personality Development
- Certificate Course in Tally
- Fiber Optics

Following Programs have been discontinued due to less demand:

- B.Com TTM

Review of Student Profile

- Student Profile and Quality is regularly monitored by the tutors of the classes through CIMS.
- The online admission process has tremendously helped the administration to generate timely, accurate reports of profiles of freshers which leads to identification of slow and advanced learners.
- Department wise remedial coaching for needy and slow learners are planned as well as additional benefits are planned for advanced learners in the beginning of the session.
- CIMS contains features to upload attendance, assignment score, class test awards, internal assessments, university results etc. which helps tutors, HOD's and the Principal to review the progression of students at any point of time to plan academic enhancement activities.

2.1.5 Reflecting on the strategies adopted to increase/improve access for following categories of students, enumerate on how the admission policy of the institution and its student profiles demonstrate/reflect the National commitment to diversity and inclusion of SC/ST, OBC, Women, Differently- abled, Economically weaker sections, Minority community, Any other.

The college admits the above categories of students as per the reservation policy of the State Government. Over the years, there has been a considerable enhancement in the number of students admitted to the above categories. Category-wise commitment to diversity and inclusion is as follows:

SC/ST/OBC/ Economically Backward Persons

- As per the State Government rules, following Reservation Policy is implemented for admission:

Category	% Reservation
SC/ST	20
OBC	27
Economically Backward Persons of General Category	10
Differently-abled	03

- To ease financial constraints, scholarships are provided by the State Govt. and the College.
- Books are issued to students from economically weaker sections from the Book Bank.
- Remedial coaching is provided to slow learners.
- Fee concessions are given to needy students.

Women

- Tuition fee is waived off for girls.
- Private Scholarship is given to only girl child.
- The college provides a secure and disciplined environment which encourages girl students to take admission. This is evident from the fact that in the session 2015-16, the student strength of girls was 51%.

Differently-abled Persons

- College has a disabled friendly campus.
- Ramps have been constructed.
- Scholarships and Fee Concessions are provided by the college.
- College has a sister concern (SD Institute for the Blind) to cater to the needs of blind students.
- Motivational lectures are organized to encourage differently-abled students to keep them at par with other students.

Sports

- Students with excellent sports record are given preference in admission.
- Fee concessions are provided to them.

Table Reflecting Diversity of Students

Categories	Year 1 (2012-13)		Year 2 (2013-14)		Year 3 (2014-15)		Year 4 (2015-16)	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	112	109	131	121	145	145	188	151
ST	02	00	03	00	00	00	01	01
OBC	107	123	96	103	86	87	70	50
General	944	1299	957	1261	1001	1240	1164	1284

2.1.6 Provide the following details for various programmes offered by the institution during the last four years and comment on the trends. i.e. reasons for increase/decrease and actions initiated for improvement.

Program	Details	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017
B. Voc. (Software Dev.)	Applications Received	NA	NA	NA	53	61
	Students Admitted	NA	NA	NA	28	34
	Demand Ratio	**NA**	**NA**	**NA**	**1:1**	**1:1**
B. Voc. (B.P.O.)	Applications Received	NA	NA	NA	NA	26
	Students Admitted	NA	NA	NA	NA	13
	Demand Ratio	**NA**	**NA**	**NA**	**NA**	**1:1**

B.A. Hons. (Eng.)	Applications Received	52	34	35	41	44
	Students Admitted	22	12	13	16	28
	Demand Ratio	**1:1**	**1:1**	**1:1**	**1:1**	**1:1**
B.A. Hons. (Pol. Sc.)	Applications Received	15	21	20	22	23
	Students Admitted	04	11	15	14	11
	Demand Ratio	**1:1**	**1:1**	**1:1**	**1:1**	**1:1**
B.A. Hons. (Skt.)	Applications Received	NA	NA	NA	08	06
	Students Admitted	NA	NA	NA	04	05
	Demand Ratio	**NA**	**NA**	**NA**	**1:1**	**1:1**
B.B.A.	Applications Received	74	76	91	90	85
	Students Admitted	53	42	51	45	50
	Demand Ratio	**1:1**	**1:1**	**1:1**	**1:1**	**1:1**
B.C.A.	Applications Received	110	96	111	85	94
	Students Admitted	49	58	60	41	58
	Demand Ratio	**1:1**	**1:1**	**1:1**	**1:1**	**1:1**
B.A. (General)	Applications Received	334	367	446	423	409
	Students Admitted	166	150	223	216	234
	Demand Ratio	**1:1**	**1:1**	**1:1**	**1:1**	**1:1**
B.Com. (General)	Applications Received	257	243	223	229	241
	Students Admitted	86	80	75	74	79
	Demand Ratio	**1:2.9**	**1:3.0**	**1:2.9**	**1:3.0**	**1:3.0**
B.Com. (General) SF	Applications Received	97	102	110	122	134
	Students Admitted	85	81	82	82	84
	Demand Ratio	**1:1.1**	**1:1.2**	**1:1.3**	**1:1.4**	**1:1.5**
B.Com. ASPSM	Applications Received	76	70	68	65	62
	Students Admitted	35	42	39	32	36
	Demand Ratio	**1:2.1**	**1:1.6**	**1:1.7**	**1:2.0**	**1:1.7**
B.Com. PPI	Applications Received	58	43	52	42	36
	Students Admitted	35	14	32	26	24
	Demand Ratio	**1:1.6**	**1:1**	**1:1.6**	**1:1**	**1:1**
B.Com. OMSP	Applications Received	66	54	57	51	48
	Students Admitted	36	36	33	33	35
	Demand Ratio	**1:1.8**	**1:1.5**	**1:1.7**	**1:1.5**	**1:1.3**
B.Com. Comp. App. (V)	Applications Received	96	92	86	81	85
	Students Admitted	42	37	40	40	42
	Demand Ratio	**1:2.2**	**1:2.4**	**1:2.1**	**1:2.0**	**1:2.0**
B.Sc. Bio-Tech	Applications Received	14	28	24	22	24
	Students Admitted	09	16	07	20	18
	Demand Ratio	**1:1**	**1:1**	**1:1**	**1:1**	**1:1**
B.Sc. Comp. App. (Voc)	Applications Received	20	19	17	21	18
	Students Admitted	11	15	13	10	14
	Demand Ratio	**1:1**	**1:1.2**	**1:1**	**1:1**	**1:1**
B.Sc. Comp. Sc.	Applications Received	51	54	66	61	64
	Students Admitted	24	39	33	24	42
	Demand Ratio	**1:1**	**1:1.3**	**1:2.0**	**1:1**	**1:1.5**

B.Sc. Electronics	Applications Received	42	46	41	40	39
	Students Admitted	31	39	31	25	28
	Demand Ratio	**1:1.3**	**1:1.1**	**1:1.3**	**1:1**	**1:1**
B.Sc. Home. Sc.	Applications Received	21	--	19	15	30
	Students Admitted	13	--	10	08	26
	Demand Ratio	**1:1**	**--**	**1:1**	**1:1**	**1:1**
B.Sc. (IT)	Applications Received	83	86	73	68	76
	Students Admitted	38	41	39	34	44
	Demand Ratio	**1:2.1**	**1:2.0**	**1:1.8**	**1:2.0**	**1:1.7**
B.Sc. Non-Med	Applications Received	195	203	184	214	229
	Students Admitted	118	111	118	113	122
	Demand Ratio	**1:1.6**	**1:1.8**	**1:1.5**	**1:1.8**	**1:1.8**
B.Sc. Medical	Applications Received	43	51	57	72	81
	Students Admitted	15	29	29	40	49
	Demand Ratio	**1:1**	**1:1**	**1:1**	**1:1.8**	**1:1.6**
M.A. Economics	Applications Received	27	15	15	12	08
	Students Admitted	18	10	07	09	05
	Demand Ratio	**1:1**	**1:1**	**1:1**	**1:1**	**1:1**
M.A. (English)	Applications Received	28	24	23	19	16
	Students Admitted	22	11	14	14	09
	Demand Ratio	**1:1**	**1:1**	**1:1**	**1:1**	**1:1**
M.A. (Hindi)	Applications Received	16	12	10	09	03
	Students Admitted	15	09	02	06	02
	Demand Ratio	**1:1**	**1:1**	**1:1**	**1:1**	**1:1**
M.A. Mass Comm.	Applications Received	11	07	06	09	05
	Students Admitted	10	02	05	09	02
	Demand Ratio	**1:1**	**1:1**	**1:1**	**1:1**	**1:1**
M.Com.	Applications Received	52	56	61	67	43
	Students Admitted	39	35	34	47	30
	Demand Ratio	**1:1**	**1:1**	**1:1**	**1:1.4**	**1:1**
M.Com. IT	Applications Received	18	22	19	23	11
	Students Admitted	13	17	15	19	05
	Demand Ratio	**1:1**	**1:1**	**1:1**	**1:1**	**1:1**
M.Sc. Applied Physics	Applications Received	96	102	114	117	124
	Students Admitted	48	46	45	43	42
	Demand Ratio	**1:2.0**	**1:2.2**	**1:2.5**	**1:2.7**	**1:2.9**
M.Sc. Maths	Applications Received	86	112	98	122	106
	Students Admitted	37	36	34	44	38
	Demand Ratio	**1:2.3**	**1:3.1**	**1:2.8**	**1:2.7**	**1:2.7**
PGDCA	Applications Received	17	21	15	14	09
	Students Admitted	12	16	09	06	08
	Demand Ratio	**1:1**	**1:1**	**1:1**	**1:1**	**1:1**

Admission Trends:

- The demand for Honours Courses remains constant but a few seats remain unfilled. Demand for English Hons has increased during 2016-17.
- Demand is constantly high for Commerce, Computer and IT Courses like B.Com General and allied branches, B.Sc. Electronics, Computer Sc. and IT.
- There is continuous downtrend in PG Courses like M.A English, Hindi, Economics, Mass Communication and PGDCA.
- M.Com & M.Com (IT) Courses have shown sudden downward trend in 2016-17.
- Demand for M.Sc. Maths and M.Sc. Applied Physics is very high.

Remedial Measures:

- The institution continuously monitors the admission trends. In 2011-12, it discontinued B.Com (TTM) Course due to its decreased popularity.
- Despite decreased admission trend in some of the courses detailed above, courses are not discontinued for various other reasons.

2.2 Catering to Student Diversity

2.2.1 How does the institution cater to the needs of differently- abled students and ensure adherence to government policies in this regard?

- There is provision of reservation of seats for the differently abled students.
- The college ensures that classes for such students are held on the ground-floor.
- Ramp Facility for such students who are not able to climb stairs.
- The institution provides 'writers' for visually handicapped students in the University Examination.
- The college has a sister concern, "S.D. Institute for the Blind" which is a residential institute with all modern amenities.

2.2.2 Does the institution assess the students' needs in terms of knowledge and skills before the commencement of the program? If 'yes', give details on the process.

- Students are admitted on the basis of their eligibility as prescribed by the affiliating University. This eligibility is based on marks scored in the lower examination.
- Prior to admission, one-to-one counseling is carried out by the Counseling Committee which comprises of senior faculty members.
- Immediately after admission, a re-assessment of students' needs is carried out by individual teachers in the classes and accordingly the institution allows (i) Subject Change and (ii) Faculty Change.
- The College Website hosts testimonials of pass-out students which provides

feedback and helps in assessing the knowledge and skills demands of students for helping the juniors in taking a decision.

- Every department assigns a tutor to maintain the profile of the students through CIMS to monitor their academic and soft skills gaps and progress. On the basis of their academic and personal record they are categorized as follows. Thereafter suitable remedial means like extra classes, tutorials and counseling sessions are organized to cater to the needs of these special categories:

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S. No	Category	Percentage
1.	Advanced Learners	12.7%
2.	Slow Learners	10%
3.	Reserved Categories	37%
4.	Female Student	51%
5.	Rural Students	35%
6.	Urban Students	65%
7.	Differently-abled	0.001%

2.2.3 What are the strategies adopted by the institution to bridge the knowledge gap of the enrolled students (Bridge/Remedial/ Add-on/Enrichment Courses, etc.) to enable them to cope with the programme of their choice?

On the basis of the categories of students identified at the beginning of the session, different courses are run to bridge the knowledge gap of enrolled students:

- Special classes on communication and personality development are arranged for students who come from rural background and are weak in communication skills.
- College offers various add on courses to enhance their professional competencies as per the needs of industry.
- Remedial coaching classes are arranged for academically weaker students.
- Extra classes are arranged for students who participate in sports.
- Motivational lectures are arranged for differently-abled students.
- Workshops, guest lectures, training programs, industrial visits, extension lectures and skill oriented courses are conducted throughout the session to enrich their technical and soft skills.
- Books are issued to economically weaker section from the Book Bank.
- Spoken Tutorials and other e-resources are provided in the central as well as in the departmental libraries to encourage self learning.
- Special emphasis is given to such students by the concerned teacher through one-to-one interaction.

Courses Run to Bridge the Knowledge Gap

- Spoken English

- Marketing
- International Trade Management
- Office Management and Secretarial Practice
- Computer Maintenance
- Computer Applications
- Web Designing
- Cosmetology
- Functional English
- Personality Development & Soft Skills
- Human Rights Education
- Course in Tally
- Moral & Ethical Education
- Computational Sanskrit
- Medical Sales Representative
- Fiber Optics
- Java & Android Workshops

2.2.4 How does the college sensitize its staff and students on issues such as gender, inclusion, environment etc.?

The institution ensures that both staff and students are sensitized towards issues pertaining to gender, social inclusion, environment awareness etc. Staff members are also encouraged to participate in seminars, workshops etc. organized by academic and non-academic institutions and universities. Efforts are made to organize workshops, seminars, extension lectures and various activities to mobilize the staff and students. Some of these are as follows:

Gender Sensitization:

- The Women Cell and Legal Literacy Cell of the college are actively engaged in sensitizing the students about gender issues.

- Various Clubs & Associations of the college also organize Poster Making, Poetry Recitation, Debate, Declamation, Story Writing and Slogan Writing competitions to spread gender awareness.

- Hemoglobin Testing Camp is organized in the college for girl students by the Women Cell and many renowned gynecologists have been invited to provide medical counseling.

- Expert lectures on legal issues are organized by Women Cell and Legal Literacy Cell by inviting advocates. Some of these experts include: Advocate Sudesh Kumari from Kurukshetra (2011-12), Prof. Suman Gupta, Dept. of Law, KUK (2013-14), advocate Suraj Rashmi from Ambala (2014-15).

- Self defense workshop was organized in which more than 500 students participated.

- Nukkad Nataks (Street Plays) are staged regularly on issues like *Beti Bachao, Beti Padhao*; Domestic Violence; Eve Teasing, Dowry issues and Female Foeticide.

Social Inclusion:

- The college has been organizing workshops, seminars and certificate courses under the scheme of Human Rights Education both for the students and the staff over the years. An amount of Rs. 2, 11,037/- has been spent during the last four years. The Legal Literacy Cell of the college is actively engaged in creating legal awareness among students.

- Observance of Days like: Voters' Day, International Women's Day, Sadbhawna Diwas, Ekta Diwas, Gandhi Jayanti, International Youth Day, Independence & Republic Day.

- The NSS unit of the college conducts Socio-economic survey of the villages in and around the district.

- NSS volunteers are selected to represent the college in the National Integration Camps every year
.
- Literacy camps and drives are conducted in various villages and slum areas.

- Various competitions are organized to sensitize the students regarding social issues and social inclusion.

Environment Awareness:

- The college has an active Environment Awareness Club which motivates the students to be eco-friendly; conducts Tree Plantation Drives and organizes other activities like Nukkad Natakas, Best out of Waste etc. to sensitize them about the environment.
- Awareness Rallies for campaigns Swachh Bharat Abhiyan; Clean Earth, Green Earth etc.
- Zero-Water Wastage Campus
- Clean Campus Drive
- Green Campus Drive
- Say No to Plastic Campaign in collaboration with NGOs like Rotary Club
- NSS and NCC units of the college are also devoted to issues pertaining to environment awareness.

2.2.5 How does the institution identify and respond to special educational/learning needs of advanced learners?

- Advanced Learners are identified through CIMS and through personal contact in the class room by teachers and HODs.
- The college provides advanced level books in the college library based on the

curriculum as per the needs of the advanced learners.

- An innovative scheme by the name "Earn While You Learn (EWYL)" has been launched by the college, wherein the students can work part-time along with their academic pursuits.
- Regular Study Material in the shape of Notes, PPTs, Quiz, Question Banks is uploaded on CIMS for the students in general and advanced learners in particular wherein they can study and practice self-learning in the comfort of their home 24x7.
- Students are encouraged to take up Enrichment Courses.
- Research Journals are recommended for the advanced learners.
- Students are encouraged to take BSR Projects. In the last four years 91 BSR projects have been developed by the advanced learners of science faculty.
- Subject Associations involve the students in organizing Problem Solving Exercises/Quiz/Academic Competitions to challenge their intellectual faculty.
- Expert Lectures by eminent scholars and academicians are organized from time to time for advanced learners.
- Research oriented topics are suggested for Projects & Assignments to the advanced learners.
- Regular exhibitions are organized where students display their working models and explain their projects to the spectators.
- Students are motivated to participate in academic competitions organized by other institutions.
- Special training programs are conducted for advanced learners to enhance their hard skills.

2.2.6 How does the institute collect, analyze and use the data and information on the academic performance (through the programme duration) of the students at risk of drop out (students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc. who may discontinue their studies if some sort of support is not provided)?

The institution identifies students from the disadvantaged sections of the society including physically challenged, slow learners, economically weaker sections etc. through classroom interaction and CIMS and thereafter it endeavors to provide the following support systems so that they do not discontinue their studies:

- Financial Assistance available from DGHE is processed and disbursed as per the needs of the above category of students
- A number of private scholarships available with the college are made available specifically to those students who are at the risk of dropout due to financial reasons
- The college provides attractive fee concession like Part Payment facility, Full-fee and Half-fee concession to such students to motivate them to continue their studies.

- Since textbooks and supporting study material in print form is quite expensive, the institution has a unique Book Bank Facility both for the meritorious students and those from the above category.
- The institution follows the Student-Tutor Mechanism in a number of classes. The Tutor identifies the slow learners and provides them individual attention and one-to-one counseling to address the issue of drop out.
- Total 136 students have been disbursed scholarship worth Rs. 18,38,360 and 429 students have been provided with college concessions worth Rs. 7,17,625 in the session 2015-16.

Details of Scholarships

Session 2015-16		
Type of the Scholarship	**No.**	**Amt(Rs.)**
SC/ST	94	1352785
BC/OBC	51	118575
Private	50	127000
Alumni	78	160000
POSE	08	80000
Total	**136**	**1838360**
Session 2015-16		
Type of Concession	**No.**	**Amt (Rs.)**
EWC	05	19240
FFM	245	325645
HFC	23	24520
Sports	64	162740
FFC	68	72175
Special	06	48940
EWS	18	64365
Total	**429**	**717625**
Grand Total	**565**	**2555985**

2.3 Teaching-Learning Process

2.3.1 How does the college plan and organize the teaching, learning and evaluation schedules? (Academic calendar, teaching plan, evaluation blue print, etc.)

- The basic Academic Calendar is provided by the University. It is displayed well in advance on the college website and printed in the college prospectus.
- Thereafter, Teaching Schedules are planned by each department for odd and even semesters respectively in the departmental meetings.
- Ground Time-Table is prepared by a committee specially constituted for this purpose. Thereafter, the respective HODs prepare the Time Table of their department.
- The entire syllabus is unitized as per the month-wise availability of teaching days. The college provides a date-bound schedule for the submission of

Assignments.

- Class Tests are conducted in a phased and planned manner keeping in view the class-size and number of subjects being studied by each student. Evaluation of Class-Tests and Assignments is time-bound.
- The results are uploaded on CIMS where they can be freely accessed both by the students and the faculty.

2.3.2 How does IQAC contribute to improve the teaching – learning process?

The IQAC augments the teaching-learning process by providing suggestions to the authorities in the following areas:

- Development of Faculty by organizing Workshops/Seminars and FDPs.
- Up-gradation of teaching-learning infrastructural facilities
- Up-gradation of Library Resources in tandem with ICT based teaching-learning and Net Resources.
- Motivating teachers to use ICT as a teaching-learning tool.
- Organizing workshops on ICT.
- Taking regular feedback from all the stakeholders including students/alumni and teachers.

2.3.3 How is learning made more student-centric? Give details on the support structures and systems available for teachers to develop skills like interactive learning, collaborative learning and independent learning among the students?

The institution endeavors to motivate teachers to move away from the lecture method of teaching to interactive techniques involving active student participation. For this purpose, extension lectures on Presentation Skills and New Trends in Teaching-Learning Process are organized for the faculty:

Interactive Learning	Collaborative Learning	Independent Learning
Smart-Classrooms	Field Visits / Industrial Visits	Labs with latest ICT Facilities
Surveys	Activities of Subject Associations/Clubs	Providing latest equipment in labs.
Interactive Lectures	Training Sessions	Projects/Assignments
Role Plays	Workshops/Seminars	Free Wi-Fi Facility for students
Expert Lectures	Language Lab	Availability of Computers/Printers/Scanners
Movies & Documentaries	Mass Media Lab	BSR Projects
Departmental Fests	Special Software	Preparation of Charts/Models/PPTs

Extension Lectures	Rural Camps/Health Awareness Drives/Drives against Social-Evils	Availability of e-resources like INFLIBNET, E-Resources and MOU with Consortium for Educational Communication for e-resources
In-Basket Exercises	Subject Exhibitions	Spoken Tutorials
Group Discussions	Talent Show	Notes and Question Banks on CIMS
Brain Storming	Youth Festival	College Magazine

2.3.4 How does the institution nurture critical thinking, creativity and scientific temper among the students to transform them into life-long learners and innovators?

The Personality Development Programmes organized for the students cover a variety of topics including sessions on Critical Thinking, Creativity and Developing Scientific Temper. Since the college is aware of the acute need for soft-skills for the all-round development of the students' personality, this component is well taken care of in the PDPs.

Besides, the table given in 2.3.3 above shows various learning methodologies followed by the institution which nurture critical thinking, creativity and scientific temper among the students to transform them into life long learners and innovators.

The following activities take care of enhancement of thinking skills among students:

Critical Thinking	Creativity	Scientific Temper
• In-House & Industrial Training Projects • Industrial Visits • Workshops/Seminars • Guest Lectures • NSS/NCC Camps • Case Studies • Regular Aptitude Tests	• Activities conducted by Subject Associations & clubs like Debates, Quiz, Presentations, Symposia, Poster making, Working Models, Painting, Poetry Recitation, E-Content Writing etc. • Cultural Activities • Talent Show	• Guest Lectures by eminent scientists • Inter College Exhibitions • Regular Science Experiments • Environment Awareness Activities • BSR Projects

2.3.5 What are the technologies and facilities available and used by the faculty for effective teaching? e.g. Virtual laboratories, e-learning - resources

from National Program on Technology Enhanced Learning (NPTEL) and National Mission on Education through Information and Communication Technology (NME-ICT), open educational resources, mobile education, etc.

Since its reaccreditation in 2011, the college has laid great emphasis on ICT based teaching-learning process and e-content.

- Following e-learning Tools, which are accessible through college website, are used to enhance teachers' skills:
    - Spoken Tutorials from IIT Bombay
    - Digital content in collaboration with CEC
    - Logins have been created for teachers on Amrita –Virtual interactive E-Learning Tool, one of the projects of NME-ICT funded by MHRD to participate in online workshops and to participate in virtual classrooms.
    - Web Courses and Videos from National Program on Technology Enhanced Learning (NPTEL).
    - Teachers also participate in online workshops provided by NPTEL to enhance their technical skills.
- The following e-resources are available to the faculty and students through the subscription of INFLIBNET:
    - E-Resources
    - N-LIST E-books: 90000+
      N-LIST E-journals: 4200+
      CDs/DVDs: 850
- Notes uploaded on CIMS by the faculty can also be accessed by the students on their smart phones.
- Facility for a well-equipped Language Lab and Mass-Media Lab exists in the college.
- All-in-One Podium; E-Slates, E-Kiosks are some of the latest AV Communication Tools available in the institution for effective teaching.

2.3.6 How are the students and faculty exposed to advanced level of knowledge and skills (blended learning, expert lectures, seminars, workshops etc.)?

- The faculty of the college is extremely conscious about the need of up-grading its levels of knowledge and skills.
- They regularly participate and contribute to Regional, State, National and International Seminars, Conferences, Orientation Courses, Refresher Courses and other Faculty Development Programmes.
- During the last five years the faculty has participated in 1003 such programs.
- Complete details of such participation are given at the relevant place in the SSR.
- The college organizes FDPs to encourage the faculty to use ICT based teaching.
- Use of Smart Class Rooms

- Expert lectures are organized to enhance the knowledge quotient of students and faculty.
- Field visits / Excursions / Industrial Visits are organized to expose students to advanced levels of knowledge and skills.
- Spoken Tutorials facility is available in collaboration with IIT Mumbai.
- BSR Projects are allotted to the students.
- Activities for enrichment of teachers

Faculty Enrichment Activities for the last four years			
Seminars	Workshops	FDP/Refresher courses	
731 (attended)	185 (attended)	145(attended)	
Student Enrichment Activities for the last four years			
Guest Lectures	Workshops	Industrial Visits & Educational Tours	E-Learning Tools/ Training
213	**64**	**85**	**14**

2.3.7 Detail (process and the number of students \benefitted) on the academic, personal and psycho-social support and guidance services (professional counseling/mentoring/academic advise) provided to students?

Details of academic, personal, psycho-social support and guidance services provided by the college to the students in the Session 2015-16.

SNo.	Support and Guidance Service	Number of Students Benefitted
1.	Career Guidance	1350
2.	Placement Guidance	232
3.	Women Empowerment	1400
4.	Health Checkup	500
5.	Project Development	696
6.	Nutrition & Dietetics	150
7.	Legal Literacy	215
8.	Environment Awareness	1260
9.	Student Tutor System	All Students
10.	NSS	300
11.	Orientation	1259
12.	BSR Projects	91
13.	Yoga Camps	1100

2.3.8 Provide details of innovative teaching approaches/methods adopted by the faculty during the last four years? What are the efforts made by the institution to encourage the faculty to adopt new and innovative approaches and the impact of such innovative practices on student learning?

The college endevours to supplement the lecture method by following a number of innovative teaching approaches/methods:

S.No	Activity	Impact
1.	Discussion Sessions	Critical Thinking
2.	Role Plays	Participative Learning
3.	Games	Thinking Skills/Creativity Enhancement
4.	In-Basket Exercises	Thinking Skills and Problem Solving
5.	Case Studies	Critical Thinking & Problem Solving
6.	Projects	Hands on Experience/Real Life Situations
7.	A-V Presentations	Sensory Experience & Research Acumen
8.	Movie Shows	Sensory Experience
9.	Exhibitions	Critical Thinking, Interactive Learning and Teaching Skills
10.	Subject Specific Fests	Holistic Development
11.	Models/Charts	Creativity Enhancement, Thinking Skills
12.	Brainstorming Sessions	Original Idea Generation
13.	Workshops	Hands-On Experience
14.	Clarity SNET Class Communication Lab Software along with Clarity English Success and Soft Skills and personality development Software	Fast and easy learning Accuracy in pronunciation
15.	Industrial Visits	Practical Exposure to real life situations

2.3.9 How are library resources used to augment the teaching- learning process?

The college has a rich state-of-the-art library. It is computerized, has open-shelf system and has the latest facilities. Besides providing the basic facilities which a library does, the following facilities in particular augment the teaching-learning process:

SNo	Automated Library with OPAC
1.	More than 90,000 E-Books and more than 4200 E-Journals available through N-LIST consortium of INFLIBNET
2.	More than 2000 tutorials, videos, PPTs available through NPTEL, CEC & IIT Bombay
3.	Digital Library with more than 850 CDs and DVDs
4.	Wi-Fi Library
5.	Internet, Computing & Printing facility
6.	Xerox and binding facility
7.	E-Kiosk with OPAC installed
8.	A rich Reference Section
9.	More than 53000 text books and 2500 reference books in the library
10.	More than 6000 books in Book Bank

11.	More than 39 Print journals, 46 magazines and 23 Newspapers
12.	Book Exhibition
13.	Book Fairs
14.	E-Books and other E-Resources also available on the College Website
15.	Library Books accessible through College Web site

2.3.10 Does the institution face any challenges in completing the curriculum within the planned time frame and calendar? If 'yes', elaborate on the challenges encountered and the institutional approaches to overcome these.

No, the institution does not face any such challenge. Curriculum is completed well within the stipulated time-frame. If however, in particular cases a situation to the contrary arise, the concerned teacher takes extra classes and maintains a record of the same.

If there is unavailability of teacher due to study leave, sick leave etc then the workload is assigned to a substitute part time teacher. If a temporary Assistant Professor leaves mid-session due to any reason, the teaching workload is distributed evenly among other members of the department so that the teaching work does not suffer.

2.3.11 How does the institute monitor and evaluate the quality of teaching learning?

- The college takes regular student feedback, which was earlier taken manually but is now taken online, which is then analyzed and changes made accordingly. University results of individual teachers are tabulated session/semester-wise and are made a part of the ACR. If required, the teachers are apprised of their shortcomings and suggested to improve in specific areas.

- All the results of the Class tests conducted and Assignments submitted are uploaded on the CIMS. University results and Internal Assessment of the students are also uploaded on the CIMS. This information is then analyzed both by the respective teachers and IQAC to evaluate the quality of teaching learning.

2.4 Teacher Quality

2.4.1 Provide the following details and elaborate on the strategies adopted by the college in planning and management(recruitment and retention) of its human resource (qualified and competent teachers) to meet the changing requirements of the curriculum.

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.	X	X	X	X	X	X	X
Ph.D.	X	X	**07**	**04**	**13**	**07**	**31**
M.Phil.	X	X	**01**	**06**	**01**	**04**	**12**
PG	X	X	**01**	**00**	**06**	**04**	**11**
Temporary teachers							
Ph.D.	X	X	X	X	**00**	**07**	**07**
M.Phil.	X	X	X	X	**05**	**14**	**19**
PG	X	X	X	X	**08**	**36**	**44**
Part-time teachers							
Ph.D.	X	X	X	X	X	X	X
M.Phil.	X	X	X	X	X	X	X
PG	X	X	X	X	X	**02**	**02**

Teachers are recruited through All-India Open Selection by inviting applications through advertisements in leading newspapers.

- Appointments of Regular as well as Contractual staff are made as per guidelines provided by the UGC/ Haryana Govt.
- Post appointment, teachers are encouraged to participate in different types of Faculty Development Programmes including:

  - Orientation Courses
  - Refresher Courses
  - Seminars, Workshops, Conferences
  - Research Projects
  - FDPs organized to apprise the staff with latest changes in curriculum
  - Other types of FDP

  In order to retain meritorious and efficient Contractual staff, the management of the college undertakes the following measures:

  - Annual increments are given.
  - Provident Fund facility is provided to the staff.
  - The college ensures to provide highest remuneration to its contractual staff.

2.4.2 **How does the institution cope with the growing demand/ scarcity of qualified senior faculty to teach new programmes/ modern areas (emerging areas) of study being introduced (Biotechnology, IT, Bioinformatics etc.)? Provide details on the efforts made by the institution in this direction and the outcome during the last three years.**

- As the institution is grant-in-aid, receiving 95% deficit grant from the State of Haryana, it is obliged to follow the rules and procedures of the state Government in matters of appointment. There are long periods when there is a permanent ban on appointments by the state Government.

- Moreover, the colleges have not been allowed promotion to the Professor Grade by the Government. Despite these handicaps, the college ensures that both in case of regular and temporary appointments, only highly qualified candidates are appointed. It would not be correct to say that there is a scarcity of qualified Senior Faculty in our institution.
- To supplement the existing knowledge of the staff the institution organizes expert lectures on related topics.
- Guest faculty from industry and other reputed institutes/ Research Institutes are invited to upgrade the skill-based knowledge.
- Spoken tutorials/ e-Resources and latest Software are provided to the students as well as staff.
- Laboratories are equipped with modern and latest equipment to help the faculty members to stay abreast with the latest know-how.
- Visits to Research Institutes of eminence are organized to give exposure to the faculty members.
- College regularly conducts seminars on modern/emerging areas.
- College generously nominates the faculty members to attend FDP for the betterment of their teaching and research skills.

2.4.3 Providing details on staff development programmes during the last four years elaborate on the strategies adopted by the institution in enhancing the teacher quality.

The institution firmly believes that 'Sharpening the Saw' is the key to excellence. It is therefore ever eager to motivate the faculty to participate in a variety of FDPs and other related Training Programmes to hone their skills. The following table enumerates in detail the participation of the faculty in Academic Staff Development Programmes:

a) Nomination to Staff Development Programmes

Academic Staff Development Programmes	Number of faculty nominated
Refresher courses	**19**
HRD programmes	**08**
Orientation programmes	**14**
Staff training conducted by the University	**28**
Staff training conducted by other institutions	**27**
Summer / winter schools, workshops, etc.	**34**

b) Faculty Training programmes organized by the institution to empower and enable the use of various tools and technology for improved teaching-learning

- ❖ Teaching learning methods/approaches
- ❖ Handling new curriculum
- ❖ Content/knowledge management
- ❖ Selection, development and use of enrichment materials

- Assessment
- Cross cutting issues
- Audio Visual Aids/multimedia
- OER's
- Teaching learning material development, selection and use

The following Faculty Training programmes were organized by the institution to empower and enable the use of various tools and technology for improved teaching-learning:

Teaching Learning Methods/Approaches		
Sr. No	**Activity**	**Date**
1.	Workshop on Smart Class Teaching	11-20 Mar 2011
2.	National Workshop on Computational Sanskrit	11-13 Nov 2011
3.	Workshop on Effect of Music Education on Body & Mind	25 Oct 2012
4.	Workshop on Creative Writing in Hindi	16-22 Sep 2013
5.	Workshop on Techniques of Music Appreciation	11-15 May 2015
6.	Creative Writing Workshop in English	11-14 Sep 2015
7.	Orientation Programme	24 June 2016
Handling New Curriculum		
8.	Workshop on Cyber Security and Ethical Hacking	30 Oct 2011
9.	Extension lecture on Networking and resource management	17 Mar 2012.
10.	Workshop on Radio Chemistry & Applications of Radio Isotopes	6-11 Oct 2014
Content/Knowledge Management		
11.	FDP: Vedic Classes	5-10 Sep 2011
12.	Workshop: Indian Astrology	12-14 Sep 2011
13.	Workshop: Computational Sanskrit	11-13 Nov 2011
14.	Workshop: Electronic Media & Animation	12-17 Sep 2011
15.	Workshop: Personality Analysis through Astrology	21 Apr 2014
16.	Workshop: Current Development in Mathematics & Computer Sc.	18 Mar 2016
17.	Workshop on FORTRAN	19 Aug 2016
18.	National Workshop: Chemistry-Biology Interface: Opportunities and Challenges"	12 Mar 2016
Selection, Development and Use of Enrichment Materials		
19.	Workshop on MATLAB	5-6 Mar 2011
20.	Workshop on Linux	29 Nov 2014
21.	Workshop on Android Development	28 Feb – 01 Mar 2015
22.	FDP: Blog Development & Web Hosting	15 Dec 2015

23.	FDP: Java	16 Dec 2015
24.	FDP: ICT	12-13 Feb 2016
25.	FDP: Search Engine Optimization	22 Feb 2016
Assessment Workshop		
26.	Developing Vedic Gross National Happiness Index	30 Mar 2013
27.	Workshop: Personality Analysis through Astrology	21 Apr 2014
Cross Cutting Issues		
28.	Workshop: Indian Astrology	12-14 Sep 2011
29.	FDP: On Human Rights	9 Oct-7 Nov2013
30.	FDP: Applied Indian Psychology	28 Mar-Apr2014
31.	Workshop: Metaphysics and *Panch Mahayagya*	26 Sep 2014
32.	Workshop on Computational Physics	30-31 Mar 2015
33.	Workshop: Fundamental Principles of Ayurveda	Sep 2015
Audio Visual Aids/Multimedia		
34.	Workshop: Electronic Media & Animation	12-17 Sep 2011
35.	Workshop on PHP	17 Dec 2014
36.	FDP: Photoshop, Flash & VB Database Connectivity	10-12 Dec 2015
OERs		
37.	Spoken Tutorials for teachers	June 2013
38.	FDP: Blog Development & Web Hosting	15 Dec 2015
39.	FDP: ICT	12-13 Feb 2016
40.	Training Session on Virtual class rooms & Online Workshops on Amrita –Virtual interactive E-Learning Tool, one of the project of NME-ICT funded by MHRD	June 2016
41.	Training Program on Use of Online Workshops by NPTEL	15 June 2016
Teaching Learning Material Development; Selection and Use		
42.	FDP: Development of Communication Skills	12 Dec 2013
43.	FDP: Development of Soft Skills	9-24 Sep 2015
44.	FDP: Blog Development & Web Hosting	15 Dec 2015
45.	FDP: ICT	12-13 Feb 2016
46.	FDP: Research Methodology	13-15 July, 2016

c) Percentage of Faculty as:

Resource persons in Workshops / Seminars / Conferences organized by external professional agencies	20%
Participated in external Workshops / Seminars / Conferences recognized by national/ international professional bodies	98%
Presented papers in Workshops / Seminars / Conferences conducted or recognized by professional agencies	95%

2.4.4 What policies/systems are in place to recharge teachers? (e.g.: providing research grants, study leave, support for research and academic publications teaching experience in other national institutions and specialized programmes industrial engagement etc.)

- Teachers are strongly motivated to apply for Major and Minor Research Projects to Institutes of Eminence including the UGC.
- Those desirous of study leave for qualification improvement are encouraged in the larger interest of both the teacher and institution.
- Similarly, teachers are also encouraged to go in for academic publications including Research Papers, Books, Chapter(s) in a Book, Proceedings of Seminars/Conferences. Details of these can be found in the relevant portion of the SSR.
- Teachers have availed the UGC scheme of Faculty Improvement Program (FIP) for doing in-service Ph.D. Prof. Jaideep Chauhan of the Dept. of English availed Study Leave under Faculty Improvement Program for two years. Currently, Prof. Gurvinder Singh of the Dept. of Physics is availing the same.
- KUK provides financial assistance for publication of research work.
- The college provides financial assistance including Registration Fee, TA/DA etc. and duty leave for attending seminars, conferences and workshops.
- Faculty Members are also encouraged to attend training programs and workshops organized by Universities and other Institutions.
- The institution publishes its own Research Journal titled 'Purva Mimaansa'.

2.4.5 Give the number of faculty who received awards / recognition at the state, national and international level for excellence in teaching during the last four years. Enunciate how the institutional culture and environment contributed to such performance/achievement of the faculty.

The following faculty received awards / recognition at the State and National and international level for excellence in teaching during the last four years:

Academic Awards

1.	**Dr. Ashutosh Angiras**	• Awarded Mahakavi Baana Bhatta Puruskar by Harayana Sanskrit Academy, Panchkula; Cash Prize of Rs.51000/- and Citation.
2.	**Dr. Naveen Gulati**	• Awarded Silver Jubilee Award on 25th Anniversary Celebration of the book "Elements of Mathematics" by Indian Authors' Association. • Saravshreth Shikshak Sammaan in Best Teachers Ceremony by Dainik Bhaskar in 2014 & 2015. • Award of Honour in International Conference on

		Contemporary Social Issues, ICCSI-16 by Department of Mathematics & Humanities, MMU, Mullana.
3.	**Dr. Paramjeet Kaur**	• Shiksha Rattan Puraskar & Citation by Dr. Bhisham Narayan Singh (Former Gov. of Assam and Tamil Nadu) through IIFS, Delhi.
4.	**Dr. Prem Singh**	• Awarded for Meritorious work in Academics by Maha Rana Partap Memorial Inter College, Shimlana, Saharanpur, U.P. in 2012.
5.	**Ms. Rubi**	• Awarded Best Paper Presenter in International Conference in International Podar College, Jaipur in 2016.
6.	**Dr. Kavita Taneja**	• Awarded "Shiksha Rattan Puraskar" for contribution in the field of Education, Research and Academics.
7.	**Dr. Vijay Sharma**	• Presented Best Teacher Award for her meritorious work in Academics by *Dainik Bhasker* Newspaper on 30-10-2014. • Presented Women Achievement Award for her meritorious work in Academics by *Dainik Bhasker* Newspaper.

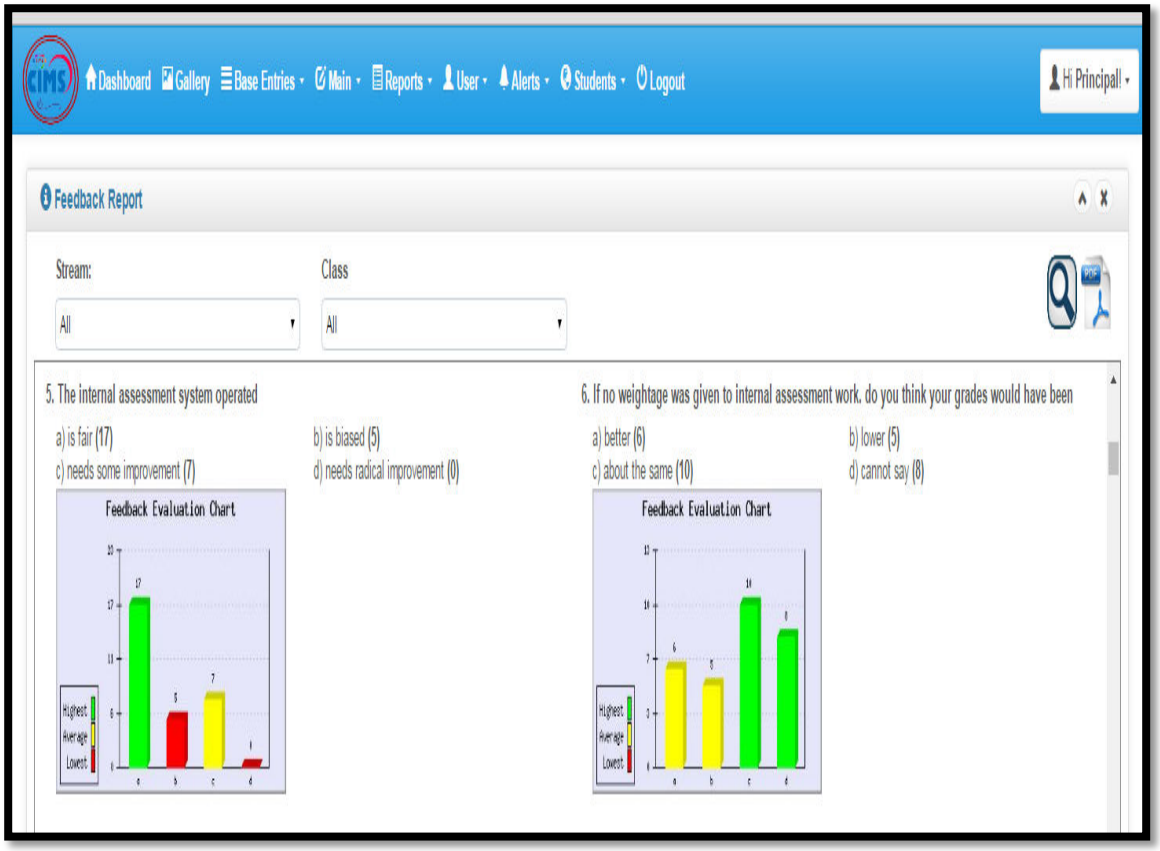
The institution has always encouraged the faculty to do its best and for this purpose teachers are motivated to innovate, experiment and create new paradigms in the teaching-learning environment. This pro-teacher approach has contributed to such performance/achievement of the faculty.

2.4.6 Has the institution introduced evaluation of teachers by the students and external Peers? If yes, how is the evaluation used for improving the quality of the teaching-learning process?

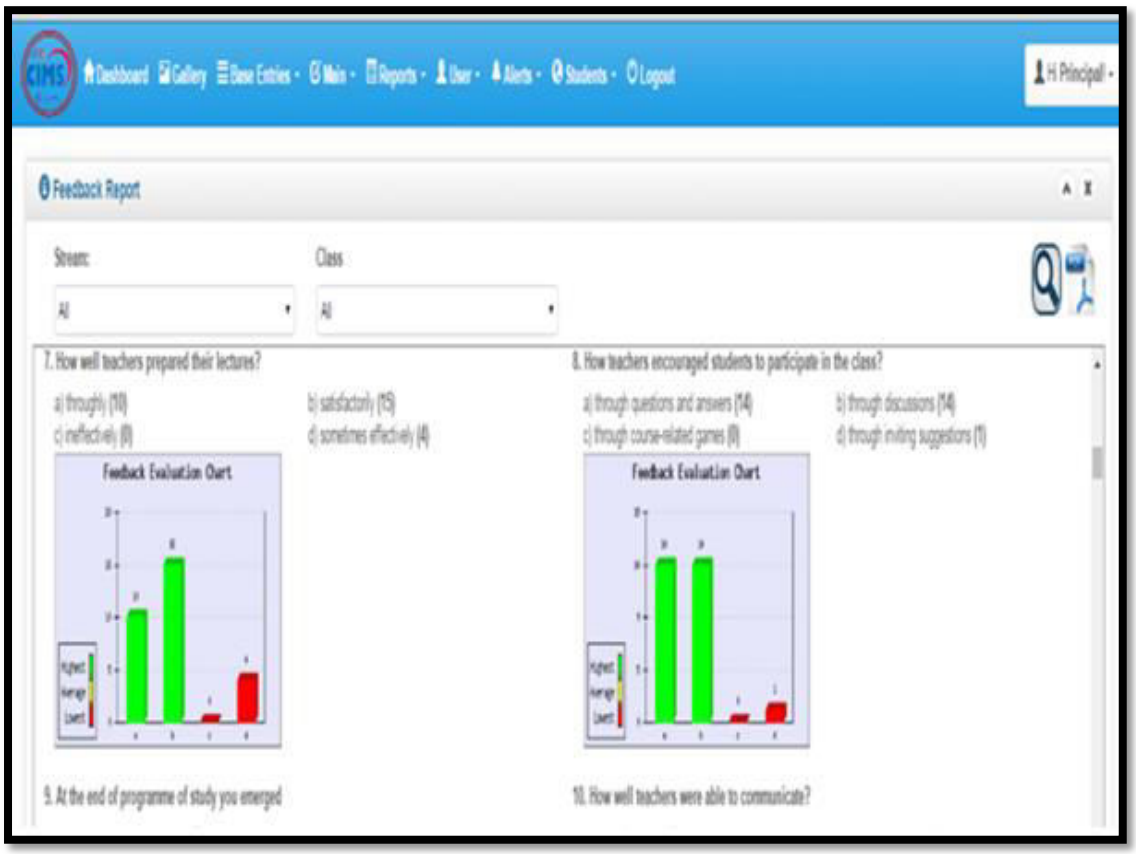
- The institution has a well-defined system of evaluation of teachers by the students which is routed, processed and analyzed by Feedback Committee.

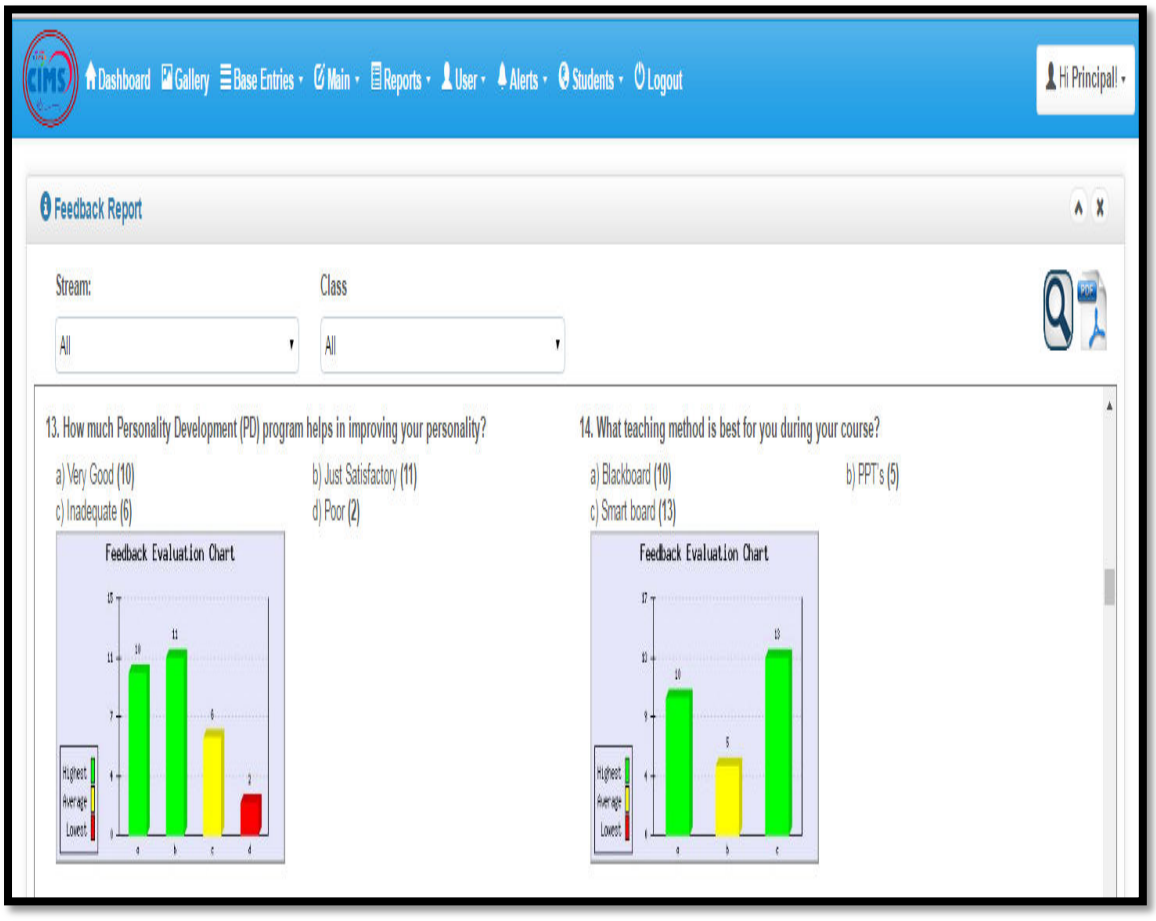
- Previously, the student feedback was obtained through hard copies twice annually— midterm and end-term. However, from the current academic session the entire process has been streamlined and an exhaustive feedback form is available online on the CIMS.

- This gives the advantage of viewing the results online and the faculty members can take corrective measures at their own level without the intervention of college authorities.
  A sample of the online evaluation of teachers by the students as available on CIMS is given below:


Dashboard
Gallery
Base Entries
Main
Reports
User
Alerts
Students
Logout
Hi Principal!
Feedback Report
Stream:
All
Class
All
5. The internal assessment system operated
a) is fair (17)
b) is biased (5)
c) needs some improvement (7)
d) needs radical improvement (0)
Feedback Evaluation Chart
6. If no weightage was given to internal assessment work, do you think your grades would have been
a) better (6)
b) lower (5)
c) about the same (10)
d) cannot say (8)
Feedback Evaluation Chart


Dashboard
Gallery
Base Entries
Main
Reports
User
Alerts
Students
Logout
Hi Principal
Feedback Report
Stream:
All
Class
All
Academics
1. Was the practical/studio/workshop component of your course sequenced with theory classes?
a) yes (28)
b) no (1)
c) not applicable (0)
Feedback Evaluation Chart
2. How much syllabi was taught in the class?
a) 90-100% (12)
b) 80-90% (15)
c) 70-80% (2)
d) Less than 70% (1)
Feedback Evaluation Chart


Dashboard
Gallery
Base Entries
Main
Reports
User
Alerts
Students
Logout
Hi Principal!
Feedback Report
Stream:
Class
All
All
7. How well teachers prepared their lectures?
a) throughly (10)
b) satisfactorily (15)
c) ineffectively (0)
d) sometimes effectively (4)
Feedback Evaluation Chart
8. How teachers encouraged students to participate in the class?
a) through questions and answers (14)
b) through discussions (14)
c) through course-related games (0)
d) through inviting suggestions (1)
Feedback Evaluation Chart
9. At the end of programme of study you emerged
10. How well teachers were able to communicate?


Dashboard
Gallery
Base Entries
Main
Reports
User
Alerts
Students
Logout
Hi Principal!
Feedback Report
Stream:
Class
All
All
13. How much Personality Development (PD) program helps in improving your personality?
a) Very Good (10)
b) Just Satisfactory (11)
c) Inadequate (6)
d) Poor (2)
Feedback Evaluation Chart
14. What teaching method is best for you during your course?
a) Blackboard (10)
b) PPT's (5)
c) Smart board (13)
Feedback Evaluation Chart

The Feedback Committee Reports are routed through IQAC wherein they are analyzed and corrective measures are suggested accordingly.

2.5 Evaluation Process and Reforms

2.5.1 How does the institution ensure that the stakeholders of the institution especially students and faculty are aware of the evaluation processes?

- The evaluation process is detailed in the college prospectus.
- Student Orientation is done at the beginning of the session and thereafter in the classrooms in which they are again apprised of the Evaluation Process.
- The college website has a dedicated link to all academic activities and evaluation process of the University.
- The college library ensures the availability of question papers of previous years.
- Evaluation process is standardized by the respective departments internally. The senior faculty assists and guides the younger faculty regarding the same. At times, wherever required, the University Paper-Setters also issue guidelines and 'keys' for evaluators, thus helping in making the evaluation process standardized.
- Faculty members apprise the students about the evaluation process in their classes. Evaluated assignments and class-tests are returned to them for a short period, during which, students' doubts regarding evaluation are taken up. Serious grievances connected with evaluation are taken up by the Examination Committee of the college.

2.5.2 What are the major evaluation reforms of the university that the institution has adopted and what are the reforms initiated by the institution on its own?

- The University adopted the Semester System of teaching in 2011 as recommended by the UGC.
- For outstanding sportspersons, the University allowed special condoning of lectures.
- Internal Assessment of 20% marks is taken very seriously by the institution. It ensures complete transparency in the entire internal evaluation system by scrupulously following the earlier processes/norms of the House Tests. For this purpose there is an Examination Committee which ensures that:
  - Submission of Assignments is time-bound.
  - Class Tests are conducted within a particular testing-window already mentioned in the college prospectus.
- Evaluation Reforms initiated by College
  - Teachers interact with students in their initial lectures and assess them for grouping into Advanced Learners and Slow Learners on the basis of which they provide them the required academic tasks like Class Tests, Assignments, Presentations, etc.

- Transparency in Evaluation
  - Students can get the answer books of their Semester End Examinations re-evaluated by paying the prescribed fee to the University.
  - Students can have a photocopy of the assessed answer book after the declaration of the result by paying the prescribed fee to the University.
  - Credit System for evaluation has been adopted for B. Voc. Courses

2.5.3 How does the institution ensure effective implementation of the evaluation reforms of the university and those initiated by the institution on its own?

As already stated in 2.5.2 above, the college ensures effective implementation of the evaluation reforms of the university by taking the following steps:

- The KUK website is regularly checked for any amendments in evaluation processes. The same is then downloaded and information is supplied to all concerned.

- Evaluation Reforms at the college level are decided by the Examination Committee, Advisory Committee and the Planning Board. They are then communicated to various Heads of the Departments who ensure their effective implementation.
- Performance of the students is regularly monitored by the tutors and suitable corrective measures are taken as and when required.

2.5.4 Provide details on the formative and summative assessment approaches adopted to measure student achievement. Cite a few examples which have positively impacted the system.

The institution is obliged to follow KUK norms as far as Summative Assessment of students is concerned. However, for Formative Assessment, the institution employs following criteria:

- Formative Assessment
  - Two hand written assignments
  - One Class Test
  - Class Room Quiz
  - Projects
  - Class Room Seminars

- Summative Assessment
  - End-semester University examination

- Assessment Impact
  - Formative assessment helps the teacher identify the knowledge gap of the students to plan for bridge courses or corrective measures to be adopted.
  - Summative assessment helps to determine the retention quotient of the students.

2.5.5 Detail on the significant improvements made in ensuring rigor and transparency in the internal assessment during the last four years and weight ages assigned for the overall development of students (weightage for behavioral aspects, independent learning, communication skills etc.)

To ensure maximum transparency in continuous assessment, following measures have been adopted by the college:

- The entire schedule is printed in the college prospectus. Awards and Internal Assessment is uploaded on the CIMS where it can be accessed by the student.
- Before CIMS was developed, the same was displayed on the college notice-boards.
- Currently, no weight age is assigned to behavioral aspects, independent learning, communication skills etc. in the internal assessment.
- The entire process of submission and evaluation of assignments and class tests is time-bound and transparent as per the rules of KUK.
- For more transparency the assignments and class tests are shown to the students. They have the option to post their grievances regarding this on CIMS.

2.5.6 What are the graduates attributes specified by the college/ affiliating university? How does the college ensure the attainment of these by the students?

- The affiliating University does not specify any graduate attributes. However, the college is acutely aware of the need for soft-skills and personality development among graduates.

- As such, it has a number of programmes in place for the over-all development of the students' personality. The Career Guidance Cell (CGC), the Placement Cell in particular and other associations and subject-societies in general conduct various extension activities to enrich the personality of the graduates to imbibe in them qualities which will prepare them to become empathetic and responsible citizens besides preparing them for a tough job-environment.

- Some of the graduate attributes on which the institution focuses are as follows:
    - Gender Sensitivity
    - Legal Literacy
    - Social Awareness
    - Communication Skills
    - Soft Skills
    - Employability Skills

- Besides, there are a number of add-on courses which help students in developing graduate attributes.

Initiatives for Developing Graduate Attributes

Attributes	Initiative taken
Knowledge	• By offering wide range of traditional, skill oriented courses both at UG and PG level and certificate courses as per the need of the hour. • By Implementing ICT based Teaching Learning. • Providing ample e-Resources for self learning • Equipping the Library with the latest equipment, Books & e-Resources.
Communication Skills	• Dedicated Well equipped English Language Lab • Young Speakers' Club and Creative Students' Association • Mandatory Personality development course for first year and optional for remaining years. • Workshops on Soft Skills • Inter College competitions like debate, declamation, PPT, Extempore, Symposia etc. • Add on Course in Functional and Spoken English.
Problem Solving Skills	• Aptitude Tests • Science Projects • Case Studies
Soft/ Employability Skills	• Career Guidance & Placement Cell • Collaboration with Leap Skills Academy for sector specific training of final year students of all streams. • Workshops on Personality Development • Workshops on Entrepreneurship.
Legal Literacy	• Legal Literacy Cell • Lectures by eminent legal consultants • Competitions on Legal Awareness
Social Awareness/Gender Sensitivity	• NSS • Rotaract Club • Youth Red Cross • Women Cell • Environment Club • Adhyatmic Sabha • Anti Ragging Cell

2.5.7 What are the mechanisms for redressal of grievances with reference to evaluation both at the college and University level?

- The University allows re-evaluation of answer books and candidates can also inspect and get photocopies of their answer books.
- The college encourages teachers and students to have an interactive and open teaching-learning environment wherein the students' grievances with

reference to evaluation are redressed internally and amicably.

- However, the students can always approach the Grievances Redressal Cell for this purpose through CIMS.

2.6. Student performance and Learning Outcomes

2.6.1 Does the college have clearly stated learning outcomes? If 'yes' give details on how the students and staff are made aware of these?

- The college is aware that education does not merely mean acquiring of knowledge and information. Its purpose is to train the youth for the challenges of the world that exists outside the campus.
- As such, the learning outcome imbibes a comprehensive approach towards the goal of education.
- It aims at developing the personality of the students not only through classroom inputs but by giving them ample opportunities of personal growth through curricular activities including Cultural, Sports, NCC, NSS, Subject Societies and Associations.
- The staff is sensitized about these goals in various interactive sessions during Staff-Council and departmental meetings. Students are given complete information of various learning opportunities available through the College Prospectus, Website and motivational talks by teachers in the classes.

  It would be pertinent to mention here that the Learning Outcomes, which are as follows, are in consonance with the Vision & Mission of the college, clearly stated in the college prospectus and also available on the college website:

  - Strong Subject Knowledge
  - Interpersonal skills
  - Problem Solving and Analytical skills
  - Logical & Reasoning Skills
  - Clinical & Laboratory Skills
  - Practical application of academic knowledge
  - Technology Savvy
  - Initiative and Innovative ability
  - Entrepreneurial skills
  - General and Social Awareness

2.6.2 Enumerate on how the institution monitors and communicates the progress and performance of students through the duration of the course/programme? Provide an analysis of the students results/achievements(Programme/course wise for last four years) and explain the differences if any and patterns of achievement across the programmes/courses offered.

- The progress and performance of the students is monitored through Assignments and Class-Tests.
- It is communicated to them through the CIMS.

- Students can access the marks scored by them in Class Tests and Assignments and if they have any grievance, the same can be uploaded online on the CIMS.

Programme Wise Pass Percentage

Programme	2012-13 (%)	2013-14 (%)	2014-15 (%)	2015-16 (%)
B. A.	58	62	67	56
B.Sc Non Med	65.68	71.15	69	70
B.Sc Med	75	100	100	97
B.Sc IT	96.7	92.30	89	90.2
B.Sc H.Sc.	100	62.5	59	60
B.Sc. Electronics	70	72.63	74.25	76
B.Sc Comp Sc.	72.7	75	78	77
B.Sc CAV	87.5	85	84	87
B.Sc Bio Tech	100	80	88	89
B.Com ASPSM	85.29	84	75	82
B.Com CAV	81.81	100	98	92
B.Com Gen(SF)	88.75	95.94	88	90
B.Com Gen	95.23	95.65	96	95.2
B.Com OMSP	62.5	70.83	69	71.25
B.Com PPI	50	92.85	86	79
B.Com TTM	60	63.63	NA	NA
BBA	78.37	76.08	66	69
BCA	89.74	85	85	84
MA(English)	57.89	80	82	82
MA(Hindi)	100	100	100	100
MA(Eco)	71.42	70	60	72
MA(Mass Comm.)	100	70.59	100	100
M.Com Gen	97.82	94.44	83	88
M.Com IT	NA	100	79	100
M.Sc Applied Phy.	100	90.90	100	84
M.Sc Maths	45.16	59.37	82	80
PGDCA	53.84	81.25	80	81

2.6.3 How are the teaching, learning and assessment strategies of the institution structured to facilitate the achievement of the intended learning outcomes?

The conventional teaching-learning process assessment is based on the curriculum and guidelines of the University. The efforts made by the college to facilitate the intended learning outcome is stated above in 2.6.1

2.6.4 What are the measures/initiatives taken up by the institution to enhance the social and economic relevance (student placements, entrepreneurship,

innovation and research aptitude developed among students etc.) of the courses offered?

The institution is sincerely devoted to enhance the social and economic relevance of its courses through the following measures:

- Companies are invited for On-Campus hiring throughout the session.
- Students of the Science Departments are allotted Basic Science Research (BSR) Projects to enhance their knowledge of pure sciences.
- A number of extension lectures, workshops and seminars are conducted on Entrepreneurial Skills.
- The NCC and NSS Wings and Units of the college are devoted to the enhancement of Social Relevance of the courses offered through their diversified, year-long activities.
- The Youth Red Cross and Rotaract Club are also dedicated to the above.

Initiatives to Enhance Social Relevance through NSS, NCC, YRC, Environment Club, Rotaract Club & Associations

1. Tree Plantation

College has arranged 20 tree plantation drives wherein about 2000 students have participated in the last four years through NSS, Environment Club, YRC, Rotaract Club along with associations and planted about 10000 trees in the campus as well as outside the campus.

2. Women Empowerment

Every year Women Cell and other Associations conduct following programs:

- Health Awareness Programs
- Legal Awareness Programs
- Hemoglobin Testing
- Rallies on *Beti Bachao, Beti Padao*
- Poster making and Slogan Writing Competitions
- Self Defense Programs

3. Blood Donation

Every year two Voluntary Blood Donation Camps are organized by the College in collaboration with PGI, Chandigarh and Red Cross Society and about 1400 units of blood has been donated in the last four years. Apart from these camps, our donors are available on regular emergency calls not only for city hospitals but also to PGI.

Moreover sensitization programs on blood donation are conducted every year by the college.

4. Donations

To sensitize students to help weaker and vulnerable section of the society college inculcate the habit of donating. Students and staff of the college has helped weaker section by offering following donations in the last four years:

College staff has donated:

- Amount of Rs 5,20,000 for a cancer patient in the session 2015-16.
- Amount of Rs 1,31,600/- to Uttrakhand Disaster Relief Fund.
- Amount of Rs 1,01,015/- for non-teaching employees for medical aid.
- Amount Rs 22,000/- to Gau Shala, Haridwar.
- 05 Computers to S.D Adarsh, Sanskrit College, Ambala Cantt.
- Rotaract Club fed more than 100 children in session 2012-13.
- Rotaract Club donated Rs 40,000/- for installation of water cooler in Govt. School.

Apart from these, departments donate and help weaker sections in various ways.

5. Camps

Every year NSS unit of the college organizes social awareness camps in the rural areas. About 500 students have participated in these camps in the last four years. NCC cadets of both Girls & Boys wings participate in various training and adventure camps and be a part of social and welfare activities across the country.

- Advanced Youth Leadership training Camps
- Roko Cancer Charitable Camp
- First Aid Training Camps
- Free Cardiac Check up Camps
- Medical Checkup Camps
- National Integration Camps
- Trekking Camps
- Eye Donation Camps
- Pulse Polio Camps
- Dental Camps
- Army Attachment Camps
- Youth Exchange Programs

6. Survey

Every year NSS and NCC units of the college conduct following Surveys:

- ASER Survey
- Socio-economic Survey
- AIDS Awareness Survey
- Survey on Health & Literacy

7. Social Day Celebrations

- Sadbhavna Divas
- Women's Day
- Nutrition Week
- National Voter's Day
- Independence Day Celebration
- Republic Day Celebration
- National Youth Week
- Traffic Week

8. Awareness Programs and Rallies

- AIDS Awareness Rally
- Traffic Awareness Rally
- Cancer Awareness
- Say No to Polythene
- Environment Awareness
- Legal Awareness
- Health Awareness
- Cycle Rally on Women Empowerment
- Clean Earth Green Earth campaign
- Ill-effects of Female Foeticide
- Drug De-addiction

Initiatives to Enhance Economic Relevance (Placements)

All the departments along with dedicated Career Guidance Cell & Placement Cell conduct workshops, guest lectures by eminent resource persons, entrepreneurs & experts from industry, training programs and coaching classes for the students to train them for competitive exams and interviews

.

Details of Programs

1. **500** students attended a motivational lecture on Life Skills by Life Coach, Mr. Naveen Gulia.
2. **350** students attended a motivational lecture on Life Skills by Life Coach, Ms. Samriti Bhardwaj
3. **60** students of B.Com were trained for Soft Skills by WNS, NASSCOM.
4. **400** students of B.Sc were trained in a Training Program on "Fibre Optics" by trainers from Iqbri Telecom Pvt. Ltd.
5. **06** students of B.Sc attended One Day National Summit for Start Ups cum Corporate Meet at Ennoble, IP Amity University.
6. **45** students of B.Com were trained in Personality Development Skills in a Workshop by Mr. Parth Ashok Narang.

7. 110 students of B.A and M.A. were trained in One Day career Awareness Camp on "Career Options & Job Opportunities" by Dr. Ashutosh Mishra, Prof. & Dean, Chitkara University.
8. **40** students of B.Sc. III and B.C.A.III attended a Workshop on "Computer Programming Skills" organized by MIET, Mohra.
9. **102** students attended Workshop on Digital Marketing by Xperia Technologies.
10. Mock Test for the admission & scholarship to M.B.A course by Ram Devi Jindal Group of Colleges.
11. Pre-employment Assessment and Interview by GENPECT (Computer Based Adaptive Test.)
12. A seminar on Resume Writing and Interview Skills by ICFAI
13. A training program by JCI, Ambala on the topic "College and Beyond - The Challenges".
14. Bhavishya Jyoti Scholarship Test by NIIT
15. A free scholarship test by Bulls Eye - A premier institute of Northern Region for MBA, GRA, GMAT courses.
16. A seminar by Chitkara University on Career prospects in management was attended by students..
17. Students attended a Career counseling program by Maharaja Agarsen Institute of Management and Technology, Jagadhari.
18. Students attended a training program by AIMT, Ambala City on the topic "Career Prospects in Management".
19. A Training Program was organized by JCI, Ambala on the topic "Fly High: Touch the Sky".
20. A seminar on "Career Guidance in Insurance Sector" by DHLF Life Insurance Company.
21. A seminar on "Resume Writing and Interview Skills" organized by IBS Business School, ICFAI Group.
22. A seminar to enlighten students for government jobs as Career after Graduation was organized.
23. Seminar on Govt. jobs by Career launcher.
24. Guest lecture on Career guidance by Mr Vinod Sood from IIM, Ahmadabad.
25. Guest Lectures for students preparing for CA, Banking PO/Clerk, NET, Finance, Stock Markets, Insurance, CAT/MAT, Tally.

Students' Placements during the last five years

2011-12	2012-13	2013-14	2014-15	2015-16
36	**40**	**10**	**58**	**232**

Initiatives to Enhance Entrepreneurial Skills

S.No.	Activity	Guest Faculty	Date
1.	13 Days Training Programme on Entrepreneurship Development	Conducted by Ministry of Micro, Small & Medium Enterprises Development Institute, Karnal	12-23Nov 2013

2.	1-Week Workshop- Meenakari & Pot Painting	Mrs. Asha Verma, Senior Faculty, Pidilite	03 Dec 2014
3.	3- Days Workshop- Tanjore Painting & Glass Painting	Mrs. Asha Verma, Senior Faculty, Pidilite	19-21 Feb 2015
4.	1- Day Workshop- Jewellery Designing	Mrs. Asha Verma, Senior Faculty, Pidilite	09 Apr 2015
5.	Demo Class- Usha Sewing Machine	Mr. Suresh Vyas, Asst Regional Manager, Usha Int. Ltd.	01 Aug 2015
6.	3 Days Art & Craft Workshop – cum- Exhibition	Mrs. Asha Verma, Senior Faculty, Pidilite	15-17 Sep 2015
7.	Entrepreneurship Awareness Camp	Mr. Jawahar Sharma, Trainer, Hardiconn Pvt. Ltd.	21-23 Jan 2016
8.	Training & Industrial Visit	Mr. Jawahar Sharma, Trainer, Hardicon Pvt.Ltd.	23 Jan 2016
9.	Workshop on Career Guidance	Xperia Technologies	9-10 Feb 2016
10.	Guest Lecture on Career Guidance	Team from IIM, Ahmedabad	24 Feb 2016
11.	Extension Lecture on Future & Options in Derivative Market	Mr. Sachin Jasuja, Regional Product Manager, Aditya Birla Money Ltd., Delhi	12 March 2016
12.	2 months Bakery Training at IHM, Jyotisar, Kurukshetra	Under the scheme of Hunar se Rozgar, by Govt, of India	30 May 2016 to 15 July 2016
13.	Extension Lecture on Career Consciousness	Dr. Vivek Chawla, Associate Prof., UC, KUK	31 Oct 2016

Initiatives to Develop Innovation and Research Aptitude

SNo.	Activity	Guest Faculty	Date
1.	Testing of Hypothesis	Mr. Parmil Kumar, Associate Professor, Govt College, Ambala Cantt	20 Jan 2013
2.	Workshop on SPSS Software	Dr Hardeep Joshi , Assistant Professor, Department of Psychology, K.U.K	22 Feb 2013
3.	Workshop on Research Methodologies	Dr. Sangeeta (Dean Education, Chitkara University)	13 July 2016

Students' Projects under BSR

Department	2012-13	2014-15	Total	Amount (Rs.)
Botany	06	06	12	60,000/-
Zoology	06	06	12	60,000/-
Chemistry	06	06	12	60,000/-
Comp. Sc.	06	08	14	60,000/-
Elec & IT	06	06	12	60,000/-
Home Science	06	02	08	40,000/-
Mathematics	06	05	11	60,000/-
Physics	06	04	10	50,000/-
TOTAL	**48**	**43**	**91**	**4,50,000/-**

Students' Projects (In-house) for the Session 2015-16

Name of Class	Total
B.Sc (Comp. Sc)	31
M.Com IT	19
Add on Courses	77
B.Sc. Electronics-III	60
B.Sc.(Hons)-IT III	37
CCCM	12
B. Sc (Home Sc.)	04
M. Sc (App Phy)	38
Commerce	43

Students' Projects (Outside the Institution) for the Session 2015-16

Name of Class	Total
B. Voc(SD)	33
B.Com(CAV)	66
B. Sc (Home Sc)	20
M. Sc (App Phy)	42
Commerce	378

2.6.5 How does the institution collect and analyze data on student performance and learning outcomes and use it for planning and overcoming barriers of learning?

The college admits students from diverse backgrounds and different entry level scores. These two factors act as guiding parameters and are more often than not the reasons for different learning outcomes.

The faculty is well aware of the barriers of learning, most of which are quite common. Right from the beginning of the session, the faculty is sensitized to motivate such students and use remedial teaching measures to help students overcome these barriers.

Some of the common barriers are:

- Extremely low score in a particular subject in the Entry Level Examination
- Rural Background
- Pursuing a profession/business simultaneously

To overcome the above barriers, the institution follows the measures given below:

- Many departments have adopted the Tutor System in which students in small batches are personally guided and counseled by the teachers.
- Composition Groups have been created to ensure effective teaching of language.
- Regular batches for Communication Skills are held.
- Language Lab facility has been provided in the college.
- Guest/Extension Lectures are organized.
- Innovative Teaching Methods are adopted for effective dissemination of the curriculum.

2.6.6 How does the institution monitor and ensure the achievement of learning outcomes?

Learning outcomes are regularly monitored through both formal and informal methods. Formal methods include the performance of the student in Assignments, Class-Tests and the end-semester University Examination. Informal methods include student responses received by the teachers in the classroom during teaching.

2.6.7 Does the institution and individual teachers use assessment/ evaluation outcomes as an indicator for evaluating student performance, achievement of learning objectives and planning? If 'yes' provide details on the process and cite a few examples.

Since the college is affiliated to a University, it is obliged to follow the norms and procedures prescribed by the affiliating University. However, within this existing framework and constraint, teachers do use assessment/ evaluation outcomes as an indicator for evaluating student performance and take appropriate remedial measures at their end.

On the basis of their performance, the students are categorized as 'Slow' and 'Advanced' Learners. Teachers plan their curriculum accordingly.

- **Slow Learners**
  - Tutorials are organized to ensure one to one interaction between the tutor and the taught.
  - Extra classes are organized
  - Innovative Teaching Practices, specific to slow learners are adopted.

- **Advanced Learners**
  - They are encouraged to visit the Library and consult latest journals and

advanced reference material.

- They are motivated to use e-technology like e-tutorials, e-kiosks and e-journals.
- They are provided advanced study material through the CIMS portal.

Any other relevant information regarding Teaching-Learning and Evaluation which the college would like to include.

While the institution lays great emphasis on the overall personality development of its students and motivates them to participate in games, sports and curricular activities, it is aware that academics is the foundation on which a successful career is built. Hence, maximum emphasis is given to Teaching-Learning and Evaluation. To enable teachers to utilize most of their time for academic activity, the college has put in place a fully developed College Information Management System (CIMS) so that routine paperwork is eliminated, thereby giving more time to the faculty for academic pursuits.

CRITERION III
RESEARCH, CONSULTANCY AND EXTENSION

3.1 Promotion of Research

3.1.1 Does the institution have recognized research center/s of the affiliating University or any other agency/organization?

The college has recently started the Sanatan Dharma Research & Development Centre under Restructuring Sanskrit Scheme. It is a novel project aimed at promoting research among the faculty and students in all disciplines, including inter-disciplinary research.

Some of the salient features of the Research Centre are:

- Availability of online Research Material
- Stress on Multi-disciplinary Research

The Research Centre has its own website: http://www.sanatansanskrit.in

3.1.2 Does the Institution have a research committee to monitor and address the issues of research? If so, what is its composition? Mention a few recommendations made by the committee for implementation and their impact.

Yes, the institution has a research committee to monitor and address issues related to research.

Composition of the Research Committee:

Dr. Sushil Goswami	(Convener)
Dr. Satinder Verma	(Member)
Dr. Ashutosh Angiras	(Member)
Dr. Prem Singh	(Member)
Ms. Amandeep Kaur	(Member)

The Research Committee facilitates, monitors and addresses the issues of research. It motivates the faculty members to send proposals for Major/Minor research Projects, Seminars, Conferences and Workshops.

- **General Working of the Research Committee:**
  - The Research Committee motivates and provides guidance to faculty members.
  - The Faculty Members consult the committee for the publication of their Research Articles. The Committee checks these articles and forwards them to journals of repute.
  - It helps the faculty members to identify relevant topics/fields for applying Major and Minor Research Projects.

- The Committee also helps in short listing various agencies for funding of seminars and conferences.

- **Recommendations of the Research Committee:**

  - To ensure better internet connectivity.
  - To enrich library resources for research.
  - To send proposals to UGC, New Delhi/ICSSR/DGHE for organization of National Level Seminars/Workshops/Conferences.
  - To honor PhD Awardees during the Annual Prize Distribution Function of the College.
  - To provide financial assistance to the faculty members (TA/DA) for presenting Research Papers in Seminars/Workshops/Conferences.
  - To conduct workshops related to Research Methodology/Tools.

- **Impact of Recommendations of the Research Committee:**

  - 98% of faculty members have attended Seminars/ Conferences/ Workshops during the last four years.
  - Substantial increase in research publications with a total number of 488 research papers published by the faculty in the last four years.
  - The college organized 40 Seminars/ Conferences/ Workshops during the last four years.
  - The entire college campus is now Wi-Fi.
  - More faculty members have registered for Ph.D. in the last four years.
  - 10 faculty members have completed Ph.D. in the last four years.
  - Ph.D. Awardees are honored at the Annual Prize Distribution Function of the College.
  - Increase in use of INFLIBNET by the faculty.
  - Timely completion of Research Projects by students under UGC, New Delhi BSR Scheme.

- This year the University Grants Commission, New Delhi has sanctioned 11 Minor Research Projects to faculty members out of the 20 applied for.

3.1.3 What are the measures taken by the institution to facilitate smooth progress and implementation of research schemes/ projects?

Autonomy to the principal investigator

The Principal Investigator is provided full autonomy in carrying out his/her research activities. She/he is given complete freedom to utilize the sanctioned amount as per UGC /Concerned agency norms.

Timely availability or release of resources

The college is committed to the needs of the researchers in terms of timely availability and release of resources. It is ensured that they do not face any hassles or red-tapism in this regard.

Adequate infrastructure and human resources

- The Principal Investigator is free to use the Library and Laboratory facilities apart from other infrastructural set up.
- Wherever required, the Principal Investigator is provided with technical/non-technical support.

Time-off, reduced teaching load, special leave etc. to teachers

Teachers are encouraged to apply under the Faculty Improvement Program (FIP) of the UGC, New Delhi. Prof. Jaideep Chauhan availed two-year study leave under the said program and Mr. Gurvinder Singh from Dept. of Physics is on a two-year study leave under FIP to complete research work. Moreover, special leave is also provided to the teachers to complete their research work.

Support in terms of technology and information needs

- The institution provides complete support services to the Investigators in terms of ICT resources like laptops, Broadband Internet, WI-FI, Printing Facilities and Library Resources.
- All departments have been provided with computers and printers.
- Laptops are provided to individual teachers who are engaged in research work.

Facilitate timely auditing and submission of utilization certificate to the funding authorities

- The institution facilitates timely audit by a qualified CA and submission of the Utilization Certificate to the Funding Authorities.

Any other: NIL

3.1.4 What are the efforts made by the institution in developing scientific temper and research culture and aptitude among students?

The institution makes the following endeavors in developing scientific temper and research culture and aptitude among students:

- BSR Projects have been awarded to the students of Science stream as detailed below:

Students' Projects under BSR

Department	No. of Projects awarded to Students			Amount (Rs.)
	2012-13	2014-15	Total	
Botany	06	06	12	60,000/-
Zoology	06	06	12	60,000/-
Chemistry	06	06	12	60,000/-
Comp. Sc.	06	08	14	60,000/-
Electronics & IT	06	06	12	60,000/-
Home Science	06	02	08	40,000/-
Mathematics	06	05	11	60,000/-
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Students' Projects (Outside the Institution) for the Session 2015-16

Name of Class	No. of Projects
B. Voc(SD)	33
B.Com(CAV)	66
B. Sc (Home Sc.)	20
M. Sc (App. Phy.)	42
Commerce	378

- Exhibitions on Science, working/non-working models are organized regularly.
- Associations and Departments organize various competitions such as Quiz, Declamation Contests, etc. on science based themes.
- Visits to industries and research institutes.
- Extension Talks by Experts.
- Botanical and Zoological Excursions for Field Studies.

3.1.5 Give details of the faculty involvement in active research (Guiding student research, leading Research Projects, engaged in individual/collaborative research activity, etc.)

The faculty is actively involved in regular research work:

No. of faculty members with Ph.D.	38 Permanent: 32 Temporary: 06
No. of Faculty Members pursuing Ph.D.	08
No. of Faculty completed Minor Research Projects	07
No. of Faculty with ongoing/sanctioned Minor Research Projects	12
No. of completed Major Research Projects	02

3.1.6 Give details of workshops/ training programmes/ sensitization programmes conducted/organized by the institution

with focus on capacity building in terms of research and imbibing research culture among the staff and students.

Sno.	Session	Workshop/FDP
1.	2011-12	Workshop: Computational Sanskrit
2.	2011-12	Workshop: Electronic Media & Animation
3.	2013-14	FDP: Applied Indian Psychology
4.	2013-14	FDP: Computational Sanskrit
5.	2013-14	FDP: Human Rights
6.	2014-15	Workshop: Personality Analysis through Astrology
7.	2014-15	Workshop: Developing Vedic Gross National Happiness Index
8.	2014-15	Workshop: Radio Chemistry & Applications of Radio Isotopes
9.	2014-15	Workshop on Android Development
10.	2014-15	Workshop on Linux
11.	2014-15	Workshop on MATLAB, SPSS
12.	2014-15	Workshop on Computational Physics
13.	2014-15	Workshop on TEXNOXIAN
14.	2014-15	Workshop on PHP
15.	2015-16	FDP: Photoshop, Flash & VB Database Connectivity
16.	2015-16	FDP: Blog Development & Web Hosting
17.	2015-16	FDP: Java
18.	2015-16	FDP: Search Engine Optimization
19.	2015-16	FDP: ICT
20.	2015-16	Workshop: Current Development in Mathematics & Computer Sc.
21.	2015-16	National Workshop: Chemistry-Biology Interface: Opportunities and Challenges
22.	2015-16	FDP: Research Methodology
23.	2015-16	Workshop on SPSS

3.1.7 Provide details of prioritized research areas and the expertise available with the institution.

Faculty Members who possess Ph.D. have a prioritized research area in which they can guide the Research Scholar. They are also competent to supervise M. Phil. dissertations. Two of our faculty members, namely Dr. Ramesh Kumar Madan and Dr. Ashutosh Angiras are actively engaged by various Universities, Agencies, Institutes and other Research Bodies in providing expertise in Research in their respective areas of specialization. The following table shows the areas of expertise available:

Faculty-wise Research Area

S.No.	Faculty	Subject	Research Area
1.	**Dr. Rajinder Singh**	Electronics	Solid State Physics and Semiconductors
2.	**Dr. Sushil Kansal**	English	Indian Writing in English
3.	**Dr. Sunil K.Sharma**	Physics	Condensed Matter Physics
4.	**Dr. Ashutosh Angiras**	Sanskrit	Sanskrit Literature & Philosophy
5.	**Dr. Alka Sharma**	English	Indian Writing in English
6.	**Dr. Uma Sharma**	Sanskrit	A Critical Study of the Rig Veda
7.	**Dr. Ramesh Kumar**	Political Sc.	Indian Political System & State Politics in India
8.	**Dr. Vijay Sharma**	Hindi	हिंदी के उपन्यासों में नारी चित्रण
9.	**Dr. Naveen Gulati**	Mathematics	Operational Research
10.	**Dr. Shashi Rana**	Phy.Education	A Study of Physical Fitness of Anganwadi Children
11.	**Dr. Divya Jain**	Botany	Plant Physiology
12.	**Dr. Dharam Bir**	Physics	Cluster decay and Cold Fission in Heavy Ions
13.	**Dr. Paramjeet Kaur**	Music (Inst.)	Sikh Devotional Music
14.	**Dr. Roshan Lal**	Physics	Material Science
15.	**Dr. Sushil Kumar**	Chemistry	Material Science
16.	**Dr. Saryu Sharma**	Hindi	ललित निबंधों में मिथ्कियी चेतना
17.	**Dr. Sandeep Kumar**	Hindi	हिंदी गध्यविधा में साक्षात्कारका विश्लेषण
18.	**Dr. Prem Singh**	Physics	Nuclear Physics
19.	**Dr. Sonika Sethi**	English	Postcolonial Literature & Historical Fiction
20.	**Dr. Harvinder Kaur**	Economics	Macro Economics and Econometrics
21.	**Dr. Satinder Verma**	English	American Poetry
22.	**Dr. Joginder**	Chemistry	Inorganic Chemistry
23.	**Dr. Jai deep Chauhan**	English	Indian Writing in English
24.	**Dr. Krishan Kumar**	Physics	Theoretical Condensed Matter Physics
25.	**Dr. Jai pal**	Chemistry	Inorganic Chemistry with Special reference to Polymer Science
26.	**Dr. Chiman Lal**	Political Sc.	Indian Government & Politics
27.	**Dr. Leena Goyal**	Hindi	हिंदी के आंचलिक उपन्यासों में वर्ग चेतना
28.	**Dr. Nirvair Singh**	Punjabi	Medieval Punjabi Literature
29.	**Dr. Madan Rathi**	History	Regional Identity of Haryana
30.	**Dr. Madhu Sharma**	Music (Vocal)	Folk & Spiritual Music of Garhwal
31.	**Dr. Sonia Batra**	Zoolgy	Reproductive Physiology
32.	**Dr. Balesh Sharma**	Library Sci.	A Study of emotional intelligence, job satisfaction and organizational commitment among library professionals.
33.	**Dr. Renu Sharma**	Commerce	Financial Accounting, Marketing, Banking
34.	**Dr. Ekta Anand**	Commerce	Marketing

35.	**Dr. Anju Sharma**	Hindi	**जीवनी परख उपन्यास**
36.	**Dr. Samiksha Verma**	Physics	Magnetic Materials (Soft and Hard Ferrites) and Microwave Devices
37.	**Dr. Anita Kumari**	Economics	Sustainable Economic Development
38.	**Dr. Meenu Walia**	Bio-Technology	Agricultural Microbiology and Molecular Biology

3.1.8 Enumerate the efforts of the institution in attracting researchers of eminence to visit the campus and interact with teachers and students?

The institution is highly committed to develop scientific temper among its staff and students. A number of Extension/ Guest lectures are organized by the Departments and Subject Associations by Experts in their respective fields. The college regularly organizes Seminars/Workshops on emerging/current areas to involve Scientists/Experts from different fields to interact with the students and faculty members.

A list of some of the Eminent Researchers and Academicians is given below:

1. Dr. B. N. Jagtap, Director, Chemistry Group, BARC, Mumbai.
2. Dr. K. L. Ramkumar, Director, Radio Chemistry and Isotope Group, BARC Mumbai.
3. Dr. A. V. Reddy, Head, Analytical Chemistry Division, BARC, Mumbai.
4. Dr. P. C. Kalsi, Analytical Chemistry Division, BARC, Mumbai.
5. Dr. T. Krair, BARC, Mumbai.
6. Dr. J. Bhatt, BARC, Mumbai.
7. Dr. Dinesh Kumar, Principal Scientist, ICAR, New Delhi.
8. Dr. Rekha Sharma,Principal Scientist, NBAGR, Karnal.
9. Dr. Adesh Sharma, Senior Scientist, NDRI, Karnal.
10. Dr. Anuj Kumar, Scientist, NDRI (Karnal).
11. Dr. Tankeshwar, VC, G. J. U. of Science and Technology, Hisar.
12. Prof. Ajay Gupta, Former Centre Director, UGC, New Delhi-DAE Consortium for Scientific Research, Indore.
13. Prof. Anand Kumar Bacchawat, Biological Sciences, IISER Mohali.
14. Prof. PV Bhartam, Biochemical Sciences, NIPER, Mohali.
15. Dr. Girish Nath Jha, Associate Professor, JNU New Delhi.
16. Dr. Andrew W. Hay, Jindal Global University, Sonepat.
17. Dr. Ramjiwari, Associate Professor, Department of Mathematics, IIT, Roorkee.
18. Prof. Raj Rani Bhargav, Professor, IIT, Roorkee.
19. Dr. Aditya Kaushik, Associate Professor, Panjab University, Chandigarh
20. Prof. Madhubala Saxena, Delhi Univ.
21. Prof. Paramvir Singh, HoD, Dept. of Encyclopaedia of Sikhism, P.U. Patiala.
22. Dr. Kamini Khanna, Associate Professor, Bharti Vidya Peeth, Mumbai.
23. Prof. S. K. Chadha, UBS, Panjab University, Chandigarh.
24. Prof. Sanjay Kaushik, UBS, Panjab University, Chandigarh.

25. Prof. Raghuvendra Tanwar, Dean, Academics, KUK.
26. Prof. Radhey Shyam Sharma, VC, CDLU.

3.1.9 What percentage of the faculty has utilized Sabbatical Leave for research activities? How has the provision contributed to improve the quality of research and imbibe research culture on the campus?

3.8 % of faculty members have utilized Sabbatical Leave for research activities during the last four years.

- Prof. Jaideep Chauhan was sanctioned two-year study leave under FIP of the UGC for doing Ph.D.
- Prof. Gurvinder Singh, Assistant Professor in Physics has been sanctioned two-year study leave under FIP of the UGC for doing Ph.D. during the session 2016-17.

The liberal approach of the institution to encourage and allow faculty members to avail Study Leave under the UGC scheme of FIP helps to develop a culture of research in the campus.

3.1.10 Provide details of the initiatives taken up by the institution in creating awareness/advocating/transfer of relative findings of research of the institution and elsewhere to students and community (lab to land)

A number of Research Papers are published by the faculty members in journals of National and International repute which in turn benefit the students and community in general.

Dr. Prem Singh (Dept. of Physics)

- Published a research paper on "Groundwater Quality Analysis of Safidon and Julana Blocks of District Jind, Haryana, India".
- Published a research paper on "Physio-Chemical Analysis of Water Samples of Kurukshetra District" published in Proceedings of the International Conference on "Emerging Trends in Physics for Environmental Monitoring and Management" held at Punjabi University, Patiala on Dec. 17-19, 2012.

Dr. Divya Jain & Prof. Sumit Chhibber (Dept. of Botany)

- Published a research paper on "Inter correlation studies among yield and its contributing traits in Bread Wheat genotypes grown in Haryana, India."
- Published a research paper on "Morphological Diversity and Agronomic Performance of Bread Wheat Genotypes grown in Haryana, India".
- They also visit local farmers and interact with them, make them aware of the new released seed varieties of crops, optimum use of fertilizers and pesticides. Farmers are encouraged to use bio-fertilizers and bio-pesticides. They are also given guidance about water conservation, composting and vermi-composting.
- As part of their project, students of B.Sc. (Med) also studied various plant diseases affecting the local crops. This helps them to identify the local problematic plant pathogens and their remedies. This was quite helpful in suggesting certain control measures to the crop growers.

Dr. Jai Pal (Dept. of Chemistry)

- Published a research paper titled "Chemometric Studies of Water-Quality Parameters of Drinking Water: A Case Study of Narwana City, Haryana (India)".
- Published a research paper titled "Physio-Chemical Analysis of Underground Water of Bhiwani City."
- Published a research paper titled "Chemometric Studies of Water Quality: Parameters of Rural Areas of Hisar City, Hansi City and Uklana City."

Ms. Shreshtha (Dept. of Home Science)

- Published a research paper on 'Impact of Health Education on Rural Adolescent Girls of Haryana'.
- Published a research paper on 'A Comparative Study on Nutrient Contents and Anti-Nutritional Parameters present in Red Gram Dal cultivated by Organic and Inorganic Farming Methods'.
- Published a research paper on 'Efficacy of Iron-Folic Acid Supplementation and Nutrition Education on Iron Status of Anemic School Students of Kurukshetra, Haryana'.

3.2 Resource Mobilization for Research

3.2.1 What percentage of the total budget is earmarked for research? Give details of major heads of expenditure, financial allocation and actual utilization.

In the last six years, the institution has utilized the financial grant for research received under CPE Phase I and II in the best possible manner as per the needs of the stakeholders. The following Table shows the amount (in Rs.) spent for research during last four years:

SNo.	Particulars	2012-13	2013-14	2014-15	2015-16
1	Library E-Resources	5,000/-	5,000/-	5,000/-	5,000/-
2	Journals	64,620/-	93,997/-	66,216/-	94,231/-
3	Equipment	976864	43,164/-	1037672/-	—
4	Assistance to teachers to attend Seminars	1,48,000/-	1,48,290/-	1,92,957-	1,01,414/-
5	Seminars/Conferences	30,000/-	30,000/-	30,000/-	1,00,000/-

3.2.2 Is there a provision in the institution to provide seed money to the faculty for research? If so, specify the amount disbursed and the percentage of the faculty that has availed the facility in the last four years?

- The institution is in the process to make seed money available to the faculty for research.
- The institution takes care of the Registration Fee and TA/DA of faculty

members attending Seminars/Conferences/Workshops.

3.2.3 What are the financial provisions made available to support student research projects?

The institution processes and disburses the grant received from the UGC from time to time for students' projects under BSR Scheme. The college received a total financial assistance of Rs. 4,80,000/- (Rs. 30,000/- x 8 Depts. twice) from the UGC for the sessions 2012-13 and 2014-15 details of which are provided in 3.1.4.

3.2.4 How does the various departments/units/staff of the institute interact in undertaking inter-disciplinary research? Cite examples of successful endeavors and challenges faced in organizing interdisciplinary research.

The College runs interdisciplinary courses like M.Com.-IT, in which faculty from different departments interact with each other leading to inter-disciplinary research. To promote inter-disciplinary research, the College organizes inter-disciplinary seminars.

Inter-Disciplinary Seminars organized by the College

SNo	Title of Seminar/ Conference/Workshop	Funding Agency	Amount Sanctioned (Rs.)	Date
1.	One day National Seminar on "Computational Sanskrit - Issues and Challenges"	DGHE, Haryana	1,00,000/-	20-21 Dec, 2013
2.	One Day National Workshop on "Current Developments in Mathematics & Computer Science."	UGC, New Delhi	1,00,000/-	18 Mar, 2016
3.	One Day National Seminar on "Strategic Role of Information Technology in Empowering Commerce"	UGC, New Delhi	1,00,000/-	16 Mar, 2016
4.	One Day National Seminar on "Consciousness as Life Principle in Sanskrit Tradition and life Sciences: Looking for an Integrated Approach"	Haryana Skt. Academy, Panchkula	50,000/-	30 Aug, 2012
5.	One Day National Seminar on "Chemistry-Biology Interface: Opportunities and Challenges"	UGC, New Delhi	1,00,000/-	12 Mar, 2016
6.	One Day National Seminar on "Black Holes in Indian History"	National Council of Historical Research and Comparative Study, Panchkula	15,000/-	9 May, 2015
7.	One Day Workshop on "Computational Physics"	S.D. College, A/Cantt.	10,000/-	30-31Mar 2015
8.	One Day National Seminar on "Vedic Sciences & Principles of Physics"	S.D. College, A/Cantt.	5000/-	17 Sep 2014

9.	One Day National Seminar on "History & Philosophy of Indian Armed Revolution:1857 to 1947"	Bharat Vikas Parishad, Ambala	20,000/-	24 Oct 2015
10.	One Day Workshop on "Metaphysics & Panch Mahayagya– Theory & Practice"	Haryana Sahitya Academy, Panchkula	40,000/-	26 Sep 2014
11.	One Day National Seminar on "Philosophic Foundation of Lokpal and Role of Media: Past, Present and Future"	UGC	80,000/-	9 Mar 2013

3.2.5 How does the institution ensure optimal use of various equipment and research facilities of the institution by its staff and students?

The authorities ensure that the staff and students of the college have:

- Free access to the library and its printed and e-resources
- Staff members can enjoy full autonomy to access the research facilities and available resources even in vacations.
- Free internet facility and download facility to staff as well as students help them access online resources for their research activities.

3.2.6 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facility? If 'yes' give details.

- The college received funding under various schemes from government funding agencies like UGC, ICPR, DGHE, ICSSR and many others. The details of funding received is as follows:

Scheme & Funding Agency	Session	Department	Research Facility	Amount Spent(Rs)
UGC, New Delhi under BSR-Scheme	2012-13	Physics	Lab Power Supply	44124.00
			Lab Working Tables	106340.00
			Up-gradation of Laboratories (Instruments)	130099.00
			Safety Equipment	38994.00
		Chemistry	Lab Power Supply	38559.00
			Lab Working Tables	32900.00
			Up-gradation of Laboratories (Instruments)	63047.00
			Safety Equipment	38994.00
			Fume Hoods	193444.00
		Maths	Lab Power Supply	40773.00
			Lab Working Tables	121853.00
			Up-gradation of Laboratories (Instruments)	97587.00

			Safety Equipment	31935.00
		Electronics	Lab Power Supply	49007.00
			Lab Working Tables	120149.00
			Up-gradation of Laboratories (Instruments)	115684.00
			Safety Equipment	38994.00
		Botany	Lab Power Supply	45754.00
			Lab Working Tables	81200.00
			Up-gradation of Laboratories (Instruments)	73894.00
			Safety Equipment	49752.00
		Zoology	Lab Power Supply	43989.00
			Lab Working Tables	102273.00
			Up-gradation of Laboratories (Instruments)	110957.00
			Safety Equipment	55305.00
		Home Science	Lab Power Supply	41884.00
			Lab Working Tables	96081.00
			Up-gradation of Laboratories (Instruments)	112731.00
			Safety Equipment	38994.00
		Computer Science	Lab Power Supply	46397.00
			Lab Working Tables	142133.00
			Up-gradation of Laboratories (Instruments)	145187.00
			Safety Equipment	38994.00
	2014-15	Physics	Lab Power Supply	83763.00
			Lab Working Tables	73694.00
			Up-gradation of Laboratories (Instruments)	99679.00
			Safety Equipments	29627.00
		Botany	Lab Power Supply	80179.00
			Lab Working Tables	98724.00
			Up-gradation of Laboratories (Instruments)	78446
			Safety Equipment	42252.00
		Chemistry	Lab Power Supply	51856.00
			Lab Working Tables	71755.00
			Up-gradation of Laboratories (Instruments)	67600.00
			Safety Equipment	42252.00
		Maths	Lab Power Supply	34034.00
			Lab Working Tables	87582.00

			Up-gradation of Laboratories (Instruments)	67600.00
			Safety Equipment	29627.00
		Electronics	Lab Power Supply	67571.00
			Lab Working Tables	68652.00
			Up-gradation of Laboratories (Instruments)	86485.00
			Safety Equipment	29627.00
		Computer Science	Lab Power Supply	67940.00
			Lab Working Tables	68652.00
			Up-gradation of Laboratories (Instruments)	67600.00
			Safety Equipment	29627.00
		Zoology	Lab Power Supply	20158.00
			Lab Working Tables	77221.00
			Up-gradation of Laboratories (Instruments)	78446.00
			Safety Equipment	42252.00
		Home Science	Lab Power Supply	27884.00
			Lab Working Tables	68682.00
			Up-gradation of Laboratories (Instruments)	441816.00
			Safety Equipment	54062.00
CPE Phase-I	2013-14	—	Computer, Laptops, Printers	43164
		—	Workshops/Seminars	192957.5
Major Research Project (Dr. Ashutosh Angiras)	2011-12	Sanskrit	Equipment, Books and Journals	1,00,000.00
Minor Research Project (Dr. Divya Jain)	2011-12	Botany	Equipment, Books & Journals	63788.00
Minor Research Project (Dr. Sushil Kumar)	2011-12	Chemistry	Equipment	1,16,863/-
Minor Research Project (Dr. Sonika Sethi)	2011-12	English	Equipment Books	40000 40779
Minor Research Project (Dr. Chiman Lal	2011-14	Political Science	Books and Journals	11426

2011-14)				
Dr. Prem Singh 2011-12	2011-12	Physics	Equipment	80000

- Apart from UGC, which is the main funding agency for research in the form of Major& Minor research projects, a few other grants have also been received from Haryana Sanskrit Akademi, Panchkula; Maharishi Sandipini Ved Vidya Pratishthan, Ujjain under HRD Ministry and ICPR, New Delhi.
- Received a grant of Rs.30,000/- for books on Philosophy from ICPR, New Delhi.
- Received a grant of Rs.40,000/- for Vedic Classes sponsored by Maharishi Sandipini Ved Vidya Pratishthan, Ujjain under HRD Ministry, GOI.

3.2.7 Enumerate the support provided to the faculty in securing research funds from various funding agencies, industry and other organizations. Provide details of ongoing and completed projects and grants received during the last four years.

The College provides all possible help in securing research funds by:

- Motivating the faculty to apply for research projects
- Making them aware about various funding agencies.
- Providing technical support to apply online research projects.
- Helping the teachers to send utilization certificates on time.
- The institution has a special Standing Committee: UGC Proposal Committee to facilitate the faculty in securing various Research Grants and Funds from Govt. and Non-Govt. organizations. As a result of their efforts, the college has been able to make significant progress in the area of research after Cycle-II of the Accreditation.

List of Minor Research Projects

S.No	Faculty	Session	Status	Title	Agency	Amount Sanctioned	Amt Spent (Rs)
1.	**Divya Jain**	2010-11	C	Ecology, Status and Decline of Indian Peafowl (*Pavo cristatus*) due to modern agricultural practices in Haryana.	UGC, New Delhi	1,00,000/-	97, 500/-
2.	**Chiman Lal**	2011-12	C	Socio-Political Foundations of Lok-Pal and Role of Media in Peoples' Movements Respectively.	UGC, New Delhi	2,00,000/-	2,00,000/-
3.	**Sushil Kumar**	2011-12	C	"Spectrophotometric determination of Various Elements in trace amounts."	UGC, New Delhi	2,00,000/-	1,41,569/-

4.	**Jai Pal**	2011-12	C	Synthesis, Characterization and catalytic potentials of immobilized metal bound polymers.	UGC, New Delhi	2,00,000/-	1,85,000/-
5.	**Rajinder Singh**	2012-13	O	Estimation of Natural Radio activity around Limestone Mining areas in Lesser Himalayan Regions in Himachal Pradesh.	UGC, New Delhi	97,500/-	Ongoing Project
6.	**Sonika Sethi**	2011-12	C	Postmodern Strains in the Fiction of Rohinton Mistry.	UGC, New Delhi	1,20,000/-	1,00,000/-
7.	**R. L. Dhiman**	2012-13	C	Synthesis and characterization of SnO2 based Nano-particles for Gas Sensor Applications.	UGC, New Delhi	1,80,000/-	1,80,000/-
S.No	**Faculty**	**Session**	**Status**	**Title**	**Agency**	**Amount Sanctioned**	**Amt Spent (Rs)**
8.	**Prem Singh**	2012-13	C	Physio-Chemical and Energy dispersive X-ray fluorescence characterization of Water samples from different areas of Haryana (India).	UGC, New Delhi	1,80,000/-	1,80,000/-
9.	**Joginder Rohilla**	2015-16	A	Chemometric Studies of Water Quality Parameters of Drinking Water of Rural Areas of Ambala(Haryana).	UGC, New Delhi	2,40,000/-	—
10.	**Jai Pal**	2015-16	A	Physiochemical studies of soil of rural areas of Ambala (Haryana).	UGC, New Delhi	2,00,000/-	—
11.	**Gulshan Singh**	2015-16	A	Synthesis of 6-aryl-N'-(2-(thiophen-2-yl)ethyl)/4-substitutedbenzylimidazo[2, 1-b]thiazole-3-carboxamides and their biological exploration.	UGC, New Delhi	1,65,000/-	—
12.	**Harvinder Kaur**	2015-16	A	Socio-Economic Conditions of Migratory Labour in Haryana: A Case Study of District Kurukshetra.	UGC, New Delhi	1,85,000/-	—
13.	**Satinder Verma**	2015-16	A	Gandhian Philosophy and the Democratic, Cultural and Racial Concerns in the Poetry of Langston Hughes.	UGC, New Delhi	1,40,000/-	—
14.	**Shreshtha Muraal**	2015-16	A	Assessment of Nutritional Care and Food Service Quality in Public and Private Hospitals of North India.	UGC, New Delhi	3,00,000/-	---
15.	**Madhu Sharma**	2015-16	A	Bhartiya Chitrapat Sangeet par Pashchatya Sangeet Vadyon Tatha Takniki Gyan Ke Prabhaav Ka Samikshatmak Adhyayan.	UGC, New Delhi	2,25,000/-	---
16.	**R. L. Dhiman**	2015-16	A	Synthesis, Characterization and Photocatalytic application of doped metal oxide nanostructures.	UGC, New Delhi	2,45,000/-	---

17.	**Krishan Kumar**	2015-16	A	Finite Temperature Exchange Correlation Effects in Coupled Quantum Well Structures.	UGC, New Delhi	4,00,000/-	**---**
18.	**Ramesh Kumar**	2015-16	A	A theoretical Study to some Physical Potentials in Higher Dimensions.	UGC, New Delhi	3,00,000/-	**---**
19.	**Satbir Singh**	2015-16	A	Service Quality Assessment of various colleges of Ambala: A SERVQUAL Model Analysis.	UGC, New Delhi	1,20,000/-	**---**

*** C- Completed, A-Approved, O-Ongoing**

Major Research Projects

SNo	Faculty	Topic	Session	Agency	Amount (Rs.)
1.	Dr. Ashutosh Angiras	Applied Indian Psychology — A Study of Fundamental Concepts of Applied Technology (submitted)	2011-12	UGC, New Delhi	4,50,000/-
2.	Dr. Ashutosh Angiras	A Study of Fundamental Concepts of Modes & Functioning Systems of Mind in Sanskrit Literature (on-Going)	2015-16	UGC, New Delhi	3,70,000/-

3.3 Research Facilities

3.3.1 What are the research facilities available to the students and research scholars within the campus?

Students and Research Scholars have full access to all the facilities available in the Library and Laboratories. The following equipments are available in the labs for effective research:

1. Compound Microscope, TLC Apparatus, Autoclave, BOD Incubator with Shaker, Centrifuge Machine, Ultra Machine, Microwave Oven, Laminar Air Flow, Magnetic Stirrer, Hot Air Oven, pH Meter, Digital UV Spectrophotometer, Water Bath with Shaker, Weighing Balance, Vertex Shaker, V Transilluminator, Deep Freezer, Distillation Plant.
2. A well stocked and maintained Botany Museum containing 110 species of plants.
3. Access to E-Journals & E-Resources.
4. Fully Wi-Fi Campus with download facility.

3.3.2 What are the institutional strategies for planning, upgrading and creating infrastructural facilities to meet the needs of researchers, especially in the new and emerging areas of research?

The institution adopts the following strategies to facilitate infrastructural facilities:

- To fulfill infrastructural needs.
- To motivate the faculty to undertake research projects under which equipments are purchased.
- Research committee is committed to upgrade and provide INFLIBNET facilities.

3.3.3 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facilities?? If 'yes', what are the instruments / facilities created during the last four years.

The following Table shows the instruments / facilities created during the last four years from special grants or finances received from industry or other beneficiary agencies for development of research facilities:

S.No.	Funding Agency	Research Instruments /Facility
1	UGC, New Delhi under BSR Scheme	Computers, Fridge, ABC Dr. Power Safety, Microwave Oven, Gieger country system,end window GM detector, B Radio, CRO/Digital Multimeter/ KVA Double Conversion IGBT Basell Dual Mircroprosser controlled true on line UPS, Automatic Distillation Apparatus, GM Counter Setup, Spectrometer Long Tube, Spectrophotometer UV-VIS with Software, pH meter, Water Testing Chemical Kit, Fume Hood, Binocular Research Microscope, Digital Weighing Balance, Reading Telescopes.
2.	CPE Phase-I	Computers, Printers, Laptops, Computer Accessories.
3.	Minor Project Dr. Diva Jain (Botany)	Camera (D-5000 SLR Body) & Tamron Zoom Lens (18-250 mm).
4.	Minor Project Dr. Prem Singh (Physics)	Water and Soil Analysis kit, glass equipment, equipment for EDXRF data analysis, hot air oven to dry water samples for EDXRF analysis, hot plate 16"x10" for water heating and beaker.
5.	Minor Project Dr. Sushil Kumar (Chemistry)	Visible double beam spectrophotometer with software (Icon), Electrical Single Pan Balance, pH meter.

- Apart from UGC which is the main beneficiary agency for research in the form of Major and Minor research projects, a few other grants were also received. These include Haryana Sanskrit Academy, Panchkula; Maharishi Sandipini Ved Vidya Pratishthan, Ujjain under HRD Ministry and ICPR, New Delhi.

- Received a grant of Rs.30,000/- for books on Philosophy from ICPR, New Delhi.

- Received a grant of Rs.40,000/- for Vedic Classes sponsored by Maharishi Sandipini Ved Vidya Pratishthan, Ujjain under HRD Ministry, GOI.

3.3.4 What are the research facilities made available to the students and research scholars outside the campus / other research laboratories?

Being an affiliated college with majority of the programs leading to Undergraduate Degree, the scope of research is somewhat limited. However, the institution encourages Scientific Temper and motivates students to take up Basic Science Research Projects. The following activities are regularly conducted to foster a spirit of Research:

- Excursion Trips by Life-Sciences Departments
- Visits to Industrial Units
- Field Trips
- In addition to the above, 16 MoUs have been signed with industry to give exposure to the students.

3.3.5 Provide details on the library/ information resource center or any other facilities available specifically for the researchers?

Researchers enjoy full autonomy and have access to all facilities of the library especially:

- INFLIBNET
- Reference Section
- Print Journals
- E-Journals
- E-Kiosks
- Bibliographical Services
- Computational Facility
- Printing, Scanning, Xeroxing & Binding

3.3.6 What are the collaborative research facilities developed/ created by the research institutes in the college? For ex. Laboratories, library, instruments, computers, new technology etc.
NIL

3.4 Research Publications and Awards

3.4.1 Highlight the major research achievements of the staff and students in terms of

- **Patents obtained and filed (process and product):** NIL
- **Original research contributing to product improvement:** NIL
- **Research studies or surveys benefiting the community or improving the services:**

From time to time, the members of different faculties of Science conduct surveys and research studies which go a long way in benefitting the

community and help in improving the life of the common man. Details of such activities done during the last five years are as follows:

Dr. Prem Singh (Dept. of Physics)

- Published a research paper on "Groundwater Quality Analysis of Safidon and Julana Blocks of District Jind, Haryana, India".
- Published a research paper on "Physio-Chemical Analysis of Water Samples of Kurukshetra District" published in Proceedings of the International Conference on "Emerging Trends in Physics for Environmental Monitoring and Management" held at Punjabi University, Patiala on Dec. 17-19, 2012.

Dr. Divya Jain & Prof. Sumit Chhibber (Dept. of Botany)

- Published a research paper on "Inter correlation studies among yield and its contributing traits in Bread Wheat genotypes grown in Haryana, India."
- Published a research paper on "Morphological Diversity and Agronomic Performance of Bread Wheat Genotypes grown in Haryana, India".
- They also visit local farmers and interact with them, make them aware of the newly released seed varieties of crops, optimum use of fertilizers and pesticides. Farmers are encouraged to use bio-fertilizers and bio-pesticides. They are also given guidance about water conservation, composting and vermi-composting.
- As part of their project students of B.Sc. (Med) also studied various plant diseases affecting the local crops. This helped them to identify the local problematic plant pathogens and their remedies. This was quite helpful in suggesting certain control measures to the crop growers.

Dr. Jai Pal (Dept. of Chemistry)

- Published a research paper titled "Chemometric Studies of Water-Quality Parameters of Drinking Water: A Case Study of Narwana City, Haryana (India)."
- Published a research paper titled "Physio-Chemical Analysis of Underground Water of Bhiwani City."
- Published a research paper titled "Chemometric Studies of Water Quality Parameters of Rural Area of Hisar City, Hansi City and Uklana City."

Ms. Shreshtha (Dept. of Home Science)

- Published a research paper on 'Impact of Health Education on Rural Adolescent Girls of Haryana'.
- Published a research paper on 'A Comparative Study on Nutrient Contents and Anti-Nutritional Parameters present in Red Gram Dhal cultivated by Organic and Inorganic Farming Methods'.
- Published a research paper on 'Efficacy of Iron-Folic Acid Supplementation and Nutrition Education on Iron Status of Anaemic School Students of Kurukshetra, Haryana'.

Evidently, the above surveys have been of immense benefit to the community.

- Research inputs contributing to new initiatives and social development.
- Faculty publishes research papers related to agriculture, women empowerment, deprived sections of society which aim at upliftment of society.

3.4.2 Does the Institute publish or partner in publication of research journal(s)? If 'yes', indicate the composition of the editorial board, publication policies and whether such publication is listed in any international database?

The college publishes its own Research Journal titled Purva Mimaansa, which is a multi-disciplinary, bi-annual, research journal (Double-blind, Peer –reviewed) ISSN: 0976-0237. The college also publishes the proceedings of papers presented in National Seminars organized in the college with ISBN No.

The composition of the Editorial Board is as follows:

Editor — Dr. Ashutosh Angiras
Executive Editor — Dr. Balesh Kumar
Associate Editors — Prof. Rajeev C. Sharma
Member — Dr. Ramesh Madaan
Member — Dr. Alka Sharma
Member — Dr. Sushil Goswami

Publication Policy:

Purva Mimaansa is a Bi-annual Multi-disciplinary Research Journal of S.D. College (Lahore), Ambala Cantt published every year in the month of March and September. Submission of an article for publication in Purva Mimaansa implies that the work described has not been published earlier or under consideration for publication elsewhere. The College has zero-tolerance plagiarism policy. We check every issue using plagiarism prevention tool. The College reserves the right to publish or reject any contribution submitted for publication without assigning any reason. No Publication fee is charged from the contributors.

3.4.3 Give details of publications by the faculty and students:

No. of publication by the faculty	488
Number of papers published by faculty and students in peer reviewed journals (National / International):	379
Number of publications listed in International Database (for e.g. Web of Science, Scopus, Humanities International Complete, Dare Database-International Social Sciences Directory, EBSCO host, etc.)	134

Monographs	NIL
Chapter in Books	75
Books Edited & Authored	39
Citation Index	NIL
SNIP	0.465+1.469=0.967
SJR	0.164+0.123=0.143
Impact factor	Avg. 2.65
h-index	04 (2 Maths 4.8 + 2 Biotech 2.0)

❖ **Books with ISBN/ISSN numbers with details of publishers:**

SNo.	Name of Editor/ Author	Title	Name of Publisher ISBN/ISSN number
	Year of Publication: 2011		
1.	Dr. Naveen Gulati	Calculus	Jeevansons Publication, ISBN- 93-80896-01-8
		Elements of Business Mathematics Sem I	Jeevansons Publication, ISBN-93-80896-06-9
		Elements of Business Mathematics Sem II	Jeevansons Publication, ISBN-81-909538-4-2
2.	Dr. Rajinder Singh/ Prof. P. Mathur	Emerging Trends in Nanotechnology	Daksh Associates, ISBN-13-978-81-921380-9-1
3.	Dr. Alka Sharma (ed.)	Value Framework for Good Governance	New Delhi, ISBN-978-81-8455-280-5
		Revisiting History: Narratives from Past	New Delhi, ISBN-978-81-8455-279-9
4.	Dr. Sushil Kumar/ Dr. Jai Pal (ed.)	Chemistry in Our Lives	S. D. College, Ambala Cantt., ISBN-978-81-921380-8-4
	Year of Publication: 2012		
5.	Dr. Rajinder Singh/ Amandeep Mehta (ed.)	Emerging trends in Computer Industry	Parkash Computers Art ISBN- 978-81-92-1380-6-0
6.	Dr. Naveen Gulati	Elements of Mathematics	Jeevansons Publications ISBN-81-909538-1-8
	Year of Publication: 2013		
7.	Dr. Rajinder Singh/ Kavita Taneja	Computational Sanskrit:Issues & Challenges	Mahajan Enterprises ISBN- 978-93-82529-03-3
8.	Pooja Bajaj	Data Communication and Networks	Ishan Publications, Jalandhar ISBN-978-93-8155-177-6

9.	Dr. Nirvair Singh	Punjabi Kissa Kav Adhyan	Lokgeet Prakashan, Chandigarh, ISBN-978-93-5068-214-2
Year of Publication: 2014			
10.	Pooja Bajaj	RDBMS	Ishan Publications ,Jalandhar ISBN-978-93-8155-163-9
11.	Divya Jain/ Sumit Chhibber	Textbook of Environmental Studies	Unique Publications, Panipat. ISBN- 978-93-83861-13-2
12.	Dr. Paramjeet Kaur (ed.)	Role of Music in Indian Nationalism	Daksh Associates, Ambala Cantt., ISBN-978-93-82529-04-0
Year of Publication: 2015			
13.	Divya Jain/ Sumit Chhibber	Unique Tablet of Practical Botany (B.Sc.-I)	Unique Publications, Panipat. ISBN-978-93-83861-30-9
14.	Ms. Bindu Aggarwal	Online Marketing	Online ISBN-978-81-931613-9-5
15.	Dr. Roshan Lal (Co-author)	Properties of Matter, Kinetic Theory of Gases and Semiconductor Devices	Vijaya Publications, Ludhiana. ISBN- 978-81-928517-8-5
16.	Dr. Krishan Kumar (Co-author)	Graduates'Physics Practicals I	Raj & Sons Publishers, New Delhi
		Graduates'Physics Practicals II	Raj & Sons Publishers, New Delhi
		Graduates'Physics Practicals III	Raj & Sons Publishers, New Delhi
Year of Publication: 2016			
17.	Prof. P. Mathur/ Amandeep Mehta/ Dr. Renu Sharma (ed.)	Strategic Role of Information Technology in Empowering Commerce	Mahajan Enterprises, Ambala Cantt. ISBN-978-93-82529-06-04
18.	Sangharsh Saini	Fundamentals of Database System II	Self Published E-Book available on Amazon Kindle ISBN-978-93-5258-665-3
19.	Divya Jain/ Sumit Chhibber	Unique Tablet of Practical Botany (B.Sc II)	Unique Publications, Panipat. ISBN-978-93-83861-94-1
		Unique Tablet of Practical Botany (B.Sc III)	Unique Publications, Panipat. ISBN-978-93-83861-95-8

		Diversity of Microbes	A.S. Prakashan, Meerut. ISBN-938579560-0
20.	Dr. Jaideep Chauhan	Comparative English Literature	RBSA Publishers, Jaipur ISBN-978-81-7611-755-5.
21.	Dr. Krishan Kumar (Co-author)	Quantum Mechanics	A. S. Prakashan, Meerut ISBN-978-93-85795-527
		Quantum and Laser Physics	A. S. Prakashan, Meerut ISBN-978-93-85795-657
		Wave and Optics –I	A. S. Prakashan, Meerut ISBN-978-93-85795-51-0
22.	Ms. Shubhra Jindal	Entrepreneurship	Ishan Publications, Jalandhar ISBN-978-93-81551-69-1

Citation Index

Sr.No.	Name	Department	Citations
1.	Dr. Rajinder Singh	Electronics	**21**
2.	Dr. Sunil Sharma	Physics	**14**
3.	Dr. Prem Singh	Physics	**53**
4.	Dr. Krishan Kumar	Physics	**18**
5.	Dr. R.L. Dhiman	Physics	**82**
6.	Ramesh Kumar	Physics	**51**
7.	Gulshan Kumar	Chemistry	**18**
8.	Dr. Joginder Singh	Chemistry	**14**
9.	Dr. Sushil Goswami	Chemistry	**40**
10.	Dr. Jai Pal	Chemistry	**68**
11.	Dr. Kavita Taneja	Computer Science	**45**
		Total	**424**

3.4.4 Provide details (if any) of

❖ **Research awards received by the faculty**

- Dr. Ashutosh Angiras, Associate Professor in Sanskrit has been awarded Mahakavi Baana Bhatta Puruskar by Harayana Sanskrit Academy, Panchkula; Cash Prize of Rs. 51000/- and Citation.

❖ Recognition received by the faculty from reputed professional bodies and agencies, nationally and internationally:

Faculty members received the following recognitions/awards from professional bodies and agencies, nationally and internationally:

Academic Awards

1.	**Dr. Naveen Gulati**	• Awarded Silver Jubilee Award on 25th Anniversary Celebration of the book "Elements of Mathematics" by Indian Authors' Association. • Sarvashreshtha Shikshak Sammaan in Best Teachers Ceremony by Dainik Bhaskar in 2014 & 2015. • Award of Honour in International Conference on Contemporary Social Issues, ICCSI-16 by Department of Mathematics & Humanities, MMU, Mullana.
2.	**Dr. Paramjeet Kaur**	• Shiksha Rattan Puraskar & Citation by Dr. Bhisham Narayan Singh (Former Gov. of Assam and Tamil Nadu) through IIFS, Delhi.
3.	**Dr. Prem Singh**	• Awarded for Meritorious work in Academics by Maha Rana Partap Memorial Inter College, Shimlana, Saharanpur, U.P. in 2012.
4.	**Ms. Rubi**	• Awarded Best Paper Presenter in International Conference in International Podar College, Jaipur in 2016.
5.	**Dr. Kavita Taneja**	• Awarded "Shiksha Rattan Puraskar" for contribution in the field of Education, Research and Academics.
6.	**Dr. Vijay Sharma**	• Presented Best Teacher Award for her meritorious work in Academics by *Dainik Bhasker* Newspaper on 30-10-2014. • Presented Women Achievement Award for her meritorious work in Academics by *Dainik Bhasker* Newspaper.

3.5 Consultancy

3.5.1 Give details of the systems and strategies for establishing institute-industry interface?

Advisory committee of the college along with Heads of the Departments develops and plans strategies for establishing institute- industry interface for academic training as per industry needs. The institution also has a fully functional Placement Cell and Career Guidance Cell, both of which work actively for establishing Institute-Industry Interface for training and placements of students. Till date, the institute has MoUs with the following for establishing Institute-Industry Interface:

1. Ameo Tech Informatics, Mohali (Punjab), India
2. G Tech Informatics, Ambala Cantt
3. Silex Softwares Private Limited, Ambala Cantt
4. The Jobs Express, Ambala Cantt
5. The Vertical Recruiters, New Delhi
6. Web Spin Technologies, Panchkula (Haryana)
7. Sebiz Infotech Ltd., Mohali (Punjab), India
8. NETSMARTZ House Chandigarh

9. Xport Soft Technologies Private Ltd., AmbalaCantt
10. Consortium for Educational Communication, New Delhi
11. Indian Institute of Technology (IIT), Bombay
12. IT-ITES Sector Skills Council NASSCOM, Delhi
13. Tally Institute of Learning, M.G.M Education, Ambala City
14. Big Bazaar, Ambala Cantt
15. Hero Honda, Ambala Cantt
16. Nikunj Motors, Ambala Cantt

3.5.2 What is the stated policy of the institution to promote consultancy? How is the available expertise advocated and publicized?

Honorary Consultancy is provided by many Faculty Members and Departments to other institutions and agencies as detailed below:

Sno	Faculty Member	Area/Type of Consultancy
1.	**Dr. Ramesh Madaan**	Political Analyst, Politics of Haryana, Constitution of India
2.	**Dr. Ashutosh Angiras**	Vedic Concepts, Indian Philosophy, Computational Sanskrit
3.	**Dr. Sushil Kansal**	Leadership Skills, Right to Information, Time Management, Stress Management
4.	**Dept. of Computer Science & Applications**	• Website Development for Angels Public School, Ambala Cantt • Development of Vacation Home Rental Software, Custom E-Commerce Website with Seller Panel, Bio Waste Management using Android App, Global Lab Expo, Art Gallery for Silex Softwares Pvt. Ltd. • Development of CIMS of the College and Account Master of Sabji Mandi, Ambala Cantt.
5.	**Ms. Shreshtha Mural**	• Consultancy to Anganwadi workers at Food and Nutrition Board, Faridabad under MHRD. • Consultancy to Chetna (NGO) at Kurukshetra as a member.
6.	**Dept. of Physics**	• Provided consultancy to Ambala Scientific Instruments Manufacturers' Association (ASIMA) on the working and setting-up of new experiments related to Physics

3.5.3 How does the institution encourage the staff to utilize their expertise and available facilities for consultancy services?

- The institution provides Duty Leave to the staff for providing consultancy services.
- Their Consultancy Services are recognized and highlighted in the College Annual Report.
- The profile of the faculty is uploaded on the College Web site to publicize their consultancy.
- Teacher can use various resources of the college for providing consultancy.

3.5.4 List the broad areas and major consultancy services provided by the institution and the revenue generated during the last four years.

As stated above, as of now there is no provision to provide remunerative consultancy services. Details of Honorary Consultancy Service are given in 3.5.2 above.

3.5.5 What is the policy of the institution in sharing the income generated through consultancy (staff involved: Institution) and its use for institutional development?

Presently, the institution is providing non-profit/ mutual benefit-based consultancy to schools and colleges situated in the vicinity:

(a) Faculty Members provide consultation services to school students about career opportunities which results in students seeking admissions in the college.

(b) Faculty Members also provide consultation services to other colleges. As a mutual benefit, our students are invited to these colleges for participation in Seminars, lectures as well as off-campus placement drives.

Non-remunerative consultancy is also provided by some of the Faculty Members to the Corporate Sector and Voluntary Organizations on Managerial and Soft Skills.

3.6 Extension Activities and Institutional Social Responsibility(ISR)

3.6.1 How does the institution promote institution-neighbourhood-community network and student engagement, contributing to good citizenship, service orientation and holistic development of students?

- The NSS Units of the college are actively involved in community networking. Almost all of their activities and programmes throughout the session focus on socially relevant issues.
- Their intensive participation in such programmes inculcates in them a spirit of good citizenship, service orientation and helps in the holistic development of their personality. Similarly, the NCC Units of the college are ever ready to play an active role in community service as and when required.

Some of the activities and programs attended by students, which have contributed to good citizenship, service orientation and holistic development of students are listed below:

- The faculty and students of the Biology Sciences visit local farmers and guide them about the newly released seed varieties of crops, optimum use of fertilizers and pesticides. Farmers are encouraged to use bio-fertilizers and bio-pesticides. They are also counseled on issues like water conservation, composting and vermi-composting.
- The students of Environment Awareness Club organize Green drives and sensitize the society about social issues like conservation of water, electricity, segregation of waste, cleanliness etc.
- Staff and students organize "Green Drives" and plant saplings in and around the campus.
- Staff and students organize "Cleanliness Drives" in and around the campus.
- Awareness rallies on social causes like National Cycle Rally on "Save Water, Save Earth", "Beti Bachao, Beti Padhao", "Swachh Bharat Abhiyan", "Say No to Polythene", "AIDS Awareness" etc. are organized by the staff and students.
- Festivals like Diwali, Holi etc. are celebrated with the old in Old Age homes.
- Emergency donations are collected during natural calamities like Uttrakhand Flood and personal tragedies of students and staff.
- Voluntary Blood donation camps are organized to aid the society. Staff and students of the college also make emergency blood donations whenever required.
- Various days like Gandhi Jayanti, Sadbhavna Diwas, Ekta Diwas, National Voter's Day, Women's Day etc. are celebrated.
- Books, clothes, blankets and food material is donated by students and staff to old age homes and orphanages.
- Cancer Awareness Seminar was organized along with Rotary Club, Ambala in which students of the college participated.
- Nutrition and hygiene alert rally was organized in Ambala slum areas by students.

3.6.2 What is the Institutional mechanism to track students' involvement in various social movements / activities which promote citizenship roles?

- The institute maintains exhaustive data regarding the students' involvement in various social movements / activities which promote citizenship roles. The entire data is available on CIMS of the college.
- The entire record regarding the students' activities is also maintained by the In-charges of various associations/clubs in their Activities Register.
- This record is also presented in an abridged form in the Annual Report.
- It is also regularly updated on the college website.

3.6.3 How does the institution solicit stakeholder perception on the overall performance and quality of the institution?

The most important stakeholders of the institution are its students. Regular feedback is obtained from selected students on the overall performance and quality of the institution using diverse parameters.

3.6.4 How does the institution plan and organize its extension and outreach

programmes? Providing the budgetary details for last four years, list the major extension and outreach programmes and their impact on the overall development of students.

- As the institution is located in a developed Urban Area, frequent "Needs Assessment" has revealed that the scope for extension and outreach programmes is limited. Still, however, the NCC, NSS Units and YRC of the college are actively engaged in organizing socially relevant projects. Details of activities of NSS and NCC are given in 5.3.2.

- The students of the college are actively engaged in various outreach and extension activities in collaboration with a number of social organizations like Rotaract Club, Rotary Club, Lions Club and Jaycees Chapters.

  Major Extension Activities carried out by the college in collaboration with NGOs are as follows:

  1. First-Aid Training Camp (Distt. Red Cross Society, Ambala)
  2. Traffic Awareness Camp (Police Department, Ambala)
  3. Pulse Polio Camp (Rotary Club, Ambala)
  4. Polio Corrective Surgery Camp (Rotary Club, Ambala)
  5. Cancer Detection Camp (Rotary & Inner Wheel, Ambala)
  6. Eye Camp (Madhav Netar Kendra, Nagpur)
  7. Eye Camp (Sarv Kalyan Eye Charitable Society, Ambala)
  8. General Medical Camp (Lions Club, Ambala)
  9. AIDS Awareness Camp (Rotary Club, Ambala)
  10. Dental Camp (Dainik Bhaskar, Ambala)
  11. Hb. and Blood Group Camp (Inner Wheel Club, Ambala)
  12. Drug De-addiction Camp (Rotaract Club, Ambala)
  13. Female Foeticide Camp (Inner Wheel Club, Ambala)
  14. Evaluation of Primary Education (Pratham, Delhi)
  15. Workshop on Palliative Care ("Sneh-Sparsh" Project of Rotary Club of Ambala)

Details of Budgets for Extension Activities from 2012 to 2016

Nature of Program	Budget (Rs.)			
	2012-13	2013-14	2014-15	2015-16
NCC	116032	4237	14870	7407
NSS	296165	128119	141030	159677
Health & Red Cross	162069	114148	145160	227885
CPE-Phase-I	283230	192760	199878	—

Impact of Extension Activities:

1. Improvement in Leadership quality
2. Inculcating human values among students

3. Development of sense of responsibility towards economically backward section of the society.
4. Imbibing moral, ethical and social values.
5. Sensitizing students towards people affected by natural disasters.

3.6.5 How does the institution promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC and other National/ International agencies?

- The institution sets up Special Information Desks during the admission days for new entrants to inform, motivate and sensitize them regarding all co-curricular activities available in the college.
- Students are given awards of Best Volunteer on the basis of their performance in Extension Activities in NSS and YRC and award of Best cadet in NCC to encourage them to participate in such activities.

- College Color, Principal's Medal and Role of Honour are awarded to the students who perform outstandingly in any of the activities of NSS, NCC, Sports and Cultural. This motivates students to participate in such activities.

- The award of "Star Donor" is given to students and faculty who voluntarily donate blood more than five times.

- The overall impact of such motivation has been quite positive as a large number of students join and actively take part in extension activities through NCC, NSS, and Red-Cross Units. The faculty is regularly invited to such programs.
- In order to promote the participation of students and faculty in various extension activities, the college allows condoning of lectures to students as per KUK rules and duty leave to teachers.

- The faculty is nominated as Program Officers in NSS, NCC and YRC to coordinate the activities.

- Travelling and Daily Allowance are provided to both students and faculty members who participate in extension activities.

3.6.6 Give details on social surveys, research or extension work (if any) undertaken by the college to ensure social justice and empower students from under-privileged and vulnerable sections of society?

The NSS Units, NCC, Rotaract Club and YRC of the College organize following activities regularly to ensure social justice and empower students from under-privileged and vulnerable sections of society:

- The NSS Units conduct ASER (Annual Status of Education Report) Survey of 30 villages of the district annually.
- Health & Literacy Surveys are also conducted by the NSS Units.
- Socio-economic Surveys are conducted by the NSS Units.
- Survey on AIDS Awareness is also conducted.

- Awareness Rallies
- Adoption of one village every session for developing different types of amenities.
- Cleanliness Drives
- Blood Donation Camps
- Surveys on Socially Relevant Issues
- Making Documentaries on Social Issues like Women Empowerment
- Literacy Drives
- Rotaract club celebrated Friendship Day with the children at Mercy Home. Various games were played and the club also donated clothes to the Orphanage.
- The Rotaract club of the college celebrated Diwali with the people of Old Age Home, Baldev Nagar.
- The Rotaract club celebrated its first event of the year in the slum area of Sector-8 in Ambala City, where they fed more than 100 children.
- The Rotaract club members distributed around 10 blankets to needy children living around the slum areas of Ambala.
- The Rotaract club organized a Diwali campaign in which sweets and crackers were distributed to the poor children.
- The Rotaractors adopted 1 child each, to whom they provided free tuition and as a result of it 20 underprivileged students of different classes were given free and quality education.
- The Rotaract club raised Rs. 1, 20,000 for the help of a cancer patient, Vishal Goel, a student of the college.
- The Rotaract club raised Rs 40,000 to install a water cooler in Govt. School, Ambala Cantt.
- The Rotaract Club members organized a special breakfast for the students of S.D Blind School, Ambala Cantt and studied their means of earning.

3.6.7 Reflecting on objectives and expected outcomes of the extension activities organized by the institution, comment on how they complement students' academic learning experience and specify the values and skills inculcated.

The purpose of education is not to stuff students with information and knowledge but to turn them into thinking and feeling human beings who can contribute to the society meaningfully. The present employability market; especially in the corporate sector, expects students to be 'all-rounders'. It is against this background that extension activities are given a prime-slot in the co-curricular calendar of the college.

The extension activities organized by the college are helpful in the following manner:

- Extension Activities help in inculcating Leadership Skills, Inter-personal Skills and Communication Skills.
- They result in enhancing the empathetic attitude of the students.
- They help students become better team players; enhance group acceptance; help students in respecting individual differences and provide them social platforms to showcase their skills and talents.

- They foster better social-values
- Extension activities increase the group acceptance of students.
- Such activities widen the thinking horizon of the students.
- They increase problem-solving skills and teach conflict-management to students.
- Extension activities also help students to perform better in academics as there is an increase in their General Knowledge database.

3.6.8 How does the institution ensure the involvement of the community in its reach out activities and contribute to the community development? Detail on the initiatives of the institution that encourage community participation in its activities?

The institution has a very impressive track-record of involvement of the community in its outreach activities which contribute to community development. The involvement of the members of the community is ensured through the following:

1. Collaboration with local Social-Clubs/Associations like Rotary and Lions in its activities such as Blood Donation Camps, Rallies and Camps.
2. Inviting Speakers from the Community in various Camps, Rallies and Awareness Programs.
3. Opening up various exhibitions for the general public
4. Organizing Cleanliness Drives
5. Contributing to *"Beti Bachao; Beti Padhao"*
6. Environment Protection Programs like "Saying NO to Polythene Bags; Saying YES to Jute Bags", in collaboration with Rotary Club of Ambala.
7. First Aid Training Workshops by YRC in collaboration with NSS
8. Organizing Philately and Coin Exhibitions

3.6.9 Give details on the constructive relationships forged (if any) with other institutions of the locality for working on various outreach and extension activities.

The institution has been able to develop long-term meaningful relationships with the following organizations and NGOs for various outreach and extension activities:

a. Rotary Club of Ambala
b. Lions Club
c. Rotaract Club
d. Ambala Jaycees
e. Innerwheel Club
f. Bharat Vikas Parishad
g. District Red-Cross Society
h. Government Hospitals

Various camps, rallies, blood donation projects, tree plantation drives etc. are organized in collaboration with the above organizations as detailed below:

1. First-Aid Training Camp (Distt. Red Cross Branch, Ambala)
2. Traffic Awareness Camp (Police Department, Ambala)
3. Pulse Polio Camp (Rotary Club, Ambala)
4. Polio Corrective Surgery Camp (Rotary Club, Ambala)
5. Cancer Detection Camp (Rotary & Inner Wheel, Ambala)
6. Eye Camp (Madhav Netar Kendra, Nagpur)
7. Eye Camp (Sarv Kalyan Eye Charitable Society, Ambala)
8. General Medical Camp (Lions Club, Ambala)
9. AIDS Awareness Camp (Rotary Club, Ambala)
10. Dental Camp (Dainik Bhaskar, Ambala)
11. Hb. and Blood Group Camp (Inner Wheel Club, Ambala)
12. Drug De-addiction Camp (Rotract Club, Ambala)
13. Female Foeticide Camp (Inner Wheel Club, Ambala)
14. Evaluation of Primary Education (Pratham, New Delhi)
15. Workshop on Palliative Care ("Sneh Sparsh" Project of Rotary Club of Ambala)

3.6.10 Give details of awards received by the institution for extension activities and/contributions to the social/community development during the last four years.

College Award

Rotaract Club, S.D. College has been awarded by Rotary Club of Ambala for outstanding contribution towards Polio Eradication Program of Rotary International.

Faculty Members of our institution are second to none when it comes to community and social service. They have been recognized for their contribution to the society as detailed below:

Social Awards

1.	**Dr. Desh Bandhu**	• Honoured by Governor Haryana on National Voters' Day Republic Day for meritorious services in the field of Education & Social Service. • Honoured for Voluntary Blood Donation by ISBT and PGI Chandigarh. • Honoured by PUCHD Alumni Association as Distinguished Alumnus.
1	**Dr. Sushil Kansal**	• Honoured as Star Blood Donor by Blood Transfusion Department, PGI, Chandigarh for donating blood 64 times.
2	**Dr. Naveen Gulati**	• Recognized and Awarded by District Administration Four Times in 2006, 2009, and twice in 2010. • Awarded by Panchmeru Art and Cultural

		Society, Ambala City. • Awarded by AAJ SAMAJ (News Paper Group) for Tree Plantation in 2016. • Awarded and recognized by JLPL Production house for his role in a film at an Award function in 2012.
3	**Dr. Vijay Sharma**	• Presented Gold Medal for her meritorious work in NCC by Officers' Training Academy, Gwalior. • Awarded a certificate for displaying Exceptional Talent in Yoga IP.
4	**Dr. Jaideep Chauhan**	• Awarded Best Programme Officer by Minister of Youth Affairs and Sports, Sh. Ajay Makan, at Republic Day Parade Camp 2012, organized at Jawahar Lal Nehru Stadium, New Delhi. • Awarded as Best Group Leader by Wing Commander SKJ Nair, Director, National Adventure Foundation at National Adventure Programme in Kerela in Jan. 2011. • Awarded as Best Counsellor by ADC Ambala in Feb. 2016.
5	**Dr. N K Sharma**	• Conferred 'Vyas Samman' by Brahman Sabha Ambala Cantt on 15 July 2011.
6	**Ms. Rashmi Billus**	• Nation Builder Award (by Rotary Club, Ambala) • Felicitated as Brand Ambassador and the Qualified Girl under *"Beti Bachao, Beti Padhao"* Abhiyan by Haryana Govt.
7	**Mr. Deepak Kumar**	• Award of Recognition for being a Regular Blood Donor (17 Times)
8	**Mr. Harvinder**	• Award of Recognition for Being a Regular Blood Donor (8 Times)
9	**Ms. Ekta Anand**	• Award of Recognition for Being a Regular Blood Donor (5 Times)
10	**Ms Hina**	• Recognized as Brand Ambassador of "Beti Bacho Beti Padhao" and "Beti Ka Salam Rashtra Ke Naam".
11	**Ms. Shikha**	• Awarded as the Qualified Girl in Babyal Region under "Beti Bachao, Beti Padhao" by Haryana Govt.

3.7 Collaboration

3.7.1 How does the institution collaborate and interact with research laboratories, institutes and industry for research activities. Cite examples and benefits accrued of the initiatives - collaborative research, staff

exchange, sharing facilities and equipment, research scholarships etc.

All Science departments and Commerce department have developed linkages with institutes, laboratories and industries. Over a period of years these efforts have helped in student projects especially for post graduate students. Students get an opportunity to work with industries and work on 'live projects' in subjects like computer science.

3.7.2 Provide details on the MoUs/collaborative arrangements (if any) with institutions of national importance/other universities/ industries/Corporate (Corporate entities) etc. and how they have contributed to the development of the institution.

MoUs with the Coprorate Sector/Industries

1. Ameo Tech Informatics, Mohali (Punjab), India
2. G Tech Informatics, Ambala Cantt.
3. Silex Softwares Private Limited, Ambala Cantt.
4. The Jobs Express, Ambala Cantt.
5. The Vertical Recruiters, New Delhi
6. Web Spin Technologies, Panchkula (Haryana)
7. Sebiz Infotech Ltd., Mohali (Punjab), India
8. NETSMARTZ House, Chandigarh
9. Xport Soft Technologies Private Ltd., Ambala Cantt.
10. Consortium for Educational Communication, UGC
11. Indian Institute of Technology (IIT), Bombay
12. IT-ITES Sector Skills Council NASSCOM, New Delhi
13. Tally Institute of Learning, M.G.M Education, Ambala City
14. Big Bazaar, Ambala Cantt.
15. Hero Honda, Ambala Cantt.
16. Nikunj Motors, Ambala Cantt.

MoUs with other institutions of National importance/other Universities:

1. National Center for Social Media Research, Chandigarh.
2. Center for Historical Research & Comparative Studies, Panchkula
3. Center for Health Policy Research & Analysis, Mohali (Pb)
4. Darshan Yoga Sansthan, Dakshina Murti Bhavan, Dalhousie (HP)
5. Thakar Dei Mehra Charitable Foundation, Amritsar (Pb)
6. Vedic Research Centre & Department of Sanskrit, Kanya Mahavidyalaya, Jalandhar City.
7. Department of Sanskrit, Pali & Prakrit, GNDU, Amritsar (Pb)
8. Department of Sanskrit, Pali & Prakrit, KUK
9. Department of Sanskrit, Pali, Punjabi University, Patiala (Pb)
10. Haryana Granth Academy, Panchkula
11. Burning Brain Society, Chandigarh
12. Haryana Sanskrit Academy, Panchkula

The above MoUs have contributed to the over-all development of the institution in a number of ways:

- Provide ample industry exposure to the students.
- Result in long-term enhancement of the curriculum.
- Provide e-resources to students and faculty.
- Help in motivating the faculty and students towards research.
- Help in inculcating moral and ethical values among students.
- Students are involved in social responsibility-based activities
- They help in the psycho-social development of the students.
- They provide training and hands-on experience.
- Provide information related to market trends and job avenues.

3.7.3 Give details (if any) on the industry-institution-community interactions that have contributed to the establishment / creation/up-gradation of academic facilities, student and staff support, infrastructure facilities of the institution viz. laboratories / library/ new technology /placement services etc.

A number of institution based interactions have resulted in the academic advancement of the students.

- The spoken tutorials provided by IIT-Bombay and UGC, New Delhi Consortium have helped in up gradation of academic atmosphere of the institution as well as the establishment of new technology based academics.
- Community based interactions with organizations like Rotary Club and Lions' Club supports the institution in organizing Blood Donation Camps etc.
- About 5000 Books have been donated by the college to various institutions.

3.7.4 Highlighting the names of eminent scientists/participants who contributed to the events, provide details of national and international conferences organized by the college during the last four years.

- 39 Seminars/Conferences/Workshops were organized by the college from 2011-2016 as detailed below:

S.No	Title of Seminar/Conference/ Workshop	Funding Agency	Amount Sanctioned (Rs.)	Date
1	Two day National Seminar on "Sathotri Hindi Sahitya Mai Manvadhikar Chintan Ke Vividh Aayam"	UGC	80,000/-	11/08/2011 to 12/08/2011
2	One day National Seminar on "Defining Indian Psychology- Issues Of Mind, Body and Consciousness" organized by Dept of Sanskrit	ICSSR	1,00,000/-	08/10/2011
3	One day National Seminar on "Defining Indian & Western	ICPR	1,50,000/-	03/12/2011

	Tradition of Enquiry with Reference to Questioning Techniques"			
4	One day National Seminar on "Emerging Trends in Computer Industry"	UGC	1,50,000/-	10/03/2012
5	One day National Seminar on "Good Governace in Sanskrit Literature with reference to Politics and Justice"	UGC	1,50,000	14/03/2012
6	One day National Seminar on "Defining Knowledge and Knowledge system: Past, Present and Future"	UGC	80,000/-	31/03/2012
7	One day National Seminar on "Consciousness as Life Principle in Sanskrit Tradition and Life Sciences: Looking for Integrating Approach"	Haryana Sanskrit Academy	50,000	30/08/2012
8	One Day Workshop on "Effect of Music Education on the Body & Mind"	DHE, Haryana	50,000	25 /10/2012
9	One day National Seminar on "Philosophic Foundation of Lokpal and Role of Media: Past, Present and Future"	UGC	80,000	09/03/2013
10	Role of Music in Indian Nationalism: An Evaluation	UGC	1,25,000	21- 22 /03 /2013
11	One day National Seminar on "Good Governance in Sanskrit Literature"	UGC	60,000/-	23/03/2013
12	One day State Level training of ANOs and NCC Cadets on HIV/AIDS Awareness	Haryana State AIDS Control Society, Panchkula	1,00,000/-	25/03/2013
13	One day National Seminar on "Defining Gross National Happiness Index: Issues & Challenges"	ICSSR	50,000/-	30/03/2013
14	One day National Seminar on "Assesssing India's Threat Perceptions to Security & War Preparedness"	DGHE	50,000/-	18/12/2013
15	One day National Seminar on "Computational Sanskrit: Issues and Challenges"	DHE	1,00,000/-	20/12/2013 to 21/12/2013
16	One day National Seminar on "Vishaw Bhasha Ke Roop Mein Hindi"	Kendriya Hindi Sansthan, Agra	70,000/-	28/03/2014 to 29/03/2014
17	One day National Seminar on "Personality Development through Indian Astrology"	S D College	5,000/-	21/04/ 2014

18	Developing Vedic Gross National Happiness Index & Policy	ICSSR	50,000/-	13/09/2014
19	Vedic Sciences & Principles of Physics	Dept of Sanskrit S D College	5,000/-	17/09/ 2014
20	Workshop on "Metaphysics & Panch Mahayagya: Theory & Practice"	Haryana Sanskrit Academy, Panchkula	40,000/	26/09/2014
21	87th BRNS-IACANS Workshop on "Radiochemistry and Applications of Radioisotopes"	Dept of Atomic Energy and Board of Research in Nuclear Science Bombay (BRNS)		6/10/2014 to 11/10/2014
22	Sanskritagya ki Bhoomika: Dasha aur Dishaa	Haryana Sanskrit Academy	50,000/-	16/11/2014
23	Seven days Workshop on 'Shloka Prashikshan"	SD College	5,000/-	11/03/2015 to 17/03/2015
24	One day National Seminar on "Recent Developments in Theoretical & Experimental Physics (RDTEP-15)."	DGHE	1,00,000/-	21/03/2015
25	One day national Workshop on "Computational Physics"	S D College	5,000/-	30/03/2015 to 31/03/2015
26	Critique of Karma & Labour	S D College	5,000/-	01/05/2015
27	One day National Seminar on "Black Holes in Indian History"	National Council of Historical Research and Comparative Study	15,000/-	09/05/2015
28	One day National Seminar on "Issues of Food Security in India"	UGC, New Delhi	1,00,000/-	28/09/2015 to 29/09/2015
29	Four days Workshop on "Personality Analysis through Astrology"	S D College	5,000/-	09/2015
30	Three days Workshop on "Fundamental Principles of Ayurveda"	S D College	5,000/-	09/2015
31	One day National Seminar on "History& Philosophy of Indian Armed Revolution (1857 to 1947)"	Bharat Vikas Parishad and S D College	20,000/-	24/10/2015
32	Three days Workshop on "Palliative Care"	Rotary Hospital, Ambala	5,000/-	6/11/2015 to 8/11/2015
33	One day National Conference on "Current Advances in Theoretical & Experimental Physics (CATEP-15)"	DGHE	50,000/-	07/11/2015
34	One day National Seminar on "Chemistry-Biology Interface:	UGC	1,00,000/-	12/03/2016

	Opportunities and Challenges"			
35	One day National Seminar on "Strategic Role of Information Technology in Empowering Commerce"	UGC	1,00,000/-	16/03/2016
36	One day National Seminar on "Current Development in Mathematics & Computer Science"	UGC	100000/-	18/03/2016
37	One Day National Seminar on "Human Freedom and Baba Banda Singh Bahadar"	Haryana Punjabi Sahitya Academy	50,000/-	04/10/2016
38	One day National Seminar on "Entrepreneurship in Indian Economy: Opportunities and Challenges"	S D College	50,000/-	03/11/2016
39	One week Workshop conducted for BSc II students on "Computational Sanskrit"	S D College	5,000/-	2011-12 & 2015-16

- 85 Eminent Scientists and Scholars of eminence participated in the following Seminars/Conferences and Workshops organized by the college as detailed below:

SNo.	Event	Eminent Participants
1.	Two days National Seminar sponsored by UGC, New Delhi from 28-29.09.2015 on "Food Security in India: Issues and Challenges."	**1. Prof.(Dr.) Lakhwinder Singh, Punjabi University, Patiala** **2. Prof.(Dr.) T.R. Kundu, Professor Emeritus of Economics, KUK** **3. Dr. Anuj Kumar, Senior Scientist, NDRI, Karnal**
2.	Two days National Seminar sponsored by UGC, New Delhi from 21-22.03.2013 on "Role of Music in Indian Nationalism: an Evaluation."	**4. Pt. Dr. Harvinder Sharma, Sitar Maestro** **5. Ustad Barkat Sidhu, renowned Sufi Singer of Patiala Gharana**
3.	One day National Seminar sponsored by UGC, New Delhi held on 21-03-2015 on "Recent Developments in Theoretical & Experimental Physics".	**6. Prof.(Dr.) Shyam Kumar, Dean, Faculty of Science, KUK.** **7. Prof.(Dr.) S.K. Tripathi, Panjab University, Chandigarh** **8. Prof. (Dr.) R.K. Moudgil, KUK.**
4.	One day National Conference sponsored by DGHE held on 07-11-2015	**9. Prof.(Dr.) Tankeshwar Kumar, Vice-Chancellor, GJU, Hisar.** **10. Prof.(Dr.). Moudgil, KUK** **11. Prof.(Dr.) Anil Vohra, Dean, Academic**

	on "Current Advances in Theoretical & Experimental Physics".	**Affairs, KUK.**
5.	Two days National Seminar from 28-29.03.2014 on "Vishaw Bhasha Ke Roop Mein Hindi".	**12. Prof.(Dr.) Vandana Pandey, HOD, Mass Communication Dept., GJU, Hisar** **13. Sh. Narendra Singh Akela, Bureau Chief, Dainik Bhaskar** **14. Prof.(Dr.) Chaman Lal Gupt, Retd. Prof., H.P. U, Shimla**
6.	Two days National Conference sponsored by DGHE from 20- 21.12.2013 on "Computational Sanskrit: Issues & Challenges."	**15. Prof.(Dr.) Radhey Shyam Sharma, VC, CDLU, Sirsa** **16. Dr. Kanwaljeet Singh, Director, University Computer Centre, Punjabi University, Patiala** **17. Prof.(Dr.) Adesh Sharma, Senior Scientist, NDRI, Karnal** **18. Prof.(Dr.) Maninder Singh, Head, Dept. of Computer Sc. & Engg., Thapar University, Patiala** **19. Dr. Girish Nath Jha, Associate Prof., JNU, Delhi**
7.	One Day National Seminar on "Strategic Role of Information Technology in Empowering Commerce" was organized jointly by the Depts. of Commerce and IT & Electronics on 16-03-2016.	**20. Prof.(Dr.) Anil Vohra, Dean Academic Affairs, KUK** **21. Prof.(Dr.)Tajinder Sharma, Dept. of Commerce, KUK**
8.	"Chemistry-Biology Interface: Opportunities & Challenges" held on 12.3.2016	**22. Dr. Rekha Sharma, Principal Scientist, NBAGR, Karnal.** **23. Prof.(Dr.)Prasad V. Bharatam, Dept. of Medicinal Chemistry, NIPER, Mohali.** **24. Prof.(Dr.) Pawan Kumar Sharma, Dept. of Chemistry, KUK.** **25. Prof. Anand Kumar Bachhawat, Dept. of Biological Sciences, IISER, Mohali.** **26. Prof. Mukesh Thakkar, Punjabi University, Patiala.**

9.	"Current Developments in Mathematics and Computer Science" held on 18.3.2016	**27. Prof. Anil Kumar Vashisth, Chairman, Dept. of Mathematics, KUK.** **28. Prof. Deepak Gupta, Head, Dept. of Mathematics, MMU, Mullana.** **29. Dr. Gurmeet Singh, Dept. of Mathematics, Khalsa College, Patiala.** **30. Dr. Sameer Sharma, Dept. of Mathematics, DAV College, Jalandhar.**
10.	One day National Seminar held on 10-01-2011 on "Dr. B R Ambedkar's Human Consciousness And Indian Culture."	**31. Prof. Dr. B R Langayan, BR Ambedkar Study Center, KUK**
11.	One day National Seminar held on 30-03-2013 on "Defining Gross National Happiness Index - Issues & Challenges" sponsored by ICSSR, Chandigarh.	**32. Prof. (Dr.) Neera Verma , Chair person, Dept. of Economics, K UK** **33. Prof. (Dr.) M. L. Sharma, Chairman, Dept of Gandhian Studies, P U, Chd.** **34. Prof. (Dr.) Jai Narayan Sharma, Dept of Gandhian Studies, P U, Chd.** **35. Prof. (Dr.) Ashu Pasricha, Dept of Gandhian Studies, P U, Chandigarh.** **36. Prof. (Dr.) V K Singh, Dept of Chinese & Tibetan Studies, P U, Chandigarh.** **37. (Dr.) Jitender Mohan, Dept of Psychology, P U, Chd** **38. Prof. (Dr.) Satpal Sehgal, Dept of Hindi, P U, Chandigarh.** **39. Ashok Chauhan, Dept of Economics, KUK** **40. Sh. Mohan Matreye , Director, Haryana Granth Academy, Panchkula.** **41. Sh. Shiv Pratap Singh Maan, Advocate, Pb. & Hry. High Court, Chd**
12.	One day National Seminar on 30-08-2013 on "Consciousness as Life Principle in Sanskrit Tradition & Life Sciences: Looking for an Integrated Approach."	**42. Prof. K K Rishi, Dept. of Zoology, KUK** **43. Prof. Seema Vinayak, Chairperson, Department of Psychology, PU, Chd** **44. Prof. Ramakant Angiras, Department of Sanskrit, PU, Chd** **45. Prof. R P Malyvar, Department of Zoology, KUK** **46. Dr. Sudhir Kumar, Director, Haryana Sanskrit Academy, Panchkula.**
13.	One day National Seminar on 17-09-2014 on "Veda & Physics."	**47. Dr. Vakul Bansal, Principal, J V Jain College, Saharan Pur** **48. Dr. Sudhir Kumar Director, HSA, Panchkula**
14.	One day National Seminar	**49. Prof. (Dr.) Satish Chander Mittal, Dept. of**

	on 27-08-2016 on "Defining the Role of Brahmins & Brahmincal Elements in Indian History with Reference to India's Freedom Struggle".	**History, KUK** **50. Prof. S M Mishra, Dept. of Sanskrit, KUK** **51. Maj Gen A. K. Shori, APS, Delhi** **52. Prof. (Dr.) Dalbir Singh, Chairman, Dept. of Sanskrit, GNDU, Amritsar** **53. Dr. Someshwar Dutt, Director, Haryana Sanskrit Academy, Panchkula** **54. Dr. Neeraj Atri, Director, Council for Historical Research & Comparative Studies, Panchkula** **55. Sh Hemant Goswmi, Social Activist and Political Analyst, Chandigarh** **56. Sh. Virender Chauhan, Vice President, Haryana Grantha Academy, Panchkula**
15.	One day National Seminar on 09-09-2016 on "Sanskrit Bhasha: Samasyaa Evam Samaadhaan."	**57. Prof. (Dr.) S M Mishr, Dept. Of Sanskrit, KUK** **58. Dr. Someshwar Dutt, Director, Haryana Sanskrit Academy, Panchkula** **59. Dr. Neeraj Atri, Director, Council for Historical Research & Comparative Studies, Panchkula** **60. Sh Hemant Goswmi, Social Activist and Political Analyst, Chandigarh**
16.	One day National Seminar on 12-11-2016 on "Contemporary Concerns about Well-being and Indigenous Paradigms."	**61. Prof. Dr. Lakhwinder Singh, Head, Dept. of Economics, Punjabi University, Patiala.** **62. Dr. Anil Aggarwal, Krishna Dignostic Center & EEG, Ambala Cantt.** **63. Prof. (Dr.) Ramakant Angiras, Department of Sanskrit, Punjab University, Chandigarh.** **64. Dr. Pramod Vajpai, Principal, Maharaja Aggarsen College, Jagadhari**
17.	One day Seminar on "Good Governance in Sanskrit Literature with reference to Policies And Justice" on 30-03-2013.	**65. Dr. Sanjeev Kumar Sharma, Prof & Head, Dept. of Pol. Sc., C C Singh University, Meerut.** **66. Dr. R. Devnathan, Vice Chancellor R R Sanskrit University, Jaipur.** **67. Dr. Kunwar Pratap Singh, IPS, Commanding Officer P.A.P. 82nd Battalion, Chandigarh.** **68. Dr. Raj Kumar Siwach, Chairperson, Dept. of Pub. Ad, C C V University, Sirsa.** **69. Dr. Santosh Shukla, Associate Prof., Special Centre for Sanskrit Studies, JNU, Delhi.** **70. Dr. Kaushal Kishor, Department of**

		Political Science, Banaras Hindu University, Banaras. (UP)
18.	One day seminar on "Restructuring Gross National Happiness Index: Issues & Challenges" sponsored by ICSSR on 17-11-2012.	**71. Prof. R P Mishra, Dept. of Sanskrit, KUK.** **72. Prof. Jai Narayan Sharma, Dept of Gandhian Studies, Punjab University, Chandigarh.** **73. Prof. S M Mishr, Dept. of Sanskrit, KUK.** **74. Prof. C R Darolia, Dept. of Psychology, KUK** **75. Prof. Harmit Singh, Dept. of Pol. Sc., GNDU, Amritsar.**
19.	One day Seminar on "Critique of Sanskrit: Terms, Concepts, Ideas & Myths in English Writings" on 29th October, 2014.	**76. Prof. (Dr.) Aksahy Kumar, Department of English, Punjab University, Chandigarh.** **77. Prof. (Dr.) Rajesh Sharma, Chairman, Department of English, Punjabi University, Patiala** **78. Prof. (Dr.) Sumanpreet Kaur, Chairperson, Department of Linguistics, Punjabi University, Patiala.** **79. Dr. Shruti Dutt Sharma, Vice-Chancellor, M M University, Mullana (Ambala)**
20.	87th BRNS-IACANS Workshop on "Radiochemistry and Applications of Radioisotopes organized by Dept. of Physics on 6/10/2014 to 11/10/2014	**80. Dr. B. N. Jagtap, Director, Chemistry Group, BARC, Mumbai.** **81. Dr. K. L. Ramkumar, Director, Radio Chemistry and Isotope Group, BARC Mumbai.** **82. Dr. A. V. R. Reddy, Head, Analytical Chemistry Division, BARC, Mumbai.** **83. Dr. P. C. Kalsi, Analytical Chemistry Division, BARC, Mumbai.** **84. Dr. T. Krair, BARC, Mumbai.** **85. Dr. J. Bhatt, BARC, Mumbai.**

3.7.5 How many of the linkages/collaborations have actually resulted in formal MoUs and agreements? List out the activities and beneficiaries and cite examples (if any) of the established linkages that enhanced and/or facilitated -

a) Curriculum development/enrichment
b) Internship/ On-the-job training
c) Summer placement
d) Faculty exchange and professional development
e) Research
f) Consultancy

g) Extension
h) Publication
i) Student Placement
j) Twinning programmes
k) Introduction of new courses
l) Student exchange
m) Any other

The college has collaborated with institutes of higher learning and industries which has resulted in 16 formal MoUs. These collaborations have assisted the college in various activities such as:

a) **Curriculum development/enrichment**: Department of Computer Science and Commerce have collaborated with under mentioned companies and signed MOU with them which has assisted the departments in the development of curriculum for the under mentioned courses. Curriculum has been developed after having constant dialogue with experts from these companies. Deliberations with these companies have helped them understand the real needs of industry dealing in BPO, Software Development, Web Development and E-Commerce. With their help the syllabus was designed and sent to BoS of Computer Science & Commerce of KUK for final revision and approval.

Sr.No.	Industry/institute	Specialization	Course
1.	**XportSoft Technologies**	Web Designing , Software Development , Digital Marketing, Content Designing, Customer Support	B.Voc(Business Process Outsourcing) B.Voc(Software Development)
2.	**Sebiz Infotech**	Web , Mobile and Software Development , Search Engine Marketing, Customer Support	B.Voc(Business Process Outsourcing) B.Voc(Software Development)
3.	**Silex Software Pvt. Ltd**	Web development, E-Commerce, Internet Marketing	Certificate Course in Web Designing M.Com (IT)
4.	**G.Tech Informatics**	Web and Software Development , SEO, IT/BPO Services	M.Com (IT)
5.	**NASSCOM**	Sector Skill Council (IT/ITES)	B.Voc(Software Development) and B.Voc(BPO)

b) Internship/On the Job training: In the Skill Development course of B.Voc (Software Development) students have to develop real life projects in every semester for exposure to real time project development. 31 Students of B.Voc (Software Development) have undergone Project training with Sebiz Infotech, Mohali to complete their semester course**.**

c) Summer Placement: Students of commerce join Big Bazar, Ambala Cantt during their summer holidays for internship.

d) Faculty Exchange and Professional Development: Experts from industry and Professors of Eminence from university and other colleges are invited to our college for guest lectures and share their expertise with students and teachers. Professional Development activities are also undertaken. Senior and experienced faculty members of the college provide their expertise to different institutions.

f) Consultancy: Faculty members provide consultancy to various institutes and industry on non remunerative basis.

i) **Student Placement:** The Placement Cell of the college collaborates with renowned companies at the beginning of each session for training and placements of the final year students. College has an impressive record of students placed in reputed companies during the last four years.

k) **Introduction of new courses:** Two new courses of Skill Development — B.Voc (BPO) and B.Voc (Software Development) under the UGC scheme of DDU Kaushal Kendra have been started after deliberations with our industry collaborators.

3.7.6 Detail on the systemic efforts of the institution in planning, establishing and implementing the initiatives of the linkages/ collaborations.

The College is always on the lookout for forging meaningful relationships and collaborations with Industry and the Corporate Sector. For this purpose, regular visits are made to cities where such entities are located. After frequent meetings and negotiations, MoUs are entered into wherever the institution feels that it serves the needs of the stakeholders.

Any other relevant information regarding Research, Consultancy and Extension which the college would like to include.

It would not be out of place to add that the thrust area of the institution is to provide an atmosphere that is conducive to the teaching-learning environment of the stakeholders. However, within the constraints of an affiliated college, the institution endeavors to promote research as much as possible.

CRITERION IV
INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

4.1.1 What is the policy of the Institution for creation andenhancement of infrastructure that facilitate effective teaching and learning?

The institution is well aware about the fast pace changes that the teaching-learning process is undergoing. It realizes that to make the process of teaching-learning effective, infrastructure plays a very important role. Consequently, Smart Class Rooms, fully equipped state-of-the-art laboratories, automated library, seminar and audio-visual rooms, comfortable, spacious class-rooms remain a top priority.

The Policy of the college regarding infrastructure is consistent with the needs that arise as a result of academic development.

Its salient features are:

- Need based feedback from stakeholders is taken for enhancement of infrastructure.
- The management evaluates and approves the proposal given by the Principal in governing body meetings, thereby allocating the budget for strengthening the facilities.
- The concerned committees utilize and monitor the grants received from various funding agencies.
- Infrastructure is created and enhanced to meet the need of world class quality education and for promoting good teaching-learning environment.
- Maximum resources are allocated for infrastructure development.
- Optimum utilization of resources is ensured to carry out curricular, co-curricular and research activities.

4.1.2 Detail the facilities available for

a) Curricular and co-curricular activities – classrooms, technology enabled learning spaces, seminar halls, tutorial spaces, laboratories, botanical garden, Animal house, specialized facilities and equipment for teaching, learning and research etc.

b) Extra –curricular activities – sports, outdoor and indoor games, gymnasium, auditorium, NSS, NCC, cultural activities, Public speaking, communication skills development, yoga, health and hygiene etc.

Consolidated response for (a) and (b) above:

It is the policy of the institution to create new infrastructure and modify the existing infrastructural facilities in sync with the changing needs of the stakeholders. The College Construction & Electrical Maintenance Committee looks after the infrastructural needs of the institution and makes recommendations accordingly.

Presently, the institution has excellent facilities for academic, curricular, sports, NCC, NSS, administrative, storage and other Support Services. Complete details are as given below:

Present Institutional Infrastructure Details	
Administrative Block	• Principal's Office • Personnel Section • Data Centre • Fee Section • Accounts Section • Record Room
State-of-the-Art Facilities	• Wi-Fi Campus • Air-conditioned Seminar Halls with latest ICT equipment (4) • Air-conditioned Audio-Visual Room with ICT & latest Sound system • Language Lab • Library with Open-shelf system • Reference Section • Air-conditioned Reading Room • Electronic Display System for Announcements/ Notice • Auditorium with latest ICT & seating capacity of 700
Teaching Learning	• Research Lab • Smart Class Rooms (8) • Class Rooms (34) • Chemistry Labs (3) • Physics Labs (5) • Dark Room (2) • Physics Workshop • Botanical Garden • Botany Lab • Zoology Lab • Bio-Technology Lab • Biology Museum • Computer Science & IT Labs (9) • Computer Maintenance Lab • Electronics Labs (2) • Mathematics Lab

	• Computer Labs in Physics Dept. (2) • Computer Lab in Zoology Lab (01) • Mass Communication Lab • Home Science Labs (2) • Cosmetology Lab • Commerce Lab • Music Room (Instrumental) • Music Room (Vocal) • History Museum Note: All labs are equipped with LCD Projectors, Smart-boards and other ICT facilities.
Support Services	• Fully furnished Departmental Rooms with ICT equipment (17) • Physics Lab Store (2) • Chemistry Lab Store (2) • Computer Lab Store • Electronics Lab Store • Placement Cell/ Career Guidance Cell • NSS Office • NCC Office (Boys') • NCC Office (Girls') • Cultural Affairs Office • Controller of Examination Room • Guest Room • Health Care Centre • Branch of Central Bank of India • Staff Room • Girls' Common Room • Open Air Theatre (1) • NCC Girls' Store • Tools Store • Green Rooms (2) • Water Tank with capacity of 30,000 liters • RO Drinking Water & Coolers • Bio-metric Attendance Machine • Rainwater Recharging • Generators • Computers • Printers • LCD Projectors • Laptops • Scanners • Copiers • Vermi-composting System

Sports Infrastructure	• Fully Equipped Gymnasium • Table Tennis Room • 400-metre Standard Track for Athletics • All-weather Cricket pitch • Basket Ball Court • Football & Cricket grounds • Handball, Volleyball and Tennis Courts • Firing Range for NCC Cadets • Jogging Track

4.1.3 How does the institution plan and ensure that the available infrastructure is in line with its academic growth and is optimally utilized? Give specific examples of the facilities developed/augmented and the amount spent during the last four years (Enclose the Master Plan of the Institution / campus and indicate the existing physical infrastructure and the future planned expansions if any).

Academic growth is an integral part of the overall growth of the institution which throws a number of challenges and demands. The institution ensures that suitable infrastructure is developed from time to time to meet these demands. In the last four years, innovative, need-based infrastructural facilities have been developed which include the following:

Session 2012-13			
SNo	**Department / Place**	**Work Undertaken**	**App. Amt. (Rs.)**
1	Physics	Computer Lab for PG students	4,50,000/-
2	Ground & First Floor corridors	Fixing of Wall Tiles and Kota flooring	3,50,000/-
3	Botany, Zoology, Computer, Chemistry, Mathematics, Home Science, Electronics Depts.	Renovation	26,50,000/-
4	Auditorium Balcony	Tiles	1,50,000/-
5	Area in front of Commerce and PG Block	Grills & Inter-locking tiles	4,50,000/-
6	Boundary walls towards Tribune Colony and Jagadhri Road	Plaster Work	1,50,000/-
7	PG Block	Girls' Washroom	2,00,000/-
8	Seminar Room	Furnishing	3,50,000/-
9	Ramp for Disabled Students		5,00,000/-
		Total	**55,50,000/-**

Session 2013-14

S.No.	Department / Place	Work Undertaken	Approximate Amount (Rs.)
1	Zoology , Home Science Labs	Renovation	1,00,000/-
2	Staff Room	Renovation	1,00,000/-
3	Overhead Water Tank	Overhead Water Tank of 35,000 liters capacity for drinking water	10,50,000/-
4	Seminar Room and Auditorium	Furnishing	10,50,000/-
		Total	**23,00,000/-**

Session 2014-15

S.No.	Department / Place	Work Undertaken	Approximate Amount (Rs.)
1	Cycle Stand Area, Tennis Court	Passage, Grill work and interlocking tiles for car parking, scooter stand and Tennis court	11,50,000/-
2	Punjabi Dept., NSS Office, Botany, Zoology , Chemistry, Physics, Mathematics, Electronics, Computer Science, Home Science, Bio Tech Lab	Renovation	17,50,000/-
3	Overhead Water Tank & Boundary Walls towards Tribune Colony, Botanical Garden and Subhash Park	Water Tank of 35,000 liters capacity for drinking water and Reconstruction of Walls	12,00,000/-
4	Boundary Wallsards Jagadhari Road and near NCC Firing Range	Extension of height of Walls	50,000/-
		Total	**41,50,000/-**

Session 2015-16

SNo	Department / Place	Work Undertaken	Approximate Amount(Rs.)
1	Auditorium	Change of front Curtain, New Calendaring Screen of Size 20'X 10', New Motor Curtain Machine, False ceiling and LED lights, Sound system, Air Conditioning	42,00,000/-
2	Administrative Office	Separate cabins for office staff, Store room, Gents and Ladies Washrooms	9,00,000/-

3	Girls' Common Room	Installation of LCD TV, Introduction of indoor games and Magazine/ Newspapers, addition of furniture	2,00,000/-
4	Seminar Room	High luminance Wi-Fi projectors, Blinds, Additional Chairs	8,00,000/-
5	Chemistry & Physics Depts.	Renovation and Construction of Ladies/Gents' Washrooms and stores	5,00,000/-
6	Girls' Washroom	Renovation	2,00,000/-
7	Commerce Dept.	New Seminar Room	10,00,000/-
8	Area in front of Office, Chemistry Dept, Commerce Dept. and English Dept.	Relaying of Lawns	5,00,000/-
9	Computer Science , Electronics, Home Science, Maths, Chemistry, Zoology, Botany Dept.	Renovation	18,00,000/-
10	Installation of Generator Set of 125 KVA, Installation of Control Panel		11,00,000/-
11	Installation of 14 RO Systems		3,00,000/-
12	Wi-Fi Campus		25,00,000/-
		Total	**1,40,00,000/-**

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SNo.	Department / Place	Work Undertaken	Approximate Amount (Rs.)
1	Administrative Office	Renovation of Principal's office, Head Clerk room, office store	4,50,000/-
2	Girls Common Room and Canteen	Addition of furniture	3,00,000/-
3	Seminar Room and Auditorium	Air conditioning, Paneling, New Chairs	16,00,000/-
4	Library	Renovation, Stacks, Air conditioning, Furniture	21,00,000/-
5	Commerce and Computer Dept	Renovation and addition of washrooms.	6,00,000/-
6	Area near English Dept. to Basket Ball Court	Inter-locking tiled passage	5,00,000/-

7	Corridors of Botany, Zoology, Electronics, Computer Dept., Corridors of First floor class rooms 22-40, Stairs, Fee Counter, Doctors' Room	Tile work	15,50,000/-
8	Underground electrical wiring first floor and ground floor corridors and shifting all main electrical cables on roof top		8,00,000/-
9	New Basket ball court		7,00,000/-
10	Renovation of sports complex		8,00,000/-
Total			**92,00,000/-**

Optimal Utilization of Infrastructure is ensured through the following:

- Timely maintenance and up-gradation in line with changing needs.
- Regular information regarding infrastructural facilities is provided to the stakeholders.
- Expert opinion is sought, wherever required, to ensure optimum use of space and resources.

Future Plans:

1. **Sports Complex:**
   - New Badminton Court
   - New Gymnasium with multi gym equipment
   - Separate TT Room
   - Toilets
   - Two Green Rooms for Boys and Girls
   - Shooting Range
2. **Cafeteria with separate sections for:**
   - Students
   - Staff
   - Visitors
   - Recreation Room for indoor games and magazines
   - First Aid Room
3. **Administrative Block**
4. **Library:** Air conditioning , Cafeteria , toilets, digital section
5. All class rooms to be converted into smart class rooms

6. E-studio
7. E-content generation labs
8. IT Management section

Master Plan: Attached as annexure

4.1.4 How does the institution ensure that the infrastructure facilities meet the requirements of students with physical disabilities?

The college is fully sensitized to the needs of students with physical disabilities. It ensures that their needs are well taken care of by providing the following facilities:

- Allowing their vehicles inside the campus right up to their academic block.
- Ramp facility for those students who cannot use stairs or those who use electrical wheel chairs.
- Ensuring that all their classes are on ground floor.

4.1.5 Give details on the residential facility and various provisions available within them:

The institution does not offer either Hostel or Residential Facilities for the staff.

4.1.6 What are the provisions made available to students and staff in terms of health care on the campus and off the campus?

- A qualified part-time visiting doctor is available for the students and the staff daily.
- The General Civil Hospital and Private Medical Practitioners are available within a vicinity of one km from the campus.
- In cases of emergency, immediate care is provided by the institution by transporting the patient to the appropriate medical facility.
- A new Medical Room with First-Aid Facility has been added.
- First-Aid is available with the Sports Department, NSS Office, Biology Department, at the Main Gate and the Youth Red Cross Unit of the College.
- Every year the Home Science department of the college celebrates Nutrition Week emphasizing on the health and nutritional aspects of the students.
- Regular Hb Testing and health check-up Camps are organized in the college.
- Guest Lectures by eminent doctors of the area are organized.
- YRC organizes workshops on First-aid to increase awareness among students.

4.1.7 Give details of the Common Facilities available on the campus–spaces for special units like IQAC, Grievance Redressal unit, Women's Cell, Counselling and Career Guidance, Placement Unit, Health Centre, Canteen, recreational spaces for staff and students, safe drinking water facility, auditorium, etc.

The following Common Facilities are available for Special Units:

- **IQAC**
  - Fully furnished IQAC Office with internet, computer, printer, fax and projection facilities
- **Counseling and Career Guidance**
  - Fully furnished CGC Room with internet, computer, printer, fax and projection facilities
- **Placement Cell**
  - The college has a fully-functional Placement Cell which takes care of on and off-campus placements, organizes placement drives and other related events.
- **Health Centre**
  - Managed by a qualified doctor; first-aid facility; sick-bed facility.
- **Canteen**
  - Spacious, modern canteen with excellent seating arrangement for staff and students and multi-cuisine refreshments. It has a hygienic kitchen area and a self-service counter.
- **Recreational spaces for staff and students**
  - A fully furnished AC staff room with kitchen area, rest-rooms, display boards, LCD panel and intercom facility.
  - Girls' Common Room has recreational facilities like newspapers, magazines, carom boards and LCD TV. It also has a Sanitary Napkin Vending Machine with incinerator facility. New furniture has recently been added to it.
- **Safe drinking water facility**
  - Coolers with RO system have been installed at various strategic locations in the college for students.
  - All Departments have been provided with RO Systems for safe drinking water.
- **AC Auditorium**
  - Seating Capacity of over 700 people
  - Fully Air Conditioned
  - State-of-the Art Sound & Light System
  - Panoramic LCD Projection System
  - Power controlled curtains and cyclorama
- **Other Facilities**
  - Vast parking area for students and staff
  - CCTV cameras installed throughout the campus
  - Special security services deployed

4.2 Library as a Learning Resource

4.2.1 Does the library have an Advisory Committee? Specify the composition of such a committee. What significant initiatives have been implemented by the committee to render the library, student/user friendly?

There are two committees which look after the working of the Library — Library Advisory Committee and the Library, Audio-Visual Rooms and Internet Up gradation Committee. All Heads of the Departments are the members of the Library Committee. Their composition is as follows:

- **Library Advisory Committee**
  - It is headed by the senior-most HOD of the college with the Librarian as its Secretary. Presently it has 17 members including all HODs.
- **Library, Audio-Visual Rooms and Internet Up gradation Committee.**
  - It is headed by the Librarian and currently has 08 members.

The following initiatives have been taken up to make the Library user/student friendly:

- Up gradation of Library Automation
- Full access to internet in the Library
- Subscription to e-resources
- Installation of CCTV cameras for better surveillance
- Updating of Library Collection Procedure
- Strengthening of Reprographic Facility for Students
- Installation of OPAC on KIOSK
- AC Reading Hall
- Book Bank Facility for meritorious, needy, SC/BC and Minority students
- Separate Reference Section
- Online searching of Books and E-resources through College Website.
- Set up of server in Library containing Tutorials, E-Books, Projects, Case Studies, PPTs, Question Banks and Videos which can be downloaded by the students.
- Strengthening of Departmental Libraries and setting up of departmental libraries in more departments.
- 20 computers have been installed for students and staff for:
  - Searching Books on OPAC
  - Downloading and printing E-Books.

- Reading free online Dictionaries and Encyclopedia.
- Viewing E-Resources (CDs, DVD, Tutorials)
- Viewing and download E-Journals from INFLIBNET.

- Orientation program for students and staff regarding use of OPAC, KIOSK & E-Resources.

4.2.2 Provide details of the following:

❖ **Total area of the library (in Sq. Mts.)**

Total area of the library: 981 sq. mts.

❖ **Total seating capacity**

It has a sitting capacity of 200 persons

❖ **Working hours (on working days, on holidays, before examination days, during examination days, during vacation)**

08.30 hrs to 16.00 hrs

❖ **Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)**

- Stacking & Reading Hall
- Circulation Section
- Reference Section
- Periodical & Reading Room
- E-resources & Internet Access Area
- Audio Visual Room
- Technical and Administrative Section.
- Reprographic Facility Area

4.2.3 How does the library ensure purchase and use of current titles, print and e-journals and other reading materials? Specify the amount spent on procuring new books, journals and e-resources during the last four years.

- The Heads of the various Departments recommend titles and journals after consulting their departmental colleagues.
- Similarly, grants for books and journals from various agencies are utilized in consultation with various departments.
- Old and outdated editions of text books and reference books are regularly written off and new editions are added.

Amount spent during the last four years is as follows:

Library holdings	Year – 1 2012-13		Year – 2 2013-14		Year – 3 2014-15		Year-4 2015-16	
	No	Total Cost	No	Total Cost	No	Total Cost	No	Total Cost
Text books	630	90736/-	616	111565/-	648	108924/-	1038	180766
Reference/General Books	1628	515391/-	724	191082/-	332	93085/-	1261	422910
Journals/ Periodicals/ Newspapers	102	64620/-	108	95997/-	103	66819/-	105	94231
E-resources	140000/-	5000/-	140000	5000/-	140000	5000/-	140000	5000/-
Any other (Printing)	—	22411/-	—	15667/-	—	28862/-	—	27505/-

4.2.4 Provide details on the ICT and other tools deployed to provide maximum access to the library collection?

- **OPAC**
  Computerized OPAC installed on KIOSK
- **Electronic Resource Management package for e-journals**
  Not Available
- **Federated searching tools to search articles in multiple databases**
  Not available
- **Library Website**
  The college website contains a full-fledged section on the library, providing exhaustive information about Books, Print Journals, CD's, DVDs and E-Resources. It also contains a link to search the books and E-Resources available in the library to issue.
- **In-house/remote access to e-publications**
  Login and password has been given to the users to access N-LIST e-resources at remote places and also through free Wi-Fi access in the library premises. Computer Systems have also been provided in the library to access information.
- **Library automation**
  Library operations have been automated with the help of Library Management Software: LIBSYS.
- Total number of computers for public access
  There are 20 computer systems for public access.
- **Total numbers of printers for public access**
  There are 02 Laser Printers for public access.
- **Internet band width/ speed 2 Mbps, 10 Mbps,1 GB**
  Broadband Internet Access is available through Leased Line and WI-FI

facility.

Leased Lines (02): BSNL 2 Mbps; Airtel 20 Mbps; 2 BSNL Broadband Connections of 512 KB each.

- **Institutional Repository**

  The college has recently developed its ERP based CIMS which acts as the Institutional Repository for storing the entire Institution related information database of the stakeholders. College web site also contains administrative documents.

  College Library has a server connected with intranet which acts as institutional repository containing Research papers, theses and dissertations, copies of Books and chapters edited, Minor and Major Projects of staff, student projects and e-contents.

- **Content management system for e-learning**

  The college library has a dedicated server which stores all e-content which can be easily accessed by the students.

- **Participation in Resource sharing networks/consortia (like INFLIBNET)**

  Our library is a member of the N-LIST consortium of INFLIBNET (to access e-resources) & Consortium for Educational Communication.

4.2.5 Provide details on the following items:

- **Average number of walk-ins:**

  550 per day

- **Average number of books issued/returned:**

  150 per day

- **Ratio of library books to students enrolled:**

  20 books per student

- **Average number of books added during last three years:** 650 books per year

- **Average number of login to opac (OPAC)**

  50 per day

- **Average number of login to e-resources:** 20 per day

- **Average number of e-resources downloaded/printed:** 100 per day

- **Number of information literacy trainings organized**

  10 days Orientation cum Literacy Program is organized in the beginning of the session and thereafter as per the needs of the stakeholders.

- **Details of "weeding out" of books and other materials**

  Regular weeding out of books and periodicals is done during vacations

4.2.6 Give details of the specialized services provided by the library

- **Manuscripts:** Nil
- **Reference:** Reference services are provided to students in two forms i.e. E-resources and Reference Section in the library.

- **Reprography**

  Two Xerox machines cater to the reprographic needs of the students**.**

- **ILL (Inter Library Loan Service):** Not Available

- **Information deployment and notification (Information Deployment and Notification)**

  Information regarding New Arrivals, availability of resources and information regarding Career and Higher Education opportunities in National Level Institutions is displayed on the library notice boards.

- **Download**

Session	No. of Teachers	Downloads
2016-17	20	4200

- **Printing**

No. of Teachers	Prints
50	8000

- **Reading list/ Bibliography compilation**

  The Library has complete facilities regarding Reading Lists and Bibliography

- **In-house/remote access to e-resources**

  Users can access e-resources in house as well as at remote locations

- **User Orientation and awareness**

  User Orientation Program is conducted at the beginning of each session

- **Assistance in searching Databases**

  The Library staff is specially trained to assist users in searching databases

- **INFLIBNET/IUC facilities**

  Access to N-LIST INFLIBNET resources is available in the library

4.2.7 Enumerate on the support provided by the Library staff to the students and teachers of the college.

The Library Staff is highly sensitized to the needs of the staff and students, especially first time users. They provide assistance in all areas of library related search like:

- Book Search
- Database Search
- Make available the latest syllabi and question papers of all classes
- Keep a record of newspaper clippings related to college news
- Any other general help related to the library
- Reprographic Facility
- Old Newspapers are retained for future reference for a period of one year.
- Old Result Gazettes of University Examinations are available.
- Copies of Major and Minor Research Projects, Annual Reports and College

Magazines are available for reference.

- Organization of Books on shelf according to DDC System.
- Apprenticeship/Professional training to students of Library Science.

4.2.8 What are the special facilities offered by the library to the visually/physically challenged persons? Give details.

- Audio visual documents are available in the library for the visually/physically handicapped persons.
- The library is connected through a ramp for the physically handicapped.

4.2.9 Does the library get the feedback from its users? If yes, how is it analyzed and used for improving the library services. (What strategies are deployed by the Library to collect feedback from users? How is the feedback analyzed and used for further improvement of the library services?)

- User Feedback is taken and analyzed to improve the library facilities.
- Feedback is taken from the students through suggestions and by getting a structured questionnaire filled at the end of the session.
- Online Feedback on Library Resources is collected through CIMS.
- The suggestions given by the stakeholders through various feedback channels are then placed before the Library Up gradation Committee and necessary remedial measures are taken.

4.3 IT Infrastructure

4.3.1. Give details on the computing facility available (hardware and software) at the institution.

- **Number of computers with Configuration (provide actual number with exact configuration of each available system)**

Type	Number
Desktops	365
Laptops	066
Servers	010
Apple IMac	001
Total	**442**

Detailed Configuration

SNo.	Configuration	Make	Total Computers
1	Dell Optiplex 3020 Desktop PC Intel Dual Core i5 4 th Gen RAM DDR-III 4GB Hard Disk 500 GB Keyboard Mouse LED 18.5"	Dell	15
2	Dell Laptop Latitute E5450 Intel Core i5 5 th Gen 5300 RAM 4GB Hard Disk 500GB Win 7 Pro Pre installed with 8.1 Pro License and Media Screen 14"	Dell	15
3	IBM Server Two Socket Tower X3500 M4 Intel Xeon E5 2620 V2 C6core1 2.10GHZ 15 MB 1333 MHZ 1X8 GB HDD 500 Sata Interfrated Raid 01 1115	IBM	01
4	Dell Optiplex 3020 Desktop PC Intel Dual Core 4 th Gen RAM DDR-III 2GB Hard Disk 500 GB Keyboard Mouse LED 18.5"	Dell	50
5	Dell Laptop Vostro i5 3546 (400SV) Intel Core i3 4th Gen Ram 4GB HDD 1TB	Dell	15
6	Acer Desktop Intel Dual Core 4th Generation G3220@3.0GHZ 2GB RAM DDR-III 500 GB Sata HDD Key Board Mouse 15.6" TFT Screen	Acer	25
7	Wipro Desktop Intel Dual Core 2nd Generation 2GB RAM HDD 500GB Key Board Mouse 15.6" TFT	Wipro	50
8	Wipro Laptop Intel Core i5 with 4GB RAM 14.1 LCD display Direct X 10 Suport HDD 320GB Camera 1.3 Bluetooth DVD Writer Carry Bag	Wipro	15
9	Wipro Laptop Intel Core i5 with 2GB RAM 14.1 LCD display Direct X 10 Suport HDD 320GB Camera 1.3 Bluetooth DVD Writer Carry Bag	Wipro	09
10	Wipro Server Sandy Bridge with 8GB RAM 500GB HDD DVD writer key Board Mouse	Wipro	02
11	Wipro Pentium Dual Core 2.6GHZ with G31 Chipset1GB DDR-II RAM 250GB HDD Lan Card Key Board Mouse 15.6" TFT Screen	Wipro	70
12	Server XEON 1TB HDD 4GB RAM dual display card Fire wire card 19" TFT	Wipro	05
13	Apple IMAC Core i3 3.06GHZ 4GB RAM 500GB HDD ATI Radeon with 256 MB	APPLE	01
14	Wipor Laptop Core 2Dua 4GB RAM 320GB HDD Wi.FI Lan Card Reader 14.1" Screen DVD Writer Carry Bag	Wipro	08

15	Assembly Cabinet Mother Board Intel 945 160GB SATA HDD RAM 1GB DDR-II Processor Intel Dual Core 2.5GHZ	Intel	02
16	Wipro Pentium Dual Core 2.5GHZ 1GB DDR-II RAM 160GB HDD Lan Card Key Board Mouse 15" TFT Screen	Wipro	69
17	Assembly Cabinet Mother Board Intel 945 160GB SATA HDD RAM 1GB DDR-II Processor Intel Dual Core 2GHZ	Intel	10
18	Wipro Dual Core 2.8GHZ 1GB DDR-II RAM 160GB HDD 17" TFT Screen	Wipro	01
19	Laptop Core 2Due 1.5GHZ 1GB DDR-II RAM 160GB HDD 14" TFT Screen	Wipro	01
20	Wipro Server Xeon 1.86GHZ 2GB RAM 250X2 HDD DVD Writer Lan Card 17" Monitor Key Board Mouse	Wipro	01
21	Wipro Dual Core 1.8 GHZ 945 Chipset 160GB HDD 1GB RAM DDR 2 Key Board Mouse 17" TFT	Wipro	20
22	Assembly Cabinet Mother Board Intel 945 P-IV 80GB SATA HDD RAM 512MB DDR-II Processor Intel Core 1.6GHZ 17" TFT	Intel	03
23	Wipro Laptop Celeron 1.73 GHZ 512 MB DDR-II RAM 80 GB HDD Combo Drive 15.4" TFT Sreen	Wipro	01
24	Wipro Laptop Core 2 Dual 1.6 GHZ 512 MB DDR -II RAM 80GB HDD 14.1" TFT Screen	Wipro	01
25	Wipro Ivalue Desktop Pentium Dual Core 2.8 GHZ Intel 945 Chipset Mother Board 80 GB HDD 512 MB DDR RAM Key Board Mouse 17" Monitor	Wipro	15
26	Wipro Ivalue Desktop Processor Pentium Dual Core 2.66 GHZ Intel 865 G Chipset Mother Board 80 GB HDD 256 MB RAM 17" Monitor	Wipro	09
27	Wipro P-IV 2.66 GHZ 845 Intel Chipset 256 MB DDR RAM 40GB HDD CD Rom 52X 1.44 MB FDD 17" Color Monitor	Wipro	11
28	Wipro Ivalue 845 GVA/i845 GVA Chipset P-IV 2.26(512 Cache) 533MHZ 128MB DDR RAM PC333 40GB Key Board Mouse 15" Monitor	Wipro	04
29	Wipro Net Power 1115 P-4 3.0GHZ with IMB Cache@800MHz Intel 875 P Chipset 32 bit Pci Slots 460 Power watt Supply 512MB DDR PC266 RAM 80GB SATA 1.44MB FDD CD Writer keyboard Mouse	Wipro	01

30	Wipro Laptop Litle Genius 400D Intel P-IV 2.6GHZ 256 MB SD RAM 30GB HDD 14" TFT CD writer	Wipro	01
31	Wipro Super Genius 10845 Intel 845 GL Chipset P-IV 1.9 GHZ C256 K Cache 128 DDR RAM 40 GB HDD 1.44 MB FDD 104 KBD Scroll Mouse 15" Color Monitor	Wipro	02
32	Wipro Super Genius 800 GH Intel 865 G Chipset P-IV 2.4 GHZ C512 KB 128 DDR RAM 40 GB HDD 104 KBD Scroll Mouse 15" Color Monitor	Wipro	02
33	Server Wipro Net Power 1112 Z Intel D P2.4GHZ 256 Mb DDR RAM / Regece 36 GB SCSI 68 Pinultras 32010 RPM 1.44 MB FDD CD Writer 104 KBD Scroll Mouse 15" Monitor	Wipro	01
34	P-IV 1.7 GHZ/1.44 MB FDD /40GB HDD Mouse 104 KBD 14" Color Monitor	Wipro	03
35	P-IV 1.6 GHZ/1.44 MB FDD /20GB HDD 4XAGP with 32 MB /PGI Based 10/100 MBPS Ethernet Mouse 104 KBD 14" Color Monitor	Wipro	01
36	P-IV 1.5 GHZ/1.44 MB FDD /20GB HDD 4XAGP with 32 MB /PGI Based 10/100 MBPS Ethernet Mouse 104 KBD 14" Color Monitor	Wipro	01

Computer-Student ratio: 1:1

- **Stand alone facility:** Nil (Wi-Fi Campus)
- **LAN facility:** 442 Computers

Wi-Fi facility: Broadband Internet Access is available through Leased lines and WI-FI facility.

Leased Lines (02): BSNL 2 Mbps; Airtel 20 Mbps; 19 BSNL Broadband Connections of 512 KB each.

- **Licensed software**

The college possesses licensed software worth Rs 19, 04,653 and upgraded Software worth Rs.21, 5000/-

Sno.	Name	Licensed
1	Visual Studio 6.0, VS .net 2003 Media Kit, VS .net 2003 Paper Licence, VS Pro 2013 SNGL olp Acdmc, MS Visual Studio Professionl 2013	17
2	Oracle 8i, Oracle 11g Standard one edn for window 5 user	02
3	Languages: Cobol, Turbo C++, Borland Turbo C++ Suit, Turbo Pascal, Fortran 77	09

4	Office-2000, Office XP Prof.Media Kit, Office XP Prof.Paper Licence Kit,Office Pro Plus 2013 Sngl OLP Acdmc, Office 2013 Sngl olp NI Acdm	42
5	Tally 6.3 Multiuser Pack, Tally ERP Single User Silver Box, Tally ERP 9.0 Multiuser Gold	03
6	Adobe Page Maker 7.0	03
7	MS Window 2003 Standard Server with 14 Client Access License	01
8	PCB Designing Software DIP Trace Edition	01
9	Smart Prog 2 40 Pin Universal Programmer	01
10	WinSL 8 Sngl olp Nl Acdmc Legalization Get Genuine, Win Pro 8 Sngl Upgd olp Nl Acdmc, Win Sl 8.1 Sngl olp Ni Acdmc Legalization	80
11	SQL Svr Std 2012 SNGL , SQL Server 2014 Microsoft SQL Server 2014	03
12	Adobe Flash Professional CS6 12 Academin Licence, Adobe Flash Professional CS 12	02
13	Adobe Dreamweaver CS6 12	01
14	Nebero Firewall	01
15	Clarity SNET Class Communication Lab Software along with Clarity English Success and Soft Skills and personality development Software	01
16	Clarity Language Learning Software Tense Buster	02
17.	College Information Management System	01

- **Number of nodes/ computers with Internet facility:** 442
- **Any other**

1) Central Computing facility
2) Networking tools
3) Online KIOSK in the central library for online access of books and related information to the students as well as the faculty of the college.
4) INFLIBNET in Central Library.
5) SMS facility to students as well as faculty members
6) Spoken tutorials for students in association with IIT Bombay for enhancement of core-competency.
7) Student blog on the web site where students submit their projects, assignments and share their work with their peers and faculty.
8) Teacher Blog on the web site where teachers can post their PPTs, e-notes, audios and videos for student reference and can also share with each other.
9) Link of CEC (Consortium for Educational Communication) on college web site for the students of Science & Commerce department for online access to e-resources.

4.3.2 Detail on the computer and internet facility made available to the faculty and students on the campus and off-campus?

The institution is proactive about providing ICT resources to its staff and students. It realizes the pivotal role that computers and internet play in augmenting the teaching-learning process.

- A total of 442 computers are in use in the college.
- Laptops are given to HoDs of all the departments and to In-charges of various special facilities like NCC, IQAC, CIMS, Website In-charges, among others.
- Every department has its own computer and internet facility.
- Wi-Fi facility is available throughout the campus with 2 leased lines (20 Mbps from Airtel & 2Mbps from BSNL) to the staff and students on the computers as well as on their mobiles.
- 19 BSNL Broadband Internet Connections of 512 kbps each are available for various departments.
- The College Library is equipped with 20 computers with printer and internet facility for students and staff.
- A dedicated server at the library is installed to act as institutional repository and provide access to E-books and other E-resources to students and staff.
- College Administrative and Account section is also provided with internet connectivity.

4.3.3 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?

The College upgrades its IT Infrastructure in consonance with change in

- Curriculum
- Student strength
- Teaching learning methodology
- Technological Development

It further plans to upgrade its IT infrastructure and associated facilities by:

- Converting some of the traditional class rooms into smart class rooms by providing the following facilities:
  - Smart Boards
  - Multimedia Projectors
  - Visualizers
  - Podiums
  - Laptops & related accessories
  - Integrated LCD Projection System
- Establishing Virtual Classrooms & laboratories
- Developing E-content
- Establishing video/audio conferencing room for students and staff

4.3.4 Provide details on the provision made in the annual budget for procurement, upgradation, deployment and maintenance of the computers and their accessories in the institution (Year wise for last four years)

Amount spent on procurement of the computers and accessories in the last four years is as follows:

Session	Computers/ Laptops		Printer/Scanner		Online UPS		Accessories/ Projectors
	Qty	Amt	Qty	Amt	Qty	Amt	Amt
2011-12	25	750980	08	50100	02	80850	733981
2012-13	52	1807462	09	299834	01	67200	536373
2013-14	00	00	01	00	03	131267	36740
2014-15	40	1112000	02	16000	00	00	97020
2015-16	81	3416158	13	238180	03	196959	832532
Total	**198**	**7086600**	**33**	**604,114**	**09**	**476276**	**2236646**

Amount spent on up-gradation, deployment and maintenance in the last four years is as follows:

Session	2012-13	2013-14	2014-15	2015-16
Amount Spent	**97203**	**54945**	**61704**	**100,739.00**

4.3.5 How does the institution facilitate extensive use of ICT resources including development and use of computer-aided teaching/ learning materials by its staff and students?

- College has a well-equipped Audio Visual Room which is used by the faculty as well as by students for conducting lectures, making presentations, guest lectures etc.
- Development of E-Content for student friendly teaching & learning environment.
- 12 laboratories of Science departments are equipped with smart boards to supplement the traditional class room teaching.
- Multimedia projectors and laptops are provided in laboratories of many departments to train students to use latest ICT resources.
- College has a well-equipped Language lab for soft skills training of students.
- Workshops are conducted for students as well as for the staff to equip them with IT skills and latest software.
- Visualizers are used by Science departments to demonstrate experiments.
- College also has 04 well-equipped seminar halls where students as well as faculty organize seminars, conferences, workshops using ICT tools.
- Every department is provided with a desktop and internet facility.
- HoDs and In-charges of Special Facilities are provided with laptops.

- The college has a fully Wi-Fi broadband campus where all stakeholders are given free access to the internet.
- The college library provides e-resources in the form of e-journals in the library.
- Spoken Tutorials are available in collaboration with IIT, Mumbai.
- E-Content in the form of documents, audio and video files is available in collaboration with Consortium of Educational Communication, New Delhi.

4.3.6 Elaborate giving suitable examples on how the learning activities and technologies deployed (access to on-line teaching - learning resources, independent learning, ICT enabled classrooms/learning spaces etc.) by the institution place the student at the center of teaching-learning process and render the role of a facilitator for the teacher.

As rot learning is now being discouraged at all levels of education, the institution encourages thinking skills of the students by involving them in various assignments which encourages hands-on activities, games, problem-solving and group dynamics. Using the ICT tools, teachers prepare presentations, tutorials, notes related to their subject and upload on College Information System for students' use.

- It is mandatory for final year students to present seminars in their practical labs where students collect, summarize and present information about any subject-related or current topic using internet & ICT tools which inculcate the habit of independent learning on one hand and enhances their IT & Presentation skills on the other.

- College runs soft skill training programs, where students are given group assignments to solve real life problems and they work together in groups to solve the problems. It improves their communication and interpersonal/social skills, enhance their leadership skills and increase creativity.

- Students are also assigned real life projects where students are required to draw on lessons from several disciplines and apply them in a very practical way.

The above activities place the student at the center of teaching-learning process. Since they require an enhanced ICT enabled teaching-learning environment, the college has deployed following ICT tools:

- Wi-Fi Campus with two leased lines
- All Science labs are equipped with LCD Projectors
- 12 labs are equipped with Smart Boards
- Science labs have Visualizers for virtual demonstration.
- There are 442 computers and laptops.

- 8 class rooms changed to smart class rooms
- College library has dedicated server to store E-tutors, E-Books, Projects, PPTs, Videos, Question banks, Course Notes which are accessible through computers available in library to implement self learning.
- Well established Language lab with 24 nodes, Smart Boards, internet connectivity and software for Soft skills viz Clarity SNET, Class Communication lab software for one teacher plus 30 students along with English Success, Soft Skills and Personality Development Program, and Clarity language learning software: Tense Buster V9 software.
- Virtual Dissection Software

Details of ICT Tools

S. No	Particulars	Quantity
1	Language Lab	01
2	ICT Classrooms	08
3	Computers in Library	20
4	Wi-Fi Facility	2 Leased Lines, Nebero Firewall, 36 AP & Accessories
5	Computers in Departments & Labs	442
6.	Wacom Digital Pen Display	05
7.	Projectors	31
8.	Visualizers	03
9.	Smart Board	11

4.3.7 Does the Institution avail of the National Knowledge Network connectivity directly or through the affiliating university? If so, what are the services availed of?

The process is at the planning stage.

4.4 Maintenance of Campus Facilities

4.4.1 How does the institution ensure optimal allocation and utilization of the available financial resources for maintenance and upkeep of the following facilities (substantiate your statements by providing details of budget allocated during last four years)?

The college finance is managed by Finance Committee that oversees the utilization of available allocation of budget:

- The realization of anticipated income as well as actual expenditure is monitored.
- Provisions in the Annual Budget for Computer procurement and Maintenance and upkeep of campus infrastructure are provided.
- Optimal allocation and utilization of the available financial resources for maintenance and upkeep of the above facilities is ensured through the following procedure:
- The Principal convenes a meeting of every Department / Committee at the

end of each session to discuss different types of requirements in terms of Building, Furniture, Equipment, Computers and Vehicles etc. which are then forwarded to the Finance Sub-Committee.

- The composition of the committee for the current session is as follows:
  1. Principal (Chairperson)
  2. Mr. Rajeev Chander Sharma, HoD, Dept. of Commerce & Management. (Authorized Signatory).
  3. Mr. Praveen Mathur, HoD, Dept. of Electronics & IT. (Authorized Signatory & Former Bursar of the College).
  4. Dr. Sunil Kumar Sharma, HoD, Dept. of Physics & present Bursar. (Member-Secretary).
  5. Mr. Sukhdev Chauhan, Head Clerk.

Thereafter, the Finance Committee prepares a proposed budget for the consideration and approval of the management.

Budget Details

S.No	Facility	2012-13	2013-14	2014-15	2015-16	Total
1	Building	5798344.51	777187	2818836	2941794.2	12336161.71
2	Furniture	237955	33500	93486.5	58148.5	423090
3	Equipment	598531	152346	414107	408222	1573206
4	Computers	97203	54945	61704	100739.00	314591
5	Vehicles	48528	109356	189136	118035	465055
6	Any Other	00	196222	300322	344192	840736
	Total	**6780561.51**	**1323556**	**3877591.5**	**3971130.7**	**15952839.71**

4.4.2 What are the institutional mechanisms for maintenance and upkeep of the infrastructure, facilities and equipment of the college?

- The college has 03 technicians for maintenance of hardware and software of IT infrastructure.
- Maintenance of 03 Generators is done through AMC
- Cleaning of campus including parking areas, toilets, washrooms etc is undertaken regularly.
- Garden Maintenance and landscaping and beautification of the campus is undertaken by a committee specially constituted for the purpose.
- All ROs and Water Coolers are covered under AMC.
- General cleanliness of all classrooms, labs, offices, dept. rooms corridors etc. is done by the staff appointed for the purpose under the supervision of the Office Superintendent.
- The Physical Education Dept. of the college has its own permanent Ground Staff to look after the maintenance of the sports facilities including college grounds.
- Every department has its own sub-committee for the maintenance and upkeep of equipment. This committee is responsible for all types of repair, calibration and general maintenance. The following SOP is followed:

Initiation > Execution > Documentation

4.4.3 How and with what frequency does the institute take up calibration and other precision measures for the equipment/ instruments?

- All the instruments/equipments in the laboratories are well maintained and standard operation procedures are followed whenever used.
- Regular maintenance of instruments is also done through departmental funding as well as funding from external funding agencies. Before, procuring instruments, the "Departmental Committee" assesses the need of procuring the instruments, and then recommends it for purchase.
- For minor instruments like pH meter, conduct meter, potentiometer etc., calibrations are done every day, just before using the instrument.
- The process followed for calibration is as per standard methods (use of standard solutions like potassium chloride, potassium hydrogen phthalate, buffer solutions etc.)
- For high-end instruments like HPLC (High Performance Liquid Chromatography), IR (Infra Red Spectrometer), GC (Gas Chromatography), AAS (Atomic Absorption Spectrometer) and UVV Spectrophotometer(s), the method used for calibration varies according to the instrument as per standard operating procedures (SOP)

4.4.4 What are the major steps taken for location, upkeep and maintenance of sensitive equipment (voltage fluctuations, constant supply of water etc.)?

Electricity and water supply are two areas which require critical handling and maintenance. A sub-committee supervises the installation, operations & maintenance of all such equipment. Full time regular operators have been employed for this purpose. The college has replaced conventional tube-lights and CFLs with LED lights and conventional high-voltage fans with low-voltage consumption fans.

Presently, the following facilities are available:

- 220 KVA Power Sub-Station
- 332 KVA Captive Power Plant for backup
- Capacitor Bank
- Dedicated Panels for power distribution to different blocks
- On-line UPS for all the computers, KT, EPABX Systems.
- AMC for CPP
- 06 coolers and 14 RO Systems
- 03 Tube-wells for Drinking Water, Gardening and Wash-rooms.
- Main Circuit Breaker (MCB) and Earth Leakage Circuit Breaker (ELCB) at prominent power supply units.

- The college has two main water storage tanks of 35,000 liters and 10000 liters capacity.

Any other relevant information regarding Infrastructure and Learning Resources which the college would like to include.

Infrastructure and Learning Resources are like the hardware and software respectively for the students and teachers in any institution — both need to be latest and of high quality for getting optimum output. It is our endeavor to provide the best of both in order to create a highly conducive teaching-learning environment in the college.

In today's fast upgrading technology, e-waste is a big problem to deal with. The institution has chalked out a working plan / system so that minimum of e-waste is generated and is also disposed off regularly in a judicious manner.

CRITERION V
STUDENT SUPPORT AND PROGRESSION

5.1 Student Mentoring and Support

5.1.1 Does the institution publish its updated prospectus/handbook annually? If 'yes', what is the information provided to students through these documents and how does the institution ensure its commitment and accountability?

The College Prospectus is updated and published annually. It acts as a consolidated Handbook of Information for admission and general information for the students. A copy of the same is also available on the college website. All information required by new admission seekers and old students is contained in the prospectus. It includes:

- Complete Admission Schedule & Process
- Complete details regarding Courses of Study with eligibility, syllabi of all classes, papers to be studied and subject combinations available.
- Faculty Information
- Support Staff Information
- University Rules & Regulations
- College Guidelines
- Library Rules
- New Courses Introduced
- Ant-Ragging Policy
- Information regarding main facilities like, IQAC, CGC, Women Cell, Placement Cell etc.
- Information about Cultural, Sports, NCC & NSS activities
- List of Scholarships
- RTI Cell

The institute is committed to the needs of the stakeholders. It strives to work transparently and is accountable to the stakeholders.

5.1.2 Specify the type, number and amount of institutional scholarships / freeships given to the students during the last four years and whether the financial aid was available and disbursed on time?

Details of the institutional scholarships / freeships given to the students during the last five years is given below and was available and disbursed on time.

Session	2011-12		2012-13		2013-14		2014-15		2015-16	
Type of Scholarship	**No**	**Amt. (Rs.)**	**No**	**Amt (Rs.)**	**No**	**Amt**	**No.**	**Amt**	**No.**	**Amt**
SC/ST	76	326924	102	988198	139	1424004	169	1713516	94	1352785
BC/OBC	62	138235	92	183975	98	223145	126	299630	51	118575
KUK Merit	04	40000	03	10800	08	18200	02	20000	—	—
Private	22	46000	52	106000	41	50600	40	76900	50	127000
Alumni	**77**	84550	59	51050	32	39800	31	40000	78	160000
POSE	—	—	—	—	06	60000	03	30000	08	80000
OMSP	—	—	—	—	03	29365	05	64802	—	—
Total	**241**	**635709**	**308**	**1340023**	**327**	**1845114**	**376**	**2244848**	**136**	**1838360**
Type of Concession	**No**	**Amt**	**No**	**Amt**	**No**	**Amt**	**No**	**Amt**	**No**	**Amt**
EWC	162	201968	175	253522	52	61451	25	54754	05	19240
FFM	262	166871	204	147613	129	88722	232	173473	245	325645
HFC	29	2540	12	960	12	1740	59	4220	23	24520
BPL	—	—	—	—	21	29817	12	18157	—	—
Sports	—	—	—	—	86	157644	104	181362	64	162740
FFC	56	7700	38	12650	17	11400	63	10790	68	72175
Special	—	—	—	—	—	—	05	34923	06	48940
EWS	—	—	—	—	—	—			18	64365
Total	**509**	**379079**	**429**	**414745**	**317**	**350774**	**500**	**477679**	**429**	**717625**
BSR Projects	—	—	48	96000	—	—	42	84000	—	—
Grand Total	**750**	**1014788**	**785**	**1850768**	**644**	**2195888**	**918**	**2806527**	**565**	**2555985**

5.1.3 What percentage of students receive financial assistance from state government, central government and other national agencies?

Percentage of students receiving financial assistance from state government, central government and other national agencies = 09.30%

5.1.4 What are the specific support services/facilities available for:

Students from SC/ST, OBC and economically weaker sections

- Partial & Full Fee Concessions
- Scholarships by Govt. as per their norms & Private Agencies
- Book Bank Facility
- All other concessions as provided and recommended by the Central and State Govt. from time to time.

Students with physical disabilities

- Classes are held on the Ground Floor
- Ramp Facility
- Priority is accorded in disseminating any kind of service by the college office.
- Only University Charges are taken from such students.

Overseas students

- NA

Students to participate in various competitions/National and International

- If a student is selected for any National/International competition (s)he is provided full financial support like TA/DA etc.
- Non-financial support by the institution includes Transport Facility/Condoning of deficiency in lectures as per KU norms.

Medical assistance to students: health centre, health insurance etc.

- A fully equipped Medical Room is available with first-Aid Facility.
- First-Aid is also available in the NSS Office, Sports Dept, near the Main Gate, Botany Dept. and YRC Office.
- A part-time qualified doctor is available to provide medical assistance.
- Accident Insurance is provided to students on payment of nominal premium which is charged along with the fee.
- Medical Camps like Eye-testing, Hb Testing, General Health Check-up are organized frequently.

Organizing coaching classes for competitive exams

- The college organized coaching classes for UGC-NET in the subject of English for one year.
- Currently, organized coaching classes for UGC-NET in the subject of Commerce were held are being held.
- The college organized coaching classes for Bank PO and other exams in collaboration with Bull's Eye, Chandigarh.

Skill development (spoken English, computer literacy, etc.,)

- The institution offers the following Add-On and Skill Development Short-Term Courses:
  - Computer Literacy
  - Marketing
  - International Trade Management
  - Office Management and Secretarial Practice
  - Computer Maintenance
  - Computer Applications
  - Cosmetology
  - Functional English
  - Web Designing
  - Personality Development
  - Tally
  - Fiber Optics

Support for "slow learners"

- The needs of the "Slow Learners" are taken care of by organizing informal extra classes.

- Teachers take care to give them extra/special attention during routine teaching.
- Notes are exclusively uploaded on the CIMS for Slow-Learners.

Exposure of students to other institutions of higher learning/ corporate/business house etc.

- Approximately 85 Field Visits have been organized during the last 5 years.
- Regular Visits to Stock Exchanges
- Visits to Industries related to Manufacturing, IT, Electronics, Food Processing etc.
- Visit to the Parliament House, Vidhan Sabha etc.
- Visits to other Universities and HEIs
- Students of Life-Sciences visit hill stations for collection of plants.
- Visit to Research Labs and facilities like CSIO/IDDC

Publication of student magazine

- The college magazine "Sanatan Sancharika" is published annually. It contains the following sections: English, Hindi, Punjabi, Sanskrit, Commerce, Science, News-Section and Photo-Section.

- Students & Staff Members contribute their original creative writings to the college magazine.

5.1.5 Describe the efforts made by the institution to facilitate entrepreneurial skills, among the students and the impact of the efforts.

- Both the Science and Commerce Faculties of the institution organize regular talks/extension lectures by Industry & Government Agency Experts on developing entrepreneurial skills among students.
- Since Ambala Cantt has a large scientific instruments industry and a flourishing network of Haryana State Industrial Development Corporation (HSIDC), the scope of students turning into entrepreneurs is quite high.
- A number of students turn entrepreneurs, especially in the field of scientific instruments industry.
- 06 students of B.Sc. attended One Day National Summit for Start Ups cum Corporate Meet at Ennoble, IP Amity University.

Interaction with Successful Entrepreneurs

SNo	Entrepreneur	Company	No. of Students
1	Mr. Sanjay Gupta	Marx Electronics	110
2	Mr. Kamal Gupta	Media Mind, Industrial Park, Saha	60
3	Mr. Ashutosh Asthana	Bhanu Health Care Pvt. Ltd., Bhadi HP	100

4	Mr. Sunil Madaan	Chase Capital Services Pvt. Ltd. Mohali	100
5	Mr. Jitender Saini	Silex Software, Ambala Cantt	115
6	Mr. Jagjeet	G.Tech Informatics, Ambala Cantt	45
7	Mr. Sunil Ohri	Xport Soft, Ambala Cantt	110
8	Mr. Rohit	Jetking, Noida	150
9	Mr. Kamaljeet Jain	Jain Scientific Works, Ambala	85
10	Mr. Abhishek Mittal	Infra Nirmaan Ltd., Zirakpur	115
11	Mr. A.K. Jain	System Advisor, Panchkula	140

Guest Lectures, Workshops, Training Programs to enhance Entrepreneurial Skills

S.No.	Activity	Guest Faculty	Date
1.	13 Days Training Programme on Entrepreneurship Development	Conducted by Ministry of Micro, Small & Medium Enterprises Development Institute, Karnal	12-23 Nov 2013
2.	1-week Worshop- Meenakari & Pot Painting	Mrs. Asha Verma, Senior Faculty, Pidilite	03 Dec 2014
3.	3- days Worshop- Tanjore painting & Glass Painting	Mrs. Asha Verma, Senior Faculty, Pidilite	19-21 Feb 2015
4.	1- day Workshop- Jewellery Designing	Mrs. Asha Verma, Senior Faculty, Pidilite	09 Apr 2015
5.	Demo Class- Usha Sewing Machine	Mr. Suresh Vyas, Asst Regional Manager, Usha Int. Ltd.	01 Aug 2015
6.	3 days Art & Craft Workshop –cum-Exhbition	Mrs. Asha Verma, Senior Faculty, Pidilite	15-17 Sep 2015
7.	Entrepreneurship Awareness Camp & Industrial Visit	Mr. Jawahar Sharma, Trainer, HARDICON Pvt. Ltd.	21-23 Jan 2016
8.	Training & Industrial Visit	Mr. Jawahar Sharma, Trainer, HARDICON Pvt. Ltd.	23 Jan 2016
9.	Workshop on Career Guidance	Xperia Technologies	9-10 Feb 2016
10.	Guest Lecture on Career Guidance	Team from IIM, Ahmedabad	24 Feb 2016
11.	Extension Lecture on Future & Options in Derivative Market	Mr. Sachin Jasuja, Regional Product Manager, Aditya Birla Money Ltd., Delhi	12 March 2016
12.	2 month Training- Bakery Training at IHM, Jyotisar, Kurukshetra	Under the scheme of Hunar se Rozgar, by Govt, of India	30 May 2016 to 15 July 2016
13.	Extension Lecture on Career Consciousness	Dr. Vivek Chawla, Asso. Prof., UC, KUK	31 Oct 2016

Students who have started their own ventures

Year	**2012-13**	**2013-14**	**2014-15**	**2015-16**
No. of Students	72	75	80	82

5.1.6 Enumerate the policies and strategies of the institution which promote participation of students in extracurricular and co- curricular activities such as sports, games, Quiz competitions, debate and discussions, cultural activities etc.

- **additional academic support, flexibility in examinations**
- **special dietary requirements, sports uniform and materials**
- **any other**

The institution is a pioneer in the field of cultural and other co-curricular activities. It has won the Overall Trophy for Best Performance in the **Zonal Youth Festival, 38 times**. Its accomplishments in the fields of sports and curricular activities are second to none.

Students are motivated and encouraged to participate in extracurricular and co-curricular activities such as sports, games, Quiz competitions, debate and discussions, cultural activities through following strategies and policies:

- Formation of Clubs, Associations and Subject Societies with students as office-bearers; each with its own plan of activities for the session.
- Special Information Desks during admission days, giving information about all such activities.
- Condoning of Lectures for participation in sports and curricular activities as per University Rules.
- The University conducts special exams for National Level Sportspersons and Outstanding Artists who are not able to appear due to their participation in such activities.
- The institute is very liberal in providing special dietary requirements, sports uniform and materials to Sportspersons
- Student participants of different activities like NSS, NCC, YRC and other activities are also provided dietary benefits.
- Scholarships and fee waivers are provided to outstanding sportspersons and artists.
- Such students are also given extra time for submission of assignments; they are given special chances to appear in the class tests.
- Talent Finding Contest is organized in the beginning of the session as a One Day Mega Event, in collaboration with the dept. of Youth & Cultural Affairs, KUK. This motivates both the participants and the audience to participate further in Youth Festival and Intra & Inter College Contests.
- All information related to extracurricular and co- curricular activities such as sports, games, Quiz competitions, debate and discussions, cultural activities including that of different Clubs, Societies and Subject Associations is displayed regularly on the college notice boards; highlighted through banners and charts and regularly uploaded on the college website.

- Students are motivated by honoring them at Annual Prize Distribution Function.
- Entry Fee, TA/DA of the participants in events organized by other institutions is borne by the college.

5.1.7 **Enumerating on the support and guidance provided to the students in preparing for the competitive exams, give details on the number of students appeared and qualified in various competitive exams such as UGC-CSIR- NET, UGC-NET, SLET, ATE / CAT / GRE / TOFEL / GMAT / Central /State services, Defense, Civil Services, etc.**

The institution lays considerable emphasis in providing coaching for Competitive Exams from time to time. Students are also especially motivated to choose such careers and are informed about other suitable coaching opportunities in this area.

Guidance:

- Students are provided exam books and magazines for competitive exams in the library.
- Important dates of competitive examinations are displayed on the college notice boards.
- Presentations are given by teachers related to opportunities in Higher Education and competitive exams.

Support:

- Various workshops and expert lectures are arranged on soft & communication skills to equip the students to crack group discussion and interview rounds.
- Time to time coaching classes are arranged to help the students crack entrance exams like NET, Banking, TOEFL, GMAT etc.

Details of Students who qualified Competitive Examinations

Competitive Examination	No. of Students Qualified
Civil Services	**02**
NET/JRF/GATE/NBHM/AFCAT	**41**
Bank/PO	**29**
CA/CS	**14**
State Level Exam/ Govt. Jobs	**36**
Defence services	**42**
Others	**08**
Total	**172**

5.1.8 **What type of counseling services are made available to the students (academic, personal, career, psycho-social etc.)**

The challenges of the 21st Century require Higher Education to meet a

number of criteria while disseminating knowledge. Given the far reaching changes happening in our social fabric, it is essential that regular Student Counselling is done at various levels. The institution provides this facility in the following manner:

- Academic and Career Counseling during admission days & thereafter through the Placement and Career Guidance Cells.
- Personal & Psycho-Social Counseling by experts during PDP sessions.
- All types of Counselling by experts as a part of Extension/Guest Lectures organized by various Clubs, Associations and Societies.
- Teachers undertake Personal Counselling in Class Rooms.
- Psycho-Social Counselling is also done during camps organized by NCC, NSS and Youth Red Cross Units.
- Women Cell of the college organizes Gender Specific lectures for girls every year. This year a series of lectures was organized addressing issues like common health problems among women, health and nutrition and maintaining healthy lifestyle.
- Special workshops on career development are organized by Placement Cell and CGC.
- **500** students attended the motivational lecture on Life Skills by Life Coach, Mr Naveen Gulia.
- **350** students attended the motivational lecture on Life Skills by Life Coach, Ms. Samriti Bhardwaj

5.1.9 Does the institution have a structured mechanism for career guidance and placement of its students? If 'yes', detail on the services provided to help students identify job opportunities and prepare themselves for interview and the percentage of students selected during campus interviews by different employers (list the employers and the programmes).

The institution has a fully functional Career Guidance Cell (CGC) and a Placement Cell (PC) for career guidance and placement and to help students identify job opportunities and prepare themselves for interview.

Interview & Soft Skills

1. **350** students were trained for Personality Development and Soft Skills, training module of duration 100 hours distributed over whole year by professional trainers, Dr. Joy Sidhu & Dr. Meera Sharma.
2. **25** students were trained in soft skills training program of one year duration by professional trainers form LEAP Skill Academy.
3. **50** students of B.Com, B.Sc. and B.A were trained in interview skills in two days workshop by Mr. Praveen Sharma from Amity University.
4. Three days workshop on "Placement Preparation" was conducted by Mr. Praveen Sharma from Amity University who trained **100** students of B.A, B.Sc. and B.Com.
5. **60** students of B.Com were trained in soft skills by WNS, NASSCOM.

6. **45** students of B.Com were trained in personality development skills in a workshop on "Elevate-A Road towards Future" by Mr. Parth Ashok Narang.
7. **40** students of B.Sc. III and B.C.A.III attended a Workshop on "Computer Programming Skills" organized by MIET, Mohra.
8. Pre-employment assessment and interview by Genpect (Computer Based Adaptive Test.)
9. A seminar on Resume writing and interview skills by ICFAI
10. A seminar on "Resume Writing and Interview Skills" organized by IBS Business School, ICFAI Group.

Career Counselling

1. **100** students of B.Com attended lecture on "Career Opportunity in Banking" by Mr. Sameer Aneja, **Regional Head, ICICI Bank.**
2. **110** students of B.A and M.A. were trained in one day career awareness camp on "Career Options & Job Opportunities" by Dr. Ashutosh Mishra, Prof. & Dean, Chitkara University.
3. A training program was organized by JCI, Ambala on "College and Beyond - The Challenges".
4. A seminar in Chitkara University on "Career Prospects in Management" was attended by students.
5. Students attended career counseling program in Maharaja Agarsen Institute of Management and Technology, Jagadhari.
6. A training program by AIMT, Ambala City on "Career Prospects in Management".
7. A Training Program by JCI, Ambala on "Fly High: Touch the Sky".
8. A seminar on "Career Guidance in Insurance Sector" by DHLF Life Insurance.
9. A seminar to enlighten students about Government jobs as Career after Graduation was organized.
10. A seminar on Govt. jobs was organized by Career Launcher.
11. A guest lecture on Career Guidance by Mr Vinod Sood from IIM, Ahmedabad.

Placements from 2011-16

Session 2011-12		
Companies Visited	**No. of students applied**	**No. of students selected**
Revolution 2011	07	03
Reliance Life Insurance	18	18
IBM Campus Recruitment	12	05
Infosys	03	03
Genpect	10	03
Wipro	01	01
AEGIS	03	03
Total	**54**	**36**

Session 2012-13		
IBM Global Process	06	05
Mahindra Satyam	03	02
Binary Technology	15	12
NRS Management Services Pvt. Ltd	18	18
Genpect	10	03
Total	**52**	**40**
Session 2013-14		
GNIT, Mullana (off campus)	50	10
Session 2014-15		
PIET, Panipat (off campus)	26	26
WIPRO (off campus)	13	02
Infosys (off campus)	40	05
CGC, Landran (off campus)	20	07
GNIT, Mullana (off campus)	06	06
Genpect Limited (off campus)	05	05
C.S Corp (off campus)	05	05
ICICI Prudential Life Insurance (off campus)	02	02
Total	**117**	**58**
Session 2015-16		
IBM	15	08
WIPRO	90	40
WNS (off campus)	15	07
Inter Global (off campus)	15	07
Tech Mahindra (off campus)	05	05
ICICI PRO	40	26
Xperia Technologies	50	20
HDFC	50	43
Tata Business Support Services (TBSS)	100	73
Aditya Birla Group & TBSS	05	02
British Telecom	04	01
Total	**389**	**232**

5.1.10 Does the institution have a student grievance redressal cell? If yes, list (if any)the grievances reported and redressed during the last four years.

The institution has a consolidated Grievance Redressal Cell for the staff and students. Grievance Redressal Mechanism has been made online wef 2016-17. Staff and students can now post their grievances on CIMS for speedy redressal.

Details of Grievances reported in last four years

Grievance Reported	Grievances Redressed
1. Insufficient and unorganized Parking Area	Developed separate and well organized parking area for students and staff.
2. Lack of proper seating arrangement in canteen	Renovated canteen with new furniture and recreational facilities.
3. Lack of separate Girls Common Room	Separate Girls Common Room set-up equipped with LCD, Sanitary vending machine.
4. Insufficient Toilets	Additional toilets constructed for students and staff and existing toilets renovated.
5. Behavioral problem of non-teaching staff	Orientation classes for sensitizing non-teaching staff in interpersonal skills
6. Security related issues	More security personnel were deputed. Entire campus is under CCTV Surveillance. More staff deputed on Proctorial duties
7. Demand for skill development programs	Started short term skill oriented courses stream wise. Two B.Vocational courses started under UGC scheme of DDU Kaushal Kendra Innovative interdisciplinary course M.Com (IT) started.

5.1.11 What are the institutional provisions for resolving issues pertaining to sexual harassment?

The institution has a Committee against Sexual Harassment (CASH) formed as per the guidelines of Government/UGC. The committee looks into matters pertaining to sexual harassment at workplace/institution. The complaints can be lodged either by giving in writing or online. They are treated as confidential. No case has been reported in the College.

5.1.12 Is there an anti-ragging committee? How many instances (if any) have been reported during the last four years and what action has been taken on these?

- The institution views ragging as a very serious offence. It follows the Supreme Court of India guidelines on this issue.
- The college has an anti-ragging committee to look into such issues. Due to the strictness on campus in this regard, there has been no incident of ragging.
- The members of the cell are actively engaged in sensitizing students about the menace of ragging and regularly interact with the students throughout the year.
- The committee chalks out the annual program for Proctorial Duties of the faculty.

- It ensures all-round discipline throughout the campus.
- Placards, boards and banners related to information on ragging as an offence have been put up throughout the campus.

5.1.13 Enumerate the welfare schemes made available to students by the institution.

Student Welfare is at the core of the priority areas of the institution. Extensive deliberations are carried out every year to make it more and more stakeholder friendly.

The following welfare measures are available:

(a) Full/Partial Fee Concession and Part-Payment Facility for needy/deserving students.

During the time of admission, economically backward, meritorious, outstanding sportspersons, fatherless girls, outstanding artists of various cultural activities are required to fill a specially devised form. These forms are scrutinized by a specially constituted committee which identifies the needy students. Thereafter, the list of deserving candidates is displayed on the college notice boards and college website. These students are then interviewed by the Committee members who decide on the waiver percentage of the student.

(b) Book Bank Facility

Book Bank facility is a unique feature of the institute wherein meritorious and economically backward students are provided text books from the library. The students are required to fill in the forms and a Committee is authorized to sanction the facility to the deserving and needy students. Every year a large collection of textbooks is added to the existing book bank of the library. The Library Upgradation Committee ensures that the outdated, old-edition books and text books no longer prescribed by the university are weeded out and latest editions are added to the Book Bank for the benefit of the students.

(c) Scholarships

A number of scholarships and freeships are extended to the needy and meritorious students for their welfare.

The details of which are given in 5.1.2

(d) Accident Insurance scheme for students

Every student of the college is provided with a free Insurance cover of Rs. 25,000/- in the unfortunate event of loss of life. For this facility a nominal Insurance premium is charged alongwith the fee and other charges.

(e) Earn while you Learn scheme

The Higher Education Department of Haryana introduced the Scheme of "Earn While You Learn" for Govt. and Aided Private Colleges in 2001. Since then this novel scheme has been adopted by the institution whereby the

students are employed for various college jobs in laboratories, libraries and administrative office. This scheme was started by the college for the benefit of needy students to earn while learning so that they can continue studies on their own. This scheme gives an opportunity to develop the spirit of work culture and confidence amongst the students. In the last four years a number of students have been benefitted by this scheme.

5.1.14 Does the institution have a registered Alumni Association? If 'yes', what are its activities and major contributions for institutional, academic and infrastructure development?

- The Alumni Association is actively engaged in the development of the institution.
- As and when required the alumni association is involved in major planning and decision making policies of the institution.
- Stating two instances — Donations were received from the association up to Rs 7 lakhs during the construction of the College Auditorium.
- Also donations were received from the association for the construction of the College Seminar Hall.
- The Alumni of the college also provide private scholarships to the students which is also a great boost to the institution.
- Some of the distinguished alumni of the college are invited as Chief Guests on important functions like Blood Donation Camps, NSS camps etc.
- Alumni placed at high positions are also invited as Guest speakers to interact with the students and also to motivate the students.
- Holding the Alumni Meet is an annual feature of the institution which helps in maintaining a connection of the alumni with their alma mater.
- This year the Alumni Association along with the institution felicitated the former Principals, former Teachers and non-teaching staff to mark the centennial celebrations of the college.

5.2 Student Progression

5.2.1 **Providing the percentage of students progressing to higher education or employment (for the last four batches) highlighting the trends observed.**

Student progression	2011-12	2012-13	2013-14	2014-15	2015-16
UG to PG (B.A.) %	30	30.3	13.6	15.3	4.3
UG to PG (B.Com) %	---	21.9	22	28	35
UG to PG (B. Sc.) %	75.3	71.1	72.4	72.2	67.6
PG to M. Phil.	--	--	1	1	--

PG to Ph. D	1	--	--	--	--
Employed Campus selection (%)	6.5	6.7	3.2	5.5	16.4
Other than campus recruitment %	16.8	29.5	29.4	35.3	23.7
Entrepreneurship/Self-employment (%)	14.5	10.5	11.3	10.0	11.7

Trends observed:

- Continuous fall in admission to PG courses in Arts after 2012-13
- Continuous increase in admission to PG courses in Commerce from 2012-13 onwards.
- There is a spurt in Campus Selection from the session 2015-16

5.2.2 Provide details of the programme wise pass percentage and completion rate for the last four years (cohort wise/batch wise as stipulated by the university)? Furnish programme-wise details in comparison with that of the previous performance of the same institution and that of the Colleges of the affiliating university within the city/district.

Consolidated Table for Programme wise pass percentage

Programme	2012-13 (%)	2013-14 (%)	2014-15 (%)	2015-16 (%)
B. A.	58	62	67	56
B.Sc Non Med	65.68	71.15	69	70
B.Sc Med	75	100	100	97
B.Sc IT	96.7	92.30	89	90.2
B.Sc H.Sc.	100	62.5	59	60
B.Sc. Electronics	70	72.63	74.25	76
B.Sc Comp Sc.	72.7	75	78	77
B.Sc CAV	87.5	85	84	87
B.Sc Bio Tech	100	80	88	89
B.Com ASPSM	85.29	84	75	82
B.Com CAV	81.81	100	98	92
B.Com Gen(SF)	88.75	95.94	88	90
B.Com Gen	95.23	95.65	96	95.2
B.Com OMSP	62.5	70.83	69	71.25
B.Com PPI	50	92.85	86	79
B.Com TTM	60	63.63	--	--
BBA	78.37	76.08	66	69
BCA	89.74	85	85	84
MA(English)	57.89	80	82	82
MA(Hindi)	100	100	100	100
MA(Eco)	71.42	70	60	72
MA(Mass Comm.)	100	70.59	100	100

M.Com Gen	97.82	94.44	83	88
M.Com IT	—	100	79	100
M.Sc Applied Phy.	100	90.90	100	84
M.Sc Maths	45.16	59.37	82	80
PGDCA	53.84	81.25	80	81

5.2.3 How does the institution facilitate student progression to higher level of education and/or towards employment?

Student progression to higher levels of Education is ensured through various measures. Some of them are listed below:

- The college provides PG courses in 9 subjects.
- College has also started two Skill Development Courses under the UGC Scheme of DDU Kaushal Kendra:
  - B.Voc (Software Development)
  - B.Voc (BPO)

  These courses prepare students for at least one job role at the end of each year and are assessed by IT/ITES sector skill council (NASSCOM) at each level.

- At the time of seeking admission to different courses, the students are thoroughly introduced to various aspects of the course including the employability opportunities, by the faculty members.

- Lectures/ Seminars are organized under the aegis of Placement Cell and CGC with special emphasis on progression towards Higher education.

Student progression to employment is ensured through:

- CGC provides training in PD, Soft Skills, GDs, Interview Skills
- Placement Cell organizes Seminars/ Lectures/ Campus Placements
- Coaching is provided for Bank Exams including PO and for Defence Services etc.
- UGC-NET coaching classes are conducted/organized by the institution
- Renowned companies have shown keen interest in our institution and there have been excellent placements due to the initiatives taken by Placement Cell and CGC in the last four years. Details of these placements have been given elsewhere in the SSR.

No. of Activities performed to enhance student progression to higher level of education and/or towards employment

Seminar/Lectures	37
Scholarship Tests	06
Pre-Employment Assessment, Interview & Soft Skills	07
Training Programs/Workshops	31

5.2.4 Enumerate the special support provided to students who are at risk of failure and drop out?

a) Extra classes are planned and organized for students who are at a risk of failure and/or drop out.
b) Financial Assistance is provided to students in case drop out is due to financial constraints.
c) Personal Counselling is done by the teachers of those students who are at a risk of failure and dropout.
d) Remedial coaching is organized for students lagging behind in their subject and who are at a risk of failure.
e) Student progression is monitored by tutors of respective classes and slow learners are identified and supported as per needs.

5.3 Student Participation and Activities

5.3.1 List the range of sports, games, cultural and other extracurricular activities available to students. Provide details of participation and program calendar.

- Students have a wide variety of sports, games, cultural and other extracurricular activities to choose from. In addition to the Annual Talent Finding Contest and the Zonal Youth Festival, which are two major competitive cultural events, students have a host of opportunities to participate in other co-curricular activities organized by various associations, clubs, societies and cells as listed below:

PARTICIPATION OF STUDENTS IN SPORTS

S.No	Game	Year wise Participation										
		2011-12		2012-13		2013-14		2014-15		2015-16		Total
		B	G	B	G	B	G	B	G	B	G	
1	Cricket	16	16	16	16	16	16	16	16	16	16	160
2	Football	20	--	20	--	20	--	20	--	20	--	100
3	Table Tennis	04	04	04	04	04	04	04	04	04	04	40
4	Taekwondo	05	02	05	02	05	02	05	03	05	--	34
5	Handball		12	12	12	02	12		08	04	12	74
6	Athletics	06	04	03	05	07	04	04	04	02		39
7	Boxing	04	02	03	03	02	03	04	03	06	02	32

8	**Rifle Shooting**	04	04	04	04	04	04			--	--	**24**
9	**Lawn Tennis**	05				05	04	09		05		**28**
10	**Pistol Shooting**		--	03	--	03	08			--		**14**
12	**Volley-Ball**					12		12		12		**36**
13	**Body Building**	01	--	01	--	02	--	--	--	02	--	**06**
14	**Badminton**	05	04	05	04	05	04	05	04	05	04	**45**
15	**Wrestling**	01		01		01		01		01		**05**
16	**Cross-Country**			06		03	03	03	04	--	--	**19**
17	**Basket Ball**			12		12		12		--	--	**36**
18	**Relay Races**	--	--	05	--	--	--	--	--	--	--	**05**
	Total	**119**		**150**		**167**		**141**		**120**		**697**

PARTICIPATION OF STUDENTS IN CULTURAL ACTIVITIES

SNo	Item	Year wise participation									
		2012-13		2013-14		2014-15		2015-16		2016-17	
		Z	IZ	Z	IZ	Z	IZ	Z	IZ	Z	IZ
1	**Choreography**	12	12	12	12	12	12	12	--	12	12
2	**Pop Song Haryanvi**	10	10	10	--	12		12	--	12	--
3	**Skit**	6	--	6	--	6		6	--	6	--
4	**Haryanvi Orchestra**	12	--	12	--	10		10	--	10	10
5	**Rasiya Group Dance**	--	--	10	10	10	10	10	--	10	10
6	**Rituals**	--	--	--	--	--	--	10	10	10	10
7	**Group Dance General**	12	12	12	--	12		12	--	12	--
8	**One-Act Play**	9	--	9	--	9	--	9	9	9	--
9	**Mimicry**	1	1	1	--	1	--	1	--	1	--
10	**Western Group Song**	6	6	6	--	6	--	6	--	6	6
11	**Group Dance Haryanvi**	12	12	12	--	12	--	12	--	12	12
12	**Saang**	9	9	9	9	9	--	9	--	9	12
13	**Group Song Haryanvi**	6	6	6	--	6	--	6	6	6	12
14	**Sanskrit Drama**	9	9	9	--	9		9	--	9	--
15	**Mime**	6	--	6	--	6		6	--	6	--
16	**Group Song General**	6	--	6	--	6		6	6	6	--

17	**Solo Dance Male**	2	2	2	2	2		2	2	2	2
18	**Solo Dance Female**	2	--	2	--	2		2	--	2	--
19	**Classical Dance**	1	1	1	1	1		1	--	1	--
20	**Gazal Haryanvi**	1	1	1	1	1		1	--	1	--
21	**Folk Song Haryanvi**	1	1	1	1	1		1	--	1	--
22	**Classical Inst. Solo (P)**	1	1	1	--	1	--	1	--	1	--
23	**Classical Inst. Solo (NP)**	1	--	1	--	1	--	1	--	1	--
24	**Classical Vocal Solo**	1	1	1	1	1	1	1	--	1	--
25	**Folk Song General**	1	--	1	--	1		1	--	1	--
26	**Western Vocal Solo**	1	--	1	1	1	--	1	--	1	--
27	**Western Inst. Solo**	1	--	1	--	1	--	1	--	1	--
28	**Light Vocal Indian**	1	--	1	1	1	--	1	1	1	--
29	**Folk Inst. Solo (Hr)**	1	--	1	--	1	--	1	--	1	--
30	**Orchestra Indian**	10	--	10	10	10	10	10	10	10	--
31	**Quiz**	3	3	3	3	3	3	3	3	3	3
	Total	**231**		**206**		**190**		**210**		**255**	

OTHER CO-CURRICULAR ACTIVITIES

No	Association/Club	Session				Total
		2012-13	**2013-14**	**2014-15**	**2015-16**	
1	NCC for Boys	54	54	54	54	**216**
2	NCC for Girls	54	54	54	54	**216**
3	NSS	300	300	300	300	**1200**
4	Women Cell	575	200	250	300	**1325**
5	Young Speakers' Club & Creative Student Association	50	90	80	134	**354**
6	Legal Literacy Cell	140	133	300	180	**753**
7	English Literary Association	50	70	60	123	**303**
8	Hindi Sahitya Association	100	20	108	100	**328**

9	Sanskrit Association	20	25	200	30	**275**
10	Punjabi Parishad	30	70	-		**100**
11	Commerce Association	205	200	900	800	**2305**
12	Chemistry Association	15	80	-	100	**195**
13	Physics Association	53	-	-	250	**303**
14	Comp. Sc.Association	150	100		200	**450**
15	Life Sc. & Environment Association	90	123	200	350	**763**
16	Home Sc. Association	30	80	110	331	**551**
17	Mathematics Association	-	120	200	150	**470**
18	Electronics & IT Association	-	100	200	150	**450**
19	Political Sc. Association	28	-	60	130	**218**
20	Economics Association	405	70	-	206	**681**
21	Music Association	-	50	-	54	**104**
	Total	**2,349**	**1,939**	**3,076**	**3,996**	**11,360**

Some of the competitions in which the students participate are:

- Zonal & Inter Zonal Youth Festivals
- District, State, National, International, University, Inter-Varsity Sports Competitions
- Intra and Inter-College Cultural Contests organized by various colleges, Universities and other bodies.
- All types and levels of NCC Camps, Parades and Cultural Events

Program Calendar: As such no program calendar is provided by the university. Hence, events are held as and when notified by the affiliating university.

Details of participation and achievements in the fields of **Sports, Co-curricular, Extra-Curricular and Cultural activities** at different levels are detailed below in 5.3.2

5.3.2 Furnish the details of major student achievements in co- curricular, extracurricular and cultural activities at different levels: University / State / Zonal / National / International, etc. for the previous four years.

The institution has an unprecedented track record in the field of co- curricular, extracurricular and cultural activities. Major student achievements at different levels: University / State / Zonal / National / International, etc. for the previous years are listed below.

Achievements in Cultural Activities 2011-16

- The college has won the **Overall Trophy for Best Performance in the Zonal Youth Festival** a record number of **38** times.
- More than **900** students have participated in the Zonal Youth Festivals and more than **1000** students in the Annual Talent Shows in the last ten years.
- Every year **106** cadets and more than **300** NSS Volunteers are enrolled in 02 NCC and 03 NSS Units for various activities.

Zonal & Inter-Zonal Youth Festival Achievements

2012-13				2013-14				2014-15				2015-16				2016-17			
ZYF		IZYF		ZYF		IZYF		ZYF		IZYF		ZYF		IZYF		ZYF		IZYF	
R	C	R	C	R	C	R	C	R	C	R	C	R	C	R	C	R	C	R	C
09	12	02	05	12	10	01	06	11	11	01	04	08	18	01	03	16	18	02	09
Total Prizes																			
28*				**29***				**27***				**30***				**45***			

*The above figures do not include individual Recommendations and Commendations
Note: R = Recommended (First Position) C = Commended (Second Position)

Other Outstanding Cultural Awards: 2011-17

SNo	Name of the Student	Event	Level	Remarks
2011-12				
1.	Vijay Kumar	Western Group Song Folk Orchestra	**National Inter-varsity** Youth festival (Nagpur University, Nagpur)	• Fourth • Fourth
2.	Sahil	Western Group Song Folk Orchestra	**National Inter-varsity**	• Fourth • Fourth

3.	Gurjeet	Western Group Song Folk Orchestra	**National Inter-varsity**	• Fourth • Fourth
4.	Vijay Kumar	Western Group Song General Group Song Western Vocal Solo Folk Orchestra	**North Zone Inter-varsity** Youth festival (Lovely Professional University, Jalandhar)	• Second • Third • Third • Second
	Sahil	Western Group Song General Group Song Western Vocal Solo Folk Orchestra	**North Zone Inter-varsity** Youth festival (Lovely Professional University, Jalandhar)	• Second • Third • Third • Second
5.	Ankush Goel	Karaoke	Amity University	• First
6.	Ekansh	Singing	Mukesh Anand Award, Chandigarh	• Winner
2012-13				
7.	Vijay (MMC-II)	Western Vocal Solo	**North Zone Inter-varsity** Youth festival (GNDU, Amritsar)	Third Position
8.	Vijay	Western Group Song General Group Song Folk Orchestra	**North Zone Inter-varsity** Youth festival (GNDU, Amritsar)	Represented KUK
9.	Parul Chawla	Western Group Song General Group Song Folk Orchestra	**North Zone Inter-varsity** Youth festival (GNDU, Amritsar)	Represented KUK
10.	Sahil	Western Group Song General Group Song Folk Orchestra	**North Zone Inter-varsity** Youth festival (GNDU, Amritsar)	Represented KUK
11.	Ms Diksha Rathi	Light Music	Rafi Society (Tagore Theatre, Chandigarh)	Second Position
12.	Ekansh	Singing/ Bhajan	• Mukesh Night (Narwana) • Kala Sangam Group, Karnal • Inter-college Competiton, Arya Girls College, Shahbad	• First • First (Selected for National) • Second
13.	Naveen	Singing	Big One Talent Competition	First
14.	Parul Chawla	Ghazal	Inter-college Competiton, Arya Girls College, Shahbad	First
15.	Nupur Gupta	Poetical Symposium	Inter Zonal Literary Workshop (DAV Girls College,	First/ University Colour,

			Yamunanagar)	KUK
16.	01 Student	Patriotic Poem Recitation	Inter Zonal Competition (DAV College, Ambala City)	Second
2013-14				
17.	Choreography Team (12 students)	Choreography	Inter-varsity National Youth festival (KUK)	Special Presentation
18.	Naveen	Light Vocal	Inter-college Competiton, Arya Girls College, Shahbad	Second
19.	Ekansh	Singing/ Bhajan Gayan	Kala Sangam Group, Sirhind Kala Sangam Group, Yamuna Nagar & Kurukshetra	• First (Selected for National) • Second
2014-15				
20.	Ms Diksha Rathi	Light Music	Sur Sangam (Chandigarh)	Second Position
21.	Simranpreet Kaur	Singing/ Shabad Gayan	State National	First Prize First Prize
2015-16				
22.	Naveen	Western Group Song General Group Song	North Zone Inter-varsity Youth festival (PAU, Ludhiana)	Second Position Participated
23.	Jaspreet Singh	Western Group Song	North Zone Inter-varsity Youth festival (PAU, Ludhiana)	Second Position
24.	Simranpreet Kaur	General Group Song	North Zone Inter-varsity Youth festival (PAU, Ludhiana)	Participated
25.	Naveen	Western Group Song	Inter-varsity National Youth Festival (University of Mysore)	Second Position
26.	Jaspreet Singh	Western Group Song	Inter-varsity National Youth Festival (University of Mysore)	Second Position
27.	Sonalika Dhar	Light Vocal	Awaz Punjab Di (MH1) Movies/ Serials	Finalist Recorded Songs

28.	Simranpreet Kaur (BA II)	Light Vocal	Coke Studio Tagore Theatre, Chandigarh	Recorded 2 songs Performance
29.	Jaspreet Singh	Singing	World Cultural Festival, organized by Art of Living, New Delhi	Participated
30.	Ms Diksha Rathi	Light Music	Rafi Society (Chandigarh)	Second Position
31.	01 Student	Declamation	Inter College Competition (GNG College, Karnal)	Second
32.	01 Student	Symposium	Inter Zonal Literary Workshop	Second
33.	3 Students	Quiz	Inter Zonal Competition, S D College, A/Cantt	Third
34.	02 Students	Sanskrit Quiz	Seth Navrang Rai Lohia Jairam Girls College, Kurukshetra	Second
2016-17				
35.	Naveen	Western Group Song		Participated
36.	Jaspreet Singh	Western Group Song		Participated
37.	12 Students	Hindi play	District Level	First
38.	8 Students	Orchestra (Haryanvi)	District	First
39.	12 Students	Hindi Play	State	Second (Rs. 90,000)
40.	8 Students	Orchestra (Haryanvi)	State	Second (Rs. 75,000)
41.	Naveen Tiwari	Hindi Play	State	Best Actor
42.	Monika	Hindi Play	State	Best Actress
43.	Priya Sharma	Declamation	State	First (Rs.30,000)
44.	12 Students	Choreography	State	Special Performance

Outstanding Achievers

Ms. Monika, B.Com

- Award of Honour from **Governor, H.P**. & **Sh. Anil Vij (Minister for Health & Sports), Haryana**
- Awarded by **Sh. M.M. Mittal, Cabinet Minister, Punjab**
- Awarded by **D.C., Ambala & Mayor, Ambala** sponsored by Print & Electronic Media Association, India.
- **Awarded by IPS Kiran Bedi**
- Acted in numerous Punjabi Plays presented in Delhi, Punjab, Haryana & U. P.
- **Gold Medal** by Antar-rashtriya Samrasta Manch in International Cultural Harmony Summit, Delhi.
- Award of Honour (Print & Electronic Journalists Association) for spreading awareness in rural areas through plays.

Ms. Priya, B Com III

- Won Second Prize in National level Essay Writing Competition organized by Women Cell, DAV College, Karnal. (2015-16)

Ms. Bharti Bedi and Anandita

- Won First prize in the Poster Making Competition.

Diksha Khera and Rachna Ahirwar

- Won Third prize in Quiz in National Level competitions organized by Thapar University Patiala. (2014-15)

Extra Curricular Awards: 2011-16

2011-12

- Nupur Gupta won District Level First prize in debate and Sonam won Second prize in poetry recitation organized by Legal Literacy Cell.
- Nupur Gupta won Division Level First prize in debate and Sonam won Second prize in poetry recitation organized by Legal Literacy Cell.
- Nupur Gupta won State Level Second prize in debate organized by Legal Literacy Cell
- Parul won University Level First prize in Bhajan Gayan organized by Music Association
- Ekansh won University Level Third prize in Folk Song organized by Music Association
- Nupur and Sonam won Inter- College Overall Trophy in Literary Activities organized by S A Jain College, A/City

2012-13

- Nupur Gupta won District Level First prize in Poetry & Declamation Competition organized by Legal Literacy Cell.
- Nupur Gupta won Division Level First prize in Poetry Competition organized by Legal Literacy Cell.

- Nupur Gupta won State Level First prize in Poetry Competition organized by Legal Literacy Cell.
- Parul won University Level First prize in Bhajan Gayan Competition organized by Music Association, Akm, Shahbad.
- Ekansh won University Level First prize in Ghazal Competition organized by Music Association, Akm, Shahbad.

2013-14

- Ruhi Sandhu won State Level Third prize in Slogan Writing Competition organized by War Hero's Stadium
- Nupur and Jyoti won State Level First/Second/Third Prize in Poetry/Declamation Competition organized by Mdsd College, Ambala City
- Nainpreet won State Level First prize in Slogan Writing Competition organized by G.N.Khalsa College, Yamuna Nagar
- Aanchal & Sujit won State Level First prize in Quiz Competition organized by G.N.Khalsa College, Yamuna Nagar
- Surjit won State Level Third prize in Quiz Competition organized by Hindu Girls' College, Jagadhri

2014-15

- Students won First prize in Commerce Fest (Best Out Of Waste) organized by Terri Kurukshetra
- Students won Second prize in Environment Fest (Slogan) organized by G.N.Khalsa College, Yamuna Nagar
- Himani won Second Prize in Home Science Association Clay-Modelling organized by Home Science Association Arya Kanya Mahavidyalaya, Shahbad Markanda
- Satwinder Singh and Sangeeta Negi won Inter-District First Prize in Science Exhibition organized by Government College, Ambala Cantt.

2015-16

- Students won Second Prizes in State Level PPT/Painting/ Skit competition organized by Pt Chiranji Lal Govt College, Karnal
- Pratibha won Second Prize in Inter- College Painting competition organized Arya Kanya
- Mahavidyalaya, Shahbad
- Pratibha /Amarpreet & Divneet/Vatika Sharma won Second/Third in painting/ Debate /Essay Writing Competitions organized by Govt College, Ambala Cantt
- Shiv Malik won First Prize in State Level Poetry Competition organized by Shri Bhagwan Pashuram College, Kurukshetra
- Students won Best Co-ordinator Award/ Third/Second State Level Skit /Extempore /Speech Competitions organized by YRC at Panchkula
- Arti won Second Prize in Inter-District Science Exhibition organized by Government Post- Graduate College, Ambala Cantt
- Namrata of B.Sc. won Third Prize in Inter-College Salad Making Competition organized by Sohan Lal D. A. V. College, Ambala City
- Shubham & Akshay of B.Sc.II won Second Prize in State Level Science Quiz Competition organized by Seth Navrang Rai Lohia Jai Ram Girls College, Lohar Majra

- Shubham & Akshay of B.Sc.II won Third Prize in State Level Environment Quiz Competition organized by Dayal Singh College, Karnal
- Nikita, Natashika, Vikrant, Aparna, Aastha, Ritika, Shreshth and Aakash won First and Third prizes in Inter-College Treasure Hunt and Ad-Mad Competition organized by S.A Jain College, Ambala City
- Pratibha of M.Sc Maths and Nikhil of B.Com won First Prize in painting and sketching competitions organized by Amity University, Chandigarh
- Navesha Dhaliwal won First Prize in State Level Poster Making Competition organized by S.A Jain College, Ambala City.
- Shruti of B. Sc (IT) won Second Prize in Inter- College Collage Competition organized by Govt College for Girls, Ambala City

Achievements in NCC Activities: 2011-16

- Cdt Vandana made us proud by participating in the R.D. Parade. She also presented the Guard of Honour to the Honourable Prime Minister of India Sh. Narendra Modi.

- Cadet Sachin Bajwa participated in the Republic Day Parade at Rajpath, Delhi and was awarded by the His Excellency Sh. Jaganath Pahadia, Governor of Haryana.

NCC Activities from 2011-16 (Girls)

Army Attachment Camp				
2011-12	**2012-13**	**2013-14**	**2014-15**	**2015-16**
03 Cadets (Surbhi-Best Cadet)	—	—	**02 Cadets**	**04 Cadets** (1st & 2nd in Drill & Debate)
Annual Training Camp (ATC)				
Trilokpur **Results:** 1st in Drill 1st in Flag Area	Ambala Cantt **Results:** 1st in Drill 1st in Cultural Events	Panjokhra **Results:** **Best Institution Trophy** (1st in Drill/ Debate/ Poster Making/ Group Dance) Ambala City **Results:** (1st in Drill/ Debate/ Poster Making/ Group Dance)	Panjokhra **Results:** 1st in Drill/ Debate/ Poster Making/ Group Dance/ Cultural Events Ambala City **Results:** **Best Institution Trophy** (1st in Drill/ Debate/ Poster Making/ Group Dance)	Scout & Guide, Ambala Cantt **Results:** 1st in Drill/ Debate/ Poster Making/ Group Dance/ Cultural Events Ambala Cantt **Results:** **Best Institution Trophy** (1st in Drill/ Debate/ Group Dance)

Military Hospital Attachment Camp (MHAC)				
13-21Mar 2012 04 Cadets	**17-28 Jan 2013** 03 Cadets (1st & 2nd position in written exam)	**01-12July 2014** 09 Cadets	**06-17July 2015** 02 Cadets	—
PDC OTA				
5-15 Jan 2011 01 Cadet	**17Sep-7Oct2012** OTA Chennai 01 Cadet	—	**11-21 Feb 2015** PDLSC Malout 01 Cadet	**12-22 Feb 2016** PDLSC Malout 03 Cadets
DCATC/ Pre-RD/ RD Camp				
Pre-RDC (Chandigarh) 01 Cadet	Pre-RDC (Ropar) 02 Cadets	**Republic Day Parade (Delhi)/ YEP/ Best Cadet**	DCATC (Ropar) 01 Cadet Pre-RD 01 Cadet	**IGC**(Ambala & Ropar) 01 Cadet **DCATC** (Ropar) 02 Cadets **RD Parade (Delhi)** 01 Cadet
National Integration Camp (NIC)				
Tamil Nadu 01 Cadet	Ladakh 01 Cadet	Port Blair 01 Cadet	Ropar 01 Cadet	Darjeeling (WB) 02 Cadets Ropar 02 Cadets
Thal Sena Camp (TSC)				
Yamuna Nagar (04 Cadets) Delhi (02 Cadets)	Karnal & Ropar (09 Cadets) Delhi (05 Cadets)	Ambala (04 Cadets)	Ambala (06 Cadets)	Ropar (01 Cadet) Delhi (02 Cadets) Karnal, Ambala, Yamuna Nagar & Ropar (01 Cadet)
Trekking & Mountaineering Camps				
Palampur, HP 02 Cadets	Paprola, Simla 04 Cadets	Baijnath, HP 05 Cadets Manali 01 Cadet	NIM, Uttarkashi 03 Cadets Gulmarg (Skiing) 01 Cadet	Darjeeling 01 Cadet Nilgiri, TN 05 Cadets

North- Zone Shooting Camp				
Chennai 01 Cadet	Chandigarh 03 Cadets	Ropar 01 Cadet	Trilok Pur 03 Cadets	Jind 03 Cadets Chandigarh 01 Cadet Inter-Dct, West Bengal 01 Cadet
'C' Certificate Exam				
Appeared-18	Appeared-21	Appeared-30	Appeared-19	Appeared-12
Special Activities				
• Self Defence Workshop • Blood donation Camp • AIDS Awareness Rally • Women Empowerment Declamation • Celebration of NCC Day	• Swami Vivekanad Jayanti • Tree Plantation • AIDS Awareness Rally • Seminar on Education • Women Empowerment Debate	• Tree Plantation • AIDS Awareness Rally • Blood Donation Camp • Run for Unity • Swachhta Abhiyan • Seminar on Traffic Rules	• AIDS Awareness Rally • Blood Donation Camp • Swachhta Abhiyan • Coaching for SSB • Sadbhavna Diwas • Drive against Polio	• Blood Donation Camp • Sadbhavna Diwas • Seminar on 'Role of NCC in Personality Development • Declamation on 'Beti Bachao Beti Padhao' • Yoga Day

NCC Activities from 2011-16 (Boys)

- SUO Sandeep Kumar Yadav 1st in unarmed combat in Youth Exchange Programme to Russia held from 27 July-27 Aug 2012.

- Cadet Sachin Bajwa participated in RD Parade at Rajpath, New Delhi on 16 January2013.

Army Attachment Camp				
2011-12	**2012-13**	**2013-14**	**2014-15**	**2015-16**
07 Cadets	**13 Cadets Overall Trophy**	**03 Cadets**	**04 Cadets**	**09 Cadets**
Pre-RD/ RD Camp/ DCATC/ PDC OTA				
RDC, Delhi 01 Cadet DCATC-IRDC 04 Cadets Pre-DCATC 02 Cadet	Pre-DCATC I 03 Cadets Pre-DCATC II 02 Cadets DCATC I & II Ropar 01 Cadet	**Republic Day Parade (Delhi) 01 Cadet** Pre-RDC 03 Cadets DCATC II 02 Cadets	RDC 01 Cadet PDC OTA 02 Cadets	CATC I (Ropar) 19 Cadets CATC II & III (Ropar) 05 Cadets

CATC Trilokpur 46 Cadets	CATC Ambala Cantt 46 Cadets			
National Integration Camp (NIC)				
—	Andhra Pradesh 02 Cadets (2 Gold Medals)	Port Blair 01 Cadet	Ropar 02 Cadets	—
Thal Sena Camp (TSC)				
—	—	Pre-TSC 03 Cadets	Ropar 01 Cadet	—
Trekking & Mountaineering Camps/ Shooting Camps				
Trekking (Kalka to Kasauli) 15 Cadets	—	—	Shooting (Trilok Pur) 01 Cadet	—
Special Activities				
• Blood Donation Camp • AIDS Awareness Rally • Celebration of NCC Day	• Tree Plantation • AIDS Awareness Rally • Seminar on Education • Piping Ceremony • Tree Plantation • Marathon	• Tree Plantation • AIDS awareness Rally • Blood Donation Camp • Run for Unity • Swachhta Abhiyan • Seminar on Traffic Rules	• AIDS Awareness Rally • Blood Donation Camp • Swachhta Abhiyan • Coaching for SSB • Sadbhavna Diwas • Drive against Polio	• Blood Donation Camp • Sadbhavna Diwas • Seminar on 'Role of NCC in Personality Development' • Declamation on 'Beti Bachao Beti Padhao' • Yoga Day

Achievements in NSS Activities: 2011-16

- **NSS volunteers: Mr. Sachin (B.A.III) and Mr. Lokesh participated in Rajpath Parade, New Delhi.**

Activities of NSS: 2011-16

2011-12			
S. No.	**Regular Activities**	**Specialized Activities**	**Miscellaneous Activities**
1.	2 One Day Camps	National Integration Camp, Punjab	5 Days Seminar on Peace organized by Peace Federation, Korea

2.	Independence/ Republic Day Celebration	Free Cardiac Check up Camps	2 Rain Water Conservation plants installed
3.	Tree Plantation Drives	Basic Youth Leadership Camp, Mussorie	R.D. Parade Rajpath (1 Volunteer/ 1 PO)
4.	Oath Taking Ceremony	Advanced Youth Leadership Training Camp, Mussorie	NSS Mega Camp, Delhi (Participation)
5.	7 Days Camp	Trekking Camp (Boys & Girls), Narkanda/ Manali	Inter-college Competitions at MIET, Shahbad/ Arya Kanya Mahavidyalaya, Shahbad
6.	Mini/ Mega Blood Donation Camp	First Aid Training Camp, Haridwar	
7.	National Voters' Day Celebration	Medical Check up Camp	
8.		2 Blood donation Camps, Ambala City (Participation)	
9.		ASER/ Socio-Economic/ Health & Literacy/ AIDS Awareness Survey of 30 villages of Ambala	
10.		AIDS Awareness Rally	
2012-13			
1.	Tree Plantation Drives	'Youth to the Edge' Adventure Camp in Arunachal Pradesh	Eco Craft Mela
2.	Independence/ Republic Day Celebration	Summer Adventure Camp, Simla	Slogan Writing Compt on "Beti Bachao"
3.	Sadbhavna Diwas Celebration	Pre- RD Trial Camp	Red Ribbon Express (Visit)
4.	Mini/ Mega Blood Donation Camp	Polio and Medical Check-up Camp	Handwriting/ Mehndi/ Rangoli Competitions
5.	Oath Taking Ceremony	State Level NSS Camp, GJU, Hissar	Red Cross Day Celebration
6.	One Day Camp	Blood Donation Camps, Ambala City (Participation)	Young Voters' Registration Drive
7.	7 Days Camp, Ramgarh Majra	Pre- RD Parade Camp, Murthal	Inter-college competitions on "My Earth My Duty"
8.	National Voters' Day Celebration	ASER Survey	State Level Poster Making Compt, Govt. College, A/Cantt
9.	NSS Fest	Rally on 'Women	Skit Performance in

		Empowerment'	Court Complex, A/ City
10.	Trip to Haridwar	National Cycle Rally on 'Save Water, Save Earth'	District Level Slogan Writing Competition, Govt. College, A/Cantt
11.	—	Rally on "Beti Bachao"	Ratnawali (Participation)
2013-14			
1.	NSS Volunteers' Registration Drive	First Aid Training Camp, Haridwar	Voters' Card Drive
2.	Independence/ Republic Day Celebration	One Day Camp at Swami Vivekanand School, A/ Cantt	3 Emergency Blood Donations at PGI, Chd & A/ City
3.	Sadbhavna Diwas Celebration	Blood donation Camps, Ambala City (Participation)	Lecture on 'Benefits of Lok Adalat'by Hon'ble Chief Justice Mr. Batra
4.	Mini/ Mega Blood Donation Camp	Roko Cancer Charitable Camp, A/ City	Lecture on 'Bhrashtachar' by State Vigilance Dept., Haryana
5.	Oath Taking Ceremony	Traffic Awareness Camp	NSS Fest
6.	7 Days Camp, Ramgarh Majra	ASER Survey	
7.	2 One Day Camps	National Cycle Rally on 'Women Empowerment'	
2014-15			
1.	NSS volunteers' Registration Drive	Youth Red Cross State Level Camp, Haridwar	Green Drive
2.	Independence/ Republic Day Celebration	RD Selection Camp, KUK	Trip to Simla and Kufri
3.	Sadbhavna Diwas Celebration	RD Camp, Deenbandhu Chhotu Ram University, Sonepat	Motivational Talk to Volunteers by Pos
4.	Mini/ Mega Blood Donation Camp	Traffic Rules Awareness Camp	International Youth Day Celebrations
5.	Oath Taking Ceremony	Seminar on Metaphysics of Panch Mahayogya	Card Making Competition
6.	7 Days Camp, Village Boh	NSS Programme Officers' Training (Host)	Inter-college Slogan & Essay Writing Compt. on World Peace & Literacy Day
7.	One Day Camp on Gandhi Jayanthi & Competitions	—	Cleanliness Drives
8.	NSS Fest	—	3 Emergency Blood Donations at PGI, Chd & A/ City

9.	NSS Day Celebration, KUK	—	RD Parade, Delhi (2 Volunteers)
10.	Sardar Vallabh Bhai Patel Jayanthi/ Ekta Diwas	—	Competitions on 'Road Safety'
2015-16			
1.	NSS Volunteers' Registration Drive	Camp, Mansa Devi Complex, Panchkula	Motivational Talk to Volunteers by POs
2.	Independence/ Republic Day Celebration	Pre- RD Trial Camp, KUK	Lecture on 'Rakshabandhan'by Dr. Kamdev Jha
3.	Sadbhavna Diwas Celebration	Traffic Awareness Camp	Golden Jubilee Celebration of 1965 Indo-Pak War
4.	Mini/ Mega Blood Donation Camp	NSS Fest	National Youth Fest, Chhattisgarh
5.	Oath Taking Ceremony	—	T-20 Cricket Match between NSS Volunteers and NCC Cadets.
6.	7 Days Camp, Village Boh	—	—
7.	One Day Camp on Gandhi Jayanthi & Competitions		
8.	NSS Day Celebration, KUK		

Activities of Youth Red-Cross Unit

S. No.	Event	Organized at
1.	Formation of YRC unit/ Orientation and Oath Taking	College Campus
2.	State Level YRC Camp (**One Youth awarded best Co-ordinator award**)	Mansa Devi Complex, Panchkula
3.	Inter State YRC camp (**3rd prize in Skit Competition /2nd prize in Extempore Speech**	Mansa Devi Complex, Panchkula
4.	Independence Day Parade/ Republic Day Parade	College Campus
5.	Mini/ Mega Blood Donation Camp	College Campus
6.	20th National Youth Festival	Raipur, Chhattisgarh
7.	Slogan writing/ Poster making competition on Blood Donation	YRC office

8.	State Level Youth Red Cross Training Camp (Inauguration/ Valedictory)	College Campus

Achievements in Sports Activities: 2011-16

National Level Achievements

S No	Sportsperson	Event	Prize
Session 2011-12			
1.	Amanpreet	National Level Taekwondo Championship	Bronze Medal
2.	Isha Chaudhury	Senior National Handball Championship	Bronze Medal
3.	Shafali	National Level Boxing Championship	Participated
Session 2012-13			
4.	Puneet	Jr. National Athletics Meet (Lucknow) Jr. National Athletics Meet (Meerut)	Gold Medal Silver Medal
5.	Navpreet	North Zone National Taekwondo (Bilaspur)	Silver Medal
6.	Poonam	Jr. National Handball Championship (TN)	Gold Medal
7.	Ruchi	National Federation Cup (Jaisalmer)	Silver Medal
8.	Heena	National Handball Championship	Participated
Session 2013-14			
9.	Poonam	National Level Handball Championship	Silver Medal
10.	Ruchi	National Federation Cup	Gold Medal
11.	Sukhbir Singh	Pre-National Pistol Shooting Championship	Participated
12.	Gaurav	Pre-National Pistol Shooting Championship	Participated
Session 2014-15			
13.	Kajal	Senior National Handball Championship	Gold Medal
Session 2015-16			
14.	Babita	Senior National Handball Championship National Federation Cup (Telangana)	First Third
15.	Mayur Dutta	18th International Adventure Sports (National Adventure Institute, Panchmarhi)	Participated
16.	Nisha Malik	Senior National Handball Championship National Federation Cup (Telangana)	First Third
17.	Sakshi	National Federation Cup (Telangana)	Third

Representations at State/ All India Inter-varsity Level

S.No.	Sports Person	Sports	Represented KU at	Position/ Prize
Session 2011-12				
1.	Navreet Singh	Table Tennis (M)	Haryana Open State Haryana Olympic All India Inter-varsity	1st in Doubles 3rd in Team event
2.	Navpreet	Taekwondo	National Level State Level	Participated Bronze
3.	Manish Mehta	Taekwondo	National Level Championship	Participated
4.	Priyanka	Cricket	All India Inter-varsity	Participated
5.	Sugandha	Cricket	All India Inter-varsity	Participated
6.	Rajan	Football	All India Inter-varsity	Participated
7.	Gurpreet	Football	All India Inter-varsity	Participated
8.	Amit Negi	Football	All India Inter-varsity	Participated
9.	Isha Chaudhury	Handball	All India Inter-varsity North Zone Inter-varsity	Bronze 4th in NZ Inter-varsity
10.	Neetu	Athletics (W)	State Level	1 Silver/ 1 Bronze
11.	Amit	Athletics (M)	State Level	1 Gold
12.	Shafali	Boxing (W)	State Level	1 Bronze
13.	Dilraj	Cricket (M)	All India Inter-varsity	Participated
14.	Raman	Cricket (M)	All India Inter-varsity	Participated
Session 2012-13				
15.	Amit	Athletics (M)	State Level	1 Gold
16.	Amit	Cross Country (M)	Haryana State Cross Country	1 Gold
17.	Navreet Singh	Table Tennis (M)	Haryana Olympic	Gold
18.	Navneet	Taekwondo	Haryana State	Silver
19.	Neetu	Athletics (W)	Haryana State Level	1 Bronze

Session 2013-14				
20.	Puneet	Athletics (M)	All India Inter-varsity	Participated
21.	Amit	Athletics (M)	All India Inter-varsity	1 Silver
22.	Reetu Kumari	Athletics (W)	All India Inter-varsity	1 Silver
23.	Sandeep	Football (M)	All India Inter-varsity	Third
24.	Vijay Singh	Football (M)	All India Inter-varsity	Third
25.	Amandeep Kaur	Cricket (W)	All India Inter-varsity	Participated
26.	Garima	Taekwondo (W)	All India Inter-varsity	Participated
27.	Shafali	Boxing (W)	All India Inter-varsity	Participated
28.	Superna	Rifle Shooting (W)	All India Inter-varsity	Participated
29.	Anjali	Rifle Shooting (W)	All India Inter-varsity	Participated
Session 2014-15				
30.	Ritu	Cross Country	All India Inter-varsity	Participated
31.	Purnima	Table Tennis (W)	All India Inter-varsity	Participated
32.	Tanisha	Cricket (W)	All India Inter-varsity	Participated
33.	Vijay Singh	Football (M)	All India Inter-varsity	Participated
34.	Sandeep Singh	Cricket (M)	Inter-District U-25 Punjab Team U-23 (Naydu Trophy)	Team Runners up
35.	Har Tejasvi	Cricket (M)	U-19 Dhruv Pandove Trophy	Team Won
36.	Sukhwinder Singh	Cricket (M)	Inter-District U-25	Team Runners up
Session 2015-16				
37.	Babita	Handball	All India Inter-varsity	Captain
38.	Abhishek	Football (M)	All India Inter-varsity	Participated
39.	Shubham Panwar	Football (M)	All India Inter-varsity	Participated

40.	Tanisha	Cricket (W)	All India Inter-varsity	Participated
41.	Simran	Cricket (W)	All India Inter-varsity	Participated
42.	Sakshi	Cricket (W)	All India Inter-varsity	Participated
43.	Purnima	Table Tennis (W)	All India Inter-varsity	Participated
44.	Surbhi	Table Tennis (W)	All India Inter-varsity	Participated

University Level Sports Achievements

Sno	Event	2011-12	2012-13	2013-14	2014-15	2015-16
1.	Table Tennis (M)	Winner	Third	---	Runners up	Runners up
2.	Table Tennis (W)	Runners up	Runners up	---	Runners up	---
3.	Taekwondo	Winner (1 Gold/ 1 Silver)	1 Silver/ 1 Bronze	1 Gold/ 1 Bronze	---	---
4.	Cross Country (M)	Winner	Winner	----	---	---
5.	Cross Country (W)	Winner	Third	---	---	---
6.	Cricket (M)	---	---	---	---	---
7.	Cricket (W)	Runners up	---	---	Winner	Runners up
8.	Football (M)	Third	Winner	Winner	---	---
9.	Handball (W)	---	---	---	Runners up	---
10.	Athletics (M)	3Bronze	Winner	Runners up	---	---
11.	Athletics (W)	2Gold/1Silver	1 Gold/ 1 Bronze	---	1 Silver/ 1 Bronze	---
12.	Boxing (M)	1 Bronze	---	1 Bronze	---	1 Gold/1 Silver (Zone)

						Third (Inter-Zone)
13.	Boxing (W)	1 Gold	1 Gold/ 1 Silver	1 Gold	---	---
14.	Relay Race (M)	---	Winner			
15.	Relay Race (W)	---	Third			
16.	Lawn Tennis (M)	---	---	Third	Winner	
17.	Pistol Shooting (M)	---	---	Third		
18.	Pistol Shooting (W)	---	---	Second		
19.	Rifle Shooting (W)	---	---	Runners up		
20.	Body Building					Silver
21.	Badminton (M)					Third

5.3.3 How does the college seek and use data and feedback from its graduates and employers, to improve the performance and quality of the institutional provisions?

- Graduates are required to fill an exhaustive Feedback Form on the day of Convocation. This feedback is then analyzed and necessary remedial measures are taken up.
- Similarly, Mid-Term feedback is obtained from students during the session and action taken accordingly.
- Online Feedback is obtained on CIMS from outgoing students as well as existing students. The data is then analyzed by the concerned committee and suggestions for improvement are recommended on the basis of this feedback.
- Feedback from Employers:
- Every year Placement Cell invites many renowned companies & financial institutes for the placement drives like Wipro, IBM, Xperia Technologies, Genpect, HDFC, ICICI Prudential, Reliance, Tech Mahindra, TBSS etc. Representatives from these companies give their valuable suggestions for the improvement of institutional provisions. These suggestions are discussed with HoDs and concerned committees for policy making.
- Different types of feedback received from students and employers is analyzed and used to:
  - Develop suitable academic facilities

- Make changes in the teaching-learning process
- Improve library resources accordingly
- Improve the general functioning of the institution.

5.3.4 How does the college involve and encourage students to publish materials like catalogues, wall magazines, college magazine, and other material? List the publications/ materials brought out by the students during the previous four academic sessions.

Students are encouraged to showcase their talent through various activities throughout the session. This is ensured through the activities undertaken by various clubs/societies and associations.

Details of publications/materials brought out by students during the previous four academic sessions are as follows:

- Regular Annual Publication of 'Sanatan Sancharika', the college magazine, containing original articles by students, including poems, short-stories, essays, thoughts, puzzles and other trivia.
- A wide range of charts, rangolis, invitation cards, posters, models — both working and non-working — PowerPoint Presentations, Quiz Questionnaire are made exclusively by students.
- Regular showcasing of creative material on Display Boards throughout the campus by the students.
- Students are motivated to produce documentaries on Social Issues which are then screened on special occasions**.**
- Publications by students are also displayed on College Website.

List of publications by students during last four years

- Documentary on "Women Empowerment" by Vishal Verma, B.Sc Non-Med-I bagged first prize of Rs 11,000/- in the State level competition held at Govt. College, Panchkula and Second Prize of Rs 4,000/- in the Divisional level competition held at Govt. College, Ambala Cantt.
- Research papers of 20 Students of M.Com Gen and M.Com IT have been displayed in Poster Presentations in One day National Seminar on "Strategic Role of Information Technology in Empowering Commerce" held on 16 March 2016.
- Mobile App developed by students of Computer Science on Blood Donation is available on Google play platform.
- Ms. Damini of B.Com has published stories in following two books:
  - Half Baked Love
  - The Master Stroke
- Ms Damini of B.Com has published following two self composed poems in the following books:
  - Un-Whispered Wish
  - Zindagi Rewind

- Mr. Abhinav Kapoor of B.Com has published a book titled "My Thinking: A Step Towards Change"
- Mr. Rahul Dogra of B.Com Gen has published Chapters in two books namely:
  - Nano Tales
  - Un-Whispered Wish
- Mr. Bhaskar Dubey of B.A. Political Science has published book on "Namo Dharshan: Narender Modi Bhartiya Rajneeti ka Naya Yug"

5.3.5 Does the college have a Student Council or any similar body? Give details on its selection, constitution, activities and funding.

As per the policy of the State Government, the college does not have any Student Council or similar body.

5.3.6 Give details of various academic and administrative bodies that have student representatives on them.

Students are inducted in various Subject Associations. As and when required they are also taken on in the administrative bodies and their suggestions are invited. For example, two students from the college were invited to participate and give suggestions during the District level meetings held in the college on National Education Policy.

Besides, student representation is ensured through:

1. Student Editors in College Magazine
2. Office-Bearers of different Clubs/Societies/Associations
3. Student Representative in IQAC & Feedback Committee
4. Students are given key administrative assignments for major functions organized by the college.
5. NCC/NSS leaders and commanders represent the institution at various levels.
6. The college has a Rotaract Wing in which more than 50 students are office-bearers and members.

5.3.7 How does the institution network and collaborate with the Alumni and former faculty of the Institution.

Network and collaboration with the Alumni:

- The Alumni Association is actively engaged in the development of the institution.
- As and when required the alumni association is involved in major planning and decision making policies of the institution.
- Stating two instances- Donations were received from the association up to the amount of Rs 7 lakhs during the construction of the College Auditorium.
- Also donations were received from the association for the construction of College Seminar Hall.

- The Alumni of the college also provide private scholarships to the students which is also a great boost to the institution.
- Some of the distinguished alumni of the college are invited as Chief Guests on important functions like Blood Donation Camps, NSS camps etc.
- Alumni placed at high positions are also invited as Guest speakers to interact with the students and also to motivate the students.
- Holding the Alumni Meet is an annual feature of the institution which helps in maintaining a connection of the alumni with their alma mater.
- This year the Alumni Association along with the institution felicitated the former Principals, former Teachers and non-teaching staff to mark the centennial celebrations of the college.

- The Alumni has their representative in the IQAC of the college.

Network and collaboration with Former Faculty:

The institution believes in maintaining a life-long relationship with the retired staff of the college. To achieve this goal, it undertakes the following measures:

- They are invited to all the major functions of the college like Annual Convocation, Prize Distribution, Alumni Meet, Retirement Parties, National Day Celebrations, Youth Festivals etc.
- As a matter of tradition and policy, they are invited as Chief Guests on National Day Celebrations.
- They are invited as Guest Speakers in the NSS camps to share their experiences and for motivating the volunteers.
- The former faculty is also invited for expert lectures by the Subject Associations.
- They are regularly felicitated on different occasions like the Alumni Meet and other similar programs.

Any other relevant information regarding Student Support and Progression which the college would like to include.

Student Support & Progression receives the highest priority as students are our primary stakeholders. The development of students in all spheres — academic, co-curricular and social — is the foremost responsibility of the institution. Hence, major resources and efforts are directed towards enhancing the total personality of the student and in bringing about a paradigm shift in his sensibility in sync with today's global requirements.

CRITERION VI
GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 Institutional Vision and Leadership

6.1.1 State the vision and mission of the Institution and enumerate on how the mission statement defines the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, institution's traditions and value orientations, vision for the future, etc.?

The vision of the college finds its origin in the lofty ideals of its founders and eminent educationists who started the institution with the vision of building a temple of higher learning. The motto: **'Firm in Faith & Large in Heart'** encapsulates this vision.

The mission of the institution is the upliftment of the society through education. This continues as our guiding light and as a beacon which guides us all through. We strive to follow the philosophy of nurturing a healthy human resource which is endowed materially, intellectually, morally and spiritually.

The Higher Education policies of the Nation calls for a paradigm shift in the concept of education in the backdrop of global needs and requirements. Consequently, the vision of the institution is not to impart education as a stagnant pool of water but as a river that flows continuously — changing, evolving and taking all the ups and downs in its stride. It is due to this vision of the institution that it has been able to maintain its position as a college with 'Potential for Excellence' among its peers in the region.

The institution translates its vision statement into its activities by:

1. Constantly evaluating and upgrading its academic programmes.
2. Introducing new programmes in tune with the current requirements.
3. Focusing on imparting of life-skills to students.
4. Personality Development Programmes for students and teachers.
5. Strengthening co-curricular activities areas — NCC, NSS, Sports, Cultural and Placement Services.

6.1.2 What is the role of top management, Principal and Faculty in design and implementation of its quality policy and plans?

Top Management

The top management of the college believes that quality and excellence are the hallmark of education. They are of the view that Quality Policies and Plans should be framed by those who are actually working at the grass-root

level and know the ground-realities. Hence, the college Principal is empowered by them to take all major decisions pertaining to this area.

Principal & Faculty

The Principal and Faculty work in tandem to frame Quality Policies and implement them. To facilitate this process, the following core committees take policy decisions:

- **Internal Quality Assurance Cell (IQAC)**
  - Takes care of the implementation of the recommendations made by the Planning Board and Advisory Committee.
  - Harmonizes the quality needs of the institution and the recommendations of NAAC.
- **Planning Board**
  - Acts as a long-term planning body of the institution
  - Formulates plans for the academic vision of the institution
- **Advisory Committee**
  - Advises the Principal in day to day administrative affairs of the college
  - Helps in formulating Annual Action Plans on academic issues.

6.1.3 What is the involvement of the leadership in ensuring:

- **the policy statements and action plans for fulfillment of the stated mission**
- **formulation of action plans for all operations and incorporation of the same into the institutional strategic plan**
- **Interaction with stakeholders**
- **Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders**
- **Reinforcing the culture of excellence**
- **Champion organizational change**

The college was set up in Lahore in 1916 and rehabilitated at Ambala Cantt in 1948. Since then, the top Management and Leadership of the college has worked meticulously and in a highly planned manner to steer the institution to heights of excellence. The following initiatives are regularly undertaken by the institution to ensure quality and excellence:

- Constant interaction with stakeholders — both formally and informally.
- Chalking out of Annual Plans
- Opening up new courses as per the need of the stakeholders.
- No compromise policy with excellence in education.
- Imbibing new technology, upgrading infrastructure and following latest managerial concepts for overall development of the institution.
- Understanding the constantly changing Teaching-Learning environment and

making radical changes accordingly.

6.1.4 What are the procedures adopted by the institution to monitor and evaluate policies and plans of the institution for effective implementation and improvement from time to time?

The field of Higher Education is highly dynamic and keeps on evolving from time to time. The college authorities are well aware of the fact that constant monitoring and evaluation of policies is required for effective implementation and regular quality improvement.

The following measures are undertaken to ensure this:

- Regular meetings of the College Management and Governing Body are held to monitor and evaluate policies and plans of the institution.
- The IQAC is being given more and more autonomy in a phased manner.
- IQAC is given autonomy as per UGC/ NAAC/ State Govt. instructions
- The College Planning Board and Advisory Committee continuously review the policies and ensure their timely implementation.
- Evaluation of policies is done through various feedback mechanisms instituted by the college.

6.1.5 Give details of the academic leadership provided to the faculty by the top management?

The management has given complete autonomy to the Principal and the faculty to develop academic leadership. Faculty is given a free hand to work as conveners, coordinators, secretary or members of the organizing committees of various academic events organized by the college. Teachers can also work on various academic bodies in the university or government/nongovernment organizations.

The Heads of departments are given freedom to administer their respective departments, plan and execute academic programs. Class wise in-charges and Post Graduate Programme Coordinators are appointed to facilitate smooth conduct of academic activities throughout the year and monitor the overall progress of the students.

Academic Leadership is developed through the functioning of Advisory Committee and Planning Board in which faculty members are groomed for future leadership.

6.1.6 How does the college groom leadership at various levels?

- The entire working of the institution is a complex but organized network of Teamwork. Beginning from the Admission Process till the culmination of the session with two major functions — Annual Convocation and the Annual

Prize Distribution Function, the entire working is planned, executed and evaluated by Standing Committees constituted by the college Principal at the beginning of each session.

- These Standing Committees are headed by a Convener and Co-Convener and have teacher members. Every year, the Committee Heads are changed in rotation ensuring that new leadership is groomed accordingly.
- The college grooms leadership at three main levels: teaching faculty, students and administrative and support (non-teaching) staff levels.
- College authorities appoint the head of the department to take up the role of departmental administrative and academic head. In addition, the head is also given the responsibility of handling some of the administrative tasks at the college level. All teachers take various curricular, extracurricular and administrative responsibilities in rotation. Periodic capacity building, as well as faculty development programs, also help them to sharpen their management skills.
- For administrative and support staff, training workshops for overall developmental skills are organized. Training for effective use of ICT and ERP is usually conducted through professionals. College sends the office/library staff for relevant training to meet the changing needs of the administration.

6.1.7 How does the college delegate authority and provide operational autonomy to the departments / units of the institution and work towards decentralized governance system?

Decentralization of power and delegation of authority is the key to effective and smooth functioning of the institution. The college management & the Principal ensure that power is delegated at each and every step of policy-making, planning, execution and evaluation.

- Each department of the college enjoys its own autonomy in terms of day-to-day working — both academic and non-academic. Heads of the departments have full freedom regarding the following:
    - Time-Table
    - Unitization of Syllabus
    - Purchase
    - Association Activities
- All subject associations and other clubs/association incharges enjoy operational autonomy in the day to day working and organization of various events.
- When the institution organizes some event on a big scale, like Zonal or Inter-Zonal Youth Festival, authority is delegated to suitable faculty members who in turn form various committees who work under the guidance of sub-conveners.
- The college staff is given complete decision making powers in matters of strategic planning and execution.

6.1.8 Does the college promote a culture of participative management? If 'yes', indicate the levels of participative management.

The college does promote a culture of participative management. This is reflected in the overall constitution and working of the institution.

- The institution is spearheaded by the S.D. College Society (Lahore) which in turn elects the S.D. College Management and thereafter the S.D. College Governing Body.
- This not only ensures channels of supervision and accountability but also helps in promoting a culture of decentralization of power.
- The Governing Body, which is the main decision and policy making body of the institution, is aptly represented by two members of the teaching faculty and one member of the non-teaching staff.
- As and when required, the office-bearers and/or members of the management interact with the staff both formally and informally on issues of importance.
- To promote participation of the staff in policy making and decision taking, regular meetings of the staff-council are conducted wherein the faculty is given an opportunity to air their views.
- All major policy decisions and future action plans are discussed and finalized by the Advisory Committee, Planning Board and IQAC, all of which comprise senior faculty members.
- The IQAC of the college has members from the management, alumni, administrative office, student representative, industry, society and experts from chosen fields in order to ensure participative management.

6.2 Strategy Development and Deployment

6.2.1 Does the Institution have a formally stated quality policy? How is it developed, driven, deployed and reviewed?

The college does have a formally stated quality policy which is regularly communicated to the stakeholders. The IQAC of the college ensures that quality is maintained in all aspects of the institution including teaching-learning. To achieve this objective, the following measures are taken:

- The foremost objective of the quality policy is to achieve the Vision and Mission of the college and to uphold the Sanatan tradition of its founders.
- The college endeavours to incorporate the latest trends in the teaching-learning process keeping in mind the needs of both the advanced as well as the slow learners.
- It ensures that teachers are motivated to follow ICT as a teaching-learning device.
- The college has developed a fully-functional CIMS which helps in the deployment and review of the quality policies.
- The IQAC of the college constantly reviews the measures taken regarding maintenance of quality and excellence. It suggests ways and means to be

deployed for achieving overall excellence and quality in all major areas of working of the institution.

6.2.2 Does the Institute have a prospective plan for development? If so, give the aspects considered for inclusion in the plan.

The institution has come a long way from running from dilapidated make-shift class-rooms in 1948 after being rehabilitated in Ambala (from Lahore) to a sprawling campus with excellent infrastructure and facilities as on date. All this is the result of meticulous, timely and strategic planning.

While the need for development of any HEI is constant, the type of development required varies according to the varying needs of the stakeholders. The prospective plan for development of the college includes the following aspects:

S. No.	Aspects	Details
1.	**Infrastructural Development**	• Renovation of History Museum. • Smart Class Rooms. • Audio-System in Auditorium. • Construction of two new Seminar Rooms. • Departmental Libraries.
2.	**Recreational Facilities**	• Table Tennis Room. • Common Room for Boys. • Yoga & Meditation Facility.
3.	**Teaching-Learning Facilities**	• Development of e-Content. • Virtual Class Rooms. • Enhancement of Book Bank. • Augmentation of Notes/Question Bank on CIMS. • Link up with State EDUSAT. • Student Exchange Program. • Visits to Institutions of Eminence. • Remedial & Coaching Classes.
4.	**Sports Facilities**	• State-of-the Art Gymnasium. • Additional Language lab.
5.	**Equipment**	• Integrated Projection Systems. • Installation of second Sanitary Napkin Vending Machine and Incinerator.

6.	**Facilities like: NCC, NSS, Career Guidance, Placement Services**	• Campus Pool Drive. • Eco-friendly Club. • IPR Cell. • Health Club.
7.	**New Courses**	• B.Com (Hons.) • Mass Communication as subject in graduation.

6.2.3 Describe the internal organizational structure and decision making processes.

- The Principal is the Head of the Institution who is the overall administrator of the college. The employees consist of the teaching and non-teaching staff, who work under the direct supervision of the Principal.
- All major policy decisions are taken by the Governing Body of the college of which the Principal is an Ex-officio Member.
- The day to day working of the college is a teamwork in which various committees play their role. Decision making is carried out at several levels with the Principal having the final say.
- The IQAC, the Advisory Committee and the Planning Board Committee are the three core committees which play a crucial role in the decision-making process.

6.2.4 Give a broad description of the quality improvement strategies of the institution for each of the following

- ❖ **Teaching & Learning**
- ❖ **Research & Development**
- ❖ **Community engagement**
- ❖ **Human resource management**
- ❖ **Industry interaction**

Teaching & Learning

This remains the key-focus area for quality improvement. The college endeavors to improve the quality of teaching & learning through the following:

- Latest Infrastructure.
- An enhanced library experience for the students and the staff.
- Focus on ICT.
- Regular exposure of the faculty to FDPs/Seminars/Conferences.
- Smart Classrooms.
- Exposure to Soft Skills and PDP Programs.
- AC Reading Room in the Library.

Research & Development

Research & Development has become the priority area after Cycle-2 of the accreditation. The institute has made rapid strides in this field as is evident from the following:

- Teachers are encouraged to go in for Major and Minor UGC Research Projects.
- This year, 11 Faculty Members have been awarded Minor Research Projects by UGC.
- Newly appointed teachers are encouraged to participate in workshops related to Research Methodology.
- The college publishes its own Research Journal regularly by the name of *Purva Mimaansa*.
- The Institution facilitates the faculty members in getting their Research Papers published in journals of repute.
- The affiliating University gives financial incentive/subsidy for publication of Ph.D. Dissertation.
- The college has set up the Sanatan Dharma Research & Development Centre.
- The College encourages faculty members to avail the UGC scheme of Faculty Improvement Program under which study leave is granted for a period of two years.
- Teachers are provided financial assistance for presenting research papers in seminars/conferences

Community Engagement

Various clubs/societies, NCC and NSS Units of the college are actively involved in Community Engagement activities. These include the following:

- Different competitions on social issues like chart making, slogan writing, debates, declamations, essay writing etc. are organized.
- The village youth are involved and sensitized on social-issues during seven day NSS camps.
- Events like awareness rallies, nukkad-nataks, sensitization programs, seminars, expert lectures are organized on social issues.
- The institution believes that one of the ways to serve the community is through preservation of environment. To achieve this goal, the campus has been converted into Zero Water Wastage Campus and so recognized by the community.
- The greatest service to the community is voluntary blood donation. The institution, in collaboration with various social organizations like Lions Club, Rotary Club and Jaycees Chapters and District Red Cross Society regularly organizes Mini and Mega Blood Donation Camps annually in which approximately 300-400 units of blood is collected.
- The college has a system in place for e-waste management.
- Students of the college are actively engaged in Community Service through the College Rotaract Club.

Human Resource Management

Human Resource, both in the form of teaching faculty and non-teaching staff plays the most vital role in the institution. The institution takes care in selection and retention of its Human Resource through the following measures:

- All recruitments are done in a transparent manner on All-India basis as per UGC/Haryana Govt./KUK guidelines.
- The college encourages its teachers to participate actively in FDPs, Seminars and Conferences.
- The college pays the highest emoluments to its temporary teaching faculty in the region.
- Training Programs are organized for the staff to enhance various skills. These include the following:
    - Communication Skills
    - Use of ICT as a Teaching-Learning Resource
    - Soft Skills
    - Use of CIMS

Industry Interaction

The college has an active Placement Cell which interacts with the Industry and the Corporate Sector by organizing:

- Regular visits to the industry
- Regular Placement Drives
- Expert lectures from resource persons by the industry

6.2.5 How does the Head of the institution ensure that adequate information (from feedback and personal contacts etc.) is available for the top management and the stakeholders, to review the activities of the institution?

Communication dissemination is a top-priority area of the Head of the Institution. The Principal sends regular feedback to the college management regarding the activities of the college. This feedback is based on both formal and informal modes of communication.

Specific feedback is collected by the Head of the Institution related to teaching, learning, administration, library services, curriculum and infrastructure. The Feedback Committee of the college analyzes this feedback* and submits its report to the Principal. The Principal then interacts with the different committees and HODs. Thereafter he informs about the major issues emanating from this feedback to the top management.

*Includes feedback on teaching, learning, library services, infrastructure requirements, demand for new courses etc.

6.2.6 How does the management encourage and support involvement of the staff in improving the effectiveness and efficiency of the institutional processes?

The college is aware of the importance of motivating the staff for improving the effectiveness and efficiency of the institutional processes. This is ensured through the following initiatives:

- In the beginning of each academic session, various Standing Committees are formed which cover each and every aspect of the institutional process. The following committees constituted for the session 2016-17 give an idea how all aspects of institutional processes are covered by ensuring the participation of all staff members:

Annual Standing Committees / Associations / Clubs / Societies

1. Admission Committee
2. Advisory Committee
3. Annual Report Committee
4. Anti Ragging & Discipline Committee
5. Beautification & General Cleanliness of Campus
6. Blood Donation Committee
7. Canteen Committee
8. Career Guidance Cell
9. CIMS Committee
10. College Construction & Electrical Maintenance Committee
11. College Red Cross Committee
12. Cultural Advisory Committee
13. Cultural Affairs Committee
14. Cycle Stand Committee
15. Environment Awareness Committee
16. Examination Committee
17. Fee Concession Committee
18. Feed Back Analysis Committee
19. General Functions Committee (Convocation, Prize, Distribution, Other Functions)
20. Grievance Redressal & CASH
21. Hospitality Committee
22. Internal Quality Assurance Cell
23. Legal Literacy Cell
24. Library Advisory Committee
25. Library, Audio Visual Room & Internet Upgradation Committee
26. Magazine Committee
27. NCC Advisory Committee
28. NSS Coordination Committee
29. Planning Board
30. Press & Publicity Committee
31. Reception Committee
32. Result Compilation Committee
33. Sanatan Dharma Adhyatmic Sabha
34. Scrap Disposal Committee
35. Seating Arrangement Committee
36. Sound Committee
37. Sports Committee
38. Subject Societies / Associations
39. Submission of Proposals for New Courses and Subjects
40. Talent Show Contest Committee
41. Tour Committee
42. UGC Proposals Committee
43. University Work Committee
44. Website Up gradation Committee
45. Women Development Cell
46. Young Speakers' Club & Creative Students' Association

- The staff is motivated by providing a congenial working environment and latest facilities in the following categories:
    - Library
    - Staff-Room
    - Departmental Rooms
    - Rest Rooms
    - Canteen
    - Recreational Facilities
    - Internet and ICT Support
    - CIMS
- The college ensures that all the members of the staff participate equally in improving the effectiveness and efficiency of the institutional processes by taking the following measures:
    - Representation in various committees/clubs/associations and other facilities on rotational basis.
    - Conveners of various committees/clubs/associations and other facilities are assigned on rotational basis.
    - Faculty members are actively involved in the decision making processes of the college at various levels as Conveners, Co-Conveners and Members of various committees.

6.2.7 Enumerate the resolutions made by the Management Council in the last year and the status of implementation of such resolutions.

Resolutions of the Governing Body

S No.	Resolutions made by the Governing Body of the College	Status of implementation
1.	**24.09.2014 – Res. No. 4** The G.B. approved two faculty members and seventeen non-teaching employees appointed on regular bases.	NA
2.	**24.09.2014 – Res. No. 5** The G.B. approved the confirmation of services of fourteen non-teaching employees and six faculty members.	NA
3.	**24.09.2014 – Res. No. 6** The G.B. approved one teaching and two non-teaching employees appointments against the self finance scheme of the Management.	NA
4.	**24.09.2014 – Res. No. 7.(iii)** The G.B. approved issuing of N.O.C. to one teacher for Ph.D registration.	Implemented
5.	**24.09.2014 – Res. No. 12.(1)** The G.B. approved the promotion of one Non-teaching employee.	NA
6.	**29.07.2015 – Res. No. 4** The G.B. approved the appointment of Principal and seven faculty members on regular bases.	NA
7.	**29.07.2015 – Res. No. 5**	NA

	The G.B. approved the confirmation of services of one faculty member.	
8.	**29.07.2015 – Res. No. 6** The G.B. approved the grant of senior scale to twelve teachers.	NA
9.	**29.07.2015 – Res. No. 7.(1)** The G.B. approved issuing of N.O.C. to one teacher for pursing Ph.D.	Implemented
10.	**29.07.2015 – Res. No. 7.(2,3)** The G.B. approved for issuing N.O.C. to two teachers for Ph.D. registration.	Implemented
11.	**29.07.2015 – Res. No. 7.(5)** The G.B. approved the maternity leave of one teacher.	Implemented
12.	**29.07.2015 – Res. No. 13** The G.B. approved the extension of deputation of one teacher.	NA
13.	**21.05.2016 – Res. No. 4** The G.B. approved the confirmation of services of Principal and eight faculty members.	NA
14.	**21.05.2016 – Res. No. 5.1,.6 .7, & .8** The G.B. approved issuing of N.O.C. to four teachers for pursing Ph.D.	NA
15.	**21.05.2016 – Res. No. 15** The G.B. approved one faculty for grant of teacher fellowship by the UGC under FIP.	NA
16.	**30.12.2016 – Res. No. 4** The G.B. approved the appointment of seventeen non-teaching employees on regular bases.	NA
17.	**30.12.2016 – Res. No. 5 (4) & S.A. 5.7** The G.B. approved for N.O.C. to two teachers for pursing Ph.D	NA
18.	**30.12.2016 – Res. No. 6** The G.B. approved two teachers appointed under DDUKK Scheme.	NA
19.	**30.12.2016 – Res. No. 10** The G.B. approved the one maternity leave of one teacher.	Implemented
20.	**30.12.2016 – Res. No. 11** The G.B. approved the study leave of one teacher.	Implemented
21.	**30.12.2016 – Res. No. 12 & 13** The G.B. approved the promotion of two Non-teaching employees.	NA

6.2.8 Does the affiliating university make a provision for according the status of autonomy to an affiliated institution? If 'yes', what are the efforts made by the institution in obtaining autonomy?

There is no provision for providing autonomy to privately managed affiliated colleges either by the University or the State Government.

6.2.9 How does the Institution ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyze the nature of grievances for promoting better stakeholder relationship?

- The college has a Grievances Redressal Committee in place both for the

staff and students. The guidelines for the working of this committee are documented and adhered to while disposing of complaints/grievances, if any.

- From the session 2016-17, the entire system of Grievance Redressal has been made online on CIMS. Students and Faculty Members can now post their grievances online. These are then communicated to the concerned authorities through printed hard copies and action is taken accordingly.

6.2.10 During the last four years, had there been any instances of court cases filed by and against the institute? Provide details on the issues and decisions of the courts on these?

S.No.	Litigant / Case No. & Court	Issues Involved	Status
1	S. D. College v/s Regional Provident Fund Commissioner, Karnal. Punjab & Haryana High Court, CWP-6415 of 25.04.1994	Provident Fund of Employees.	Pending
2	Gulshan Kumar v/s State of Haryana, DHE and Others. Punjab & Haryana High Court, CWP-16446 Dt.21.06.2014.	Selection of Assistant Prof. in Phy. Education	Disposed off
3	Bhavet v/s State of Haryana and Others. Punjab & Haryana High Court, CWP-15678 of 19.08.2014	Selection of Assistant Prof. in Commerce.	Pending
4	Nitin Sehgal v/s State of Haryana and Others. Punjab & Haryana High Court, CWP-25598 of 30.12.2014	Selection of Asstt. Prof. in Phy. Edu.	Pending
5	Rashmi Bala v/s State of Haryana and Others. Punjab & Haryana High Court,CWP-15986 of 05.08.2015	Payment of salary after retirement period.	Pending
6	Bal Singh, Lokesh & Others v/s State of Haryana and Others. Punjab & Haryana High Court, CWP-24923 of 26.11.2015	Leave Encashment	Pending
7	Balesh Kumar v/s State of Haryana and others, Punjab & Haryana High Court, CWP-5713 of 21.03.2016	Counting of Previous Service for purpose of CAS.	Pending
8	Gurcharan Singh v/s State of Haryana and Others. Punjab & Haryana High Court, CWP-9725 of 21.07.2016	Leave Encashment	Pending
9	Baryam Singh v/s Pricipal, S. D. College. Punjab & Haryana High Court, CWP-26854 of 22.12.2015	Implementation of the judgment of 24.12.2014, Punjab & Haryana High Court	Pending

10	Municipal Council v/s Pardhan S.D. Sabha, Criminal Case No. 30 of 08.05.2008/05.09.2012.	Approval of Site Plans	Closed

6.2.11 Does the Institution have a mechanism for analyzing student feedback on institutional performance? If 'yes', what was the outcome and response of the institution to such an effort?

The institution has a structured mechanism for obtaining and analyzing student feedback on institutional performance. The outcome and response is detailed below:

Midterm Student Feedback (2015-16)

Student feedback is a rich and valuable source of information for both formative and summative purposes. Hence, analysis and consequent improvement is a key component for enhancing the quality framework of the institution. To analyze the feedback of the students related to the potential of the college in all the spheres, the Feedback Analysis Committee conducted the midterm evaluation of over 15% students from different streams.

The Student Feedback Form was designed to obtain information in following categories:

1. General questions on the study-unit
2. Comparison of study-unit with actual delivery
3. Lecture method as a teaching tool
4. Methods of assessment
5. Administration and resources
6. Library Facilities
7. Laboratory infrastructure
8. Campus Cleanliness
9. Co curricular and Cultural activities
10. Comments and Suggestions

- **How is Student Feedback Obtained?**

  Students are invited on the basis of their regularity in classes and their percentage in lower exam. Feedback is obtained twice in an academic session — November and February — both from students on roll and immediate pass-out students.

- **Anonymity of Student Feedback**

  The student feedback exercise is fully confidential and anonymous to ensure that students are not adversely affected by the feedback they submit.

Feedback Details

Findings	Suggestions / Comments
• 81.27% felt that 80-90% of syllabus is covered • 79.35% were happy with the working of CGC • Most of the students felt proud to talk about their college • 40.91% were fully satisfied and 43.05% were partially satisfied with maintenance of lab equipment • 48.81% found internal evaluation system good but 37.93% of them wanted a change • 38.81% felt that teachers prepared their lecture thoroughly, while 53.82% found it to be satisfactory • Most of the respondents were in favour of smart boards (38.03) as compared to chalkboards (35.64) and PPTs (26.33) • Most of the students were satisfied with the periodical section and material available in the library whereas 36.63% of the students reported library staff as rude and 16.84% indifferent towards students • 67.11% of the students were not satisfied with the cleanliness of the college canteen • 82.8% of the students reported administration as always helpful • 67% of the students reported urinals and toilets as unventilated, unclean and filthy • 51.47% of the students rated health care facilities provided by the college 'just satisfactory'	• More student-oriented workshops should be arranged related to the personal and professional development with the help of the corporate sector and industry. • Class participation should be given preference over assignments. • Traditional Classrooms should be replaced with Smart Classrooms. • In library new editions should be added timely for books in all the streams. • Number of the library tickets should be increased. • Duration of the issue of the books should be more. • Latest and new issues of the competitive books should be made available frequently. • Library should have centralized air conditioning. • Lockers should be provided in the library for keeping belongings. • Cleanliness with new infrastructure and lighting facility in college canteen • The eatables sold in the canteen should be available on nominal charges. • Proper Medical facilities should be available during the full college hours with the assistance of a lady doctor. • Toilets need to be cleaner. • There should be regular maintenance of water purifiers, water coolers, chalk-boards. • Students find collection of Roll Numbers for University

	Examinations a big hassle. More administrative staff needs to be put on duty to avoid the rush. • Cleanliness of the college canteen needs to be improved.

6.3 Faculty Empowerment Strategies

6.3.1 What are the efforts made by the institution to enhance the professional development of its teaching and non teaching staff?

Sharpening the saw is the key strategy for any human resource to function to its full potential. Our institution is committed to continuous growth and development of the skills and knowledge components of its teaching and non-teaching staff.

Professional Development of Faculty

- The teaching staff is regularly exposed to FDPs, Conferences, Seminars and Workshops.
- They are encouraged to develop e-learning resources and make use of ICT in the teaching-learning process.
- They are also encouraged to apply for UGC sponsored Research Projects.
- The college grants special study leave to teachers who wish to avail training programmes at various institutions/centres/universities and Research Laboratories.
- The college has organized the following In-House FDPs for the teaching faculty in the last four years:

S.No	Session	Workshop/FDP
1.	2011-12	FDP: Vedic Classes
2.	2011-12	Workshop: Indian Astrology
3.	2011-12	Workshop: Computational Sanskrit
4.	2011-12	Workshop: Electronic Media & Animation
5.	2012-13	Workshop: Effect of Music Education on Body & Mind
6.	2012-13	Mathematics Exhibition
7.	2013-14	Workshop: Creative Writing in Hindi
8.	2013-14	FDP: Applied Indian Psychology
9.	2013-14	FDP: Computational Sanskrit
10.	2013-14	FDP: On Human Rights
11.	2014-15	Workshop: Personality Analysis through Astrology
12.	2014-15	Workshop: Developing Vedic Gross National Happiness Index
13.	2014-15	Workshop: Metaphysics and *Panch Mahayagya*
14.	2014-15	Workshop: Radio Chemistry & Applications of Radio Isotopes

15.	2014-15	Workshop on Android Development
16.	2014-15	Workshop on Linux
17.	2014-15	Workshop on MATLAB
18.	2014-15	Workshop on Computational Physics
19.	2014-15	TEXNOXIAN
20.	2014-15	Workshop on PHP
21.	2015-16	FDP: Photoshop, Flash & VB Database Connectivity
22.	2015-16	FDP: Blog Development & Web Hosting
23.	2015-16	FDP: Java
24.	2015-16	FDP: Search Engine Optimization
25.	2015-16	Workshop: Computational Sanskrit
26.	2015-16	Workshop: Personality Analysis through Astrology
27.	2015-16	Workshop: Fundamental Principles of Ayurveda
28.	2015-16	Workshop: Techniques of Music Appreciation
29.	2015-16	FDP: Role of ICT

Professional Development of Non-Teaching Staff

The non-teaching staff of the institution is the machinery that helps in the smooth functioning of the institution. It is therefore imperative that this machinery is kept up-to-date, well-oiled and upgraded. In order to achieve this objective, the institution takes the following steps:

- The non-teaching staff is motivated towards paperless office working.
- Each member of the non-teaching staff has been provided with Open-Single-Cabin System for effective dissemination of his/her duties.
- The entire non-teaching staff is computer literate and is now being trained to work through ERP/CIMS.
- More than 15 Training Programs have been organized by the college for the non-teaching staff on various skills as follows:
- Organizational Skills
- Time Management
- How to Use CIMS
- Role of Computers in Office Management
- Understanding the Provisions of RTI Act, 2005.
- E-Payment & Cashless Transactions

6.3.2 What are the strategies adopted by the institution for faculty empowerment through training, retraining and motivating the employees for the roles and responsibility they perform?

Please see 6.2.6 and 6.3.1 above

6.3.3 Provide details on the performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better appraisal.

Annual Performance Appraisal is done through Annual Confidential Reports which are written by the college Principal and further reviewed by the Management. Teachers are encouraged to give detailed inputs on almost every aspect of their professional work through a Self-Appraisal Performa, which is reviewed, scrutinized and evaluated by the college Principal.

The IQAC evaluates the faculty on the basis of PBAS Reports submitted by faculty members at the end of each academic year and analyses the performance of teachers based on the following criteria: Teaching, Learning and Evaluation related strategies; Co-curricular, Extension activities, Professional Development Activities and Contribution in Research.

The institution has developed a special link on the CIMS to capture complete details of the multiple activities of the faculty online. The Head of the Institution as the admin of the CIMS can generate and print online reports for better appraisal. Teachers can upload the following information on CIMS:

- Participation and paper presentation in Seminars/conferences/symposia/ workshops etc.
- Research Papers published in journals
- Publication in Proceedings / Books or other media
- Details of activities organized as conveners of various associations/ clubs/etc.
- Creative Publications
- Contribution to co-curricular activities
- Major & Minor Research Projects (completed/on-going/applied for)
- Details of teachers acting as Faculty/Resource Person
- Details of work done as invigilator/examiner/paper-setter/Flying Squad Convener or Member
- Awards/Recognitions received
- Details of Faculty Members as members, editors etc. of Journals
- Faculty members on University Bodies/Professional Bodies/Academic Associations etc.

6.3.4 What is the outcome of the review of the performance appraisal reports by the management and the major decisions taken? How are they communicated to the appropriate stakeholders?

- Annual Confidential Reports (ACRs) are open to scrutiny by the concerned teachers. As per KU/Haryana Govt. Rules, adverse remarks, if any, are to be

communicated to the concerned teacher for improvement.

- For Career Advancement Scheme (CAS), the college scrupulously follows the PBAS/API system under which every faculty member, falling under the scheme, submits details of his/her API to the IQAC.

Outcome of the review of performance appraisal system:

- Improvement in the performance of the faculty members.
- Results in better teacher motivation.
- Effective teaching-learning process.
- Positive changes in results of the students.
- Helps in taking major policy decisions.

6.3.5 What are the welfare schemes available for teaching and non teaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?

- **Medical Insurance scheme**
  The entire staff is covered under this scheme.

- **Employee Ward Concession**
  419 members of the staff have availed the benefit of this scheme in the last five years.
- **EPF & Gratuity Facility**
  Both the teaching and non-teaching staff is provided EPF/Gratuity Facility. As a special incentive, the amount of EPF is kept as FDR for better interest generation.
- The members of the staff can avail facility of advance loan in case of exigency.

6.3.6 **What are the measures taken by the Institution for attracting and retaining eminent faculty?**

Faculty recruitment is done as per the guidelines of the State Government and KUK. The institution ensures that the best talent is retained by following merit-based selection. Retention of faculty is ensured through the following means:

- Highest emoluments as compared to similar situated institutions.
- By providing functional autonomy to the faculty
- Motivation by the management
- A well nurtured research culture
- Staff Club activities act as a cohesion force

6.4 Financial Management and Resource Mobilization

6.4.1 What is the institutional mechanism to monitor effective and efficient use of available financial resources?

The college has a well-defined policy and mechanism for effective and efficient use of financial resources. The institutional mechanism in this regard is formulated and monitored by the Finance Committee. Short and long-term planning is carried out in consultation with various stakeholders. In the Annual Budget, long-term planning is taken into consideration in order to fulfill the promises made by the institution in its Vision & Mission Statement. The various committees of the college always aim at utilizing the funds in the most suitable and efficient manner.

- Financial requirements are invited from all departments and the Annual Budget is prepared accordingly.
- The Finance Committee, Purchase Committee and the conveners of various facilities including Sports, Cultural, NCC, NSS etc. work in tandem to formulate the details of the Annual Budget.
- Thereafter, the Annual Budget is presented to the Managing Committee for its approval.
- All transactions are done through the bank. All expenditure — recurring & non-recurring — is incurred through cheques.

6.4.2 What are the institutional mechanisms for internal and external audit? When was the last audit done and what are the major audit objections? Provide the details on compliance.

Effective and Efficient use of available financial resources is checked by regular annual audits. These include:

- Internal Audit
- External Audit
- University Audit
- Audit by DGHE

6.4.3 What are the major sources of institutional receipts/funding and how is the deficit managed? Provide audited income and expenditure statement of academic and administrative activities of the previous four years and the reserve fund/corpus available with Institutions, if any.

The major sources of institutional receipts/funding are as follows:

SNo	Funding Agency	Type of Grant/Funds
1.	**Haryana Govt.**	• 95% deficit grant • State Scholarships for SC/BC • Seminars/Conferences • Maintenance Grant
2.	**UGC**	• Under XI Plan • Under XII Plan • CPE-I • CPE-II • BSR Projects • Major/Minor Research Projects • Seminars/Conferences • Additional Assistance Grant • Grant for Construction
3.	**ICSSR**	• Seminars • Workshops
4.	**DDU Kaushal Kendra through UGC**	• For starting B.Voc degree programs in Software Development and B.P.O.
5.	**Miscellaneous Central and State Agencies**	• For Seminars/ Workshops /Conferences
6.	**Alumni Association**	• Funds for Construction • Scholarships
7.	**Trusts & Individuals**	• Scholarships
8.	**Pradhan Mantri Kaushal Vikas Yojna Grant**	• Medical Sales Representative Course

6.4.4 Give details on the efforts made by the institution in securing additional funding and the utilization of the same (if any).

Apart from regular sources of income, the college explores alternative sources of additional funding. Under IQAC, various committees play a proactive role in writing proposals for funding to various agencies under different schemes.

Details of additional funding generated during the last five years:

S.No	Name of Scheme	Amount (Rs.)	Utilization
1	UGC XI Plan: General Development Assistance Grant for Colleges (UG)	19,00,000/-	Yes
2	UGC XI Plan: General Development Assistance Grant for Colleges (PG)	18,00,000/-	Yes
3	UGC XI Plan: Rejuvenation grant for renovation of old infrastructure	23,50,000/-	Yes

4	UGC XI Plan: Additional Financial Assistance	50,00,000/-	Yes
5	Conferences/seminars/workshops sanctioned during 2011-16	20,75,000/-	Yes
6	UGC XI Plan : Merged Scheme	24,70,000/-	Yes
7	UGC XII Plan- General Development Assistance (On Account Adhoc Grant)	4,75000/-	Yes
8	Instruments Maintenance Grant	2,80,000/-	Yes
9	UGC-College with Potential for Excellence - Phase I	1,00,00,000/-	Yes
10	UGC-College with Potential for Excellence - Phase II	1,50,00,000/-	Yes
11	Deen Dayal Upadhyaya Kaushal Kendra	3,35,00,000/-	Submitted for first year
12	Innovative Course M.Com (IT)	35,00,000/-	Yes
13	UGC- Basic Scientific Research Grant –I (2012-13)	48,00,000/-	Yes
14	UGC- Basic Scientific Research Grant –II (2014-15)	48,00,000/-	Yes
15	Add on courses- Web Designing, Functional English, Cosmetology	20,00,000/-	Yes
16	Instruments Maintenance Grant	2,80,000/-	Yes
17	Local MLA grant-I	11,00,000/-	Yes
18	Local MLA grant-II	11,00,000/-	For 2016-17
19	Chief Minister Grant	31,00,000/-	For 2016-17
20	Minor Research Projects Sanctioned by UGC during 2016	25,20,000/-	For 2016-17
21	Conferences/seminars/workshops sanctioned during 2016-17	5,20,000/-	For 2016-17
22	Conferences/seminars/workshops sanctioned during 2015-16	4,00,000/-	Yes
	Grand Total	**98970000/-**	

6.5 Internal Quality Assurance System (IQAS)

6.5.1 Internal Quality Assurance Cell (IQAC)

a. **Has the institution established an Internal Quality Assurance Cell (IQAC)? If 'yes', what is the institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance processes?**

The Internal Quality Assurance Cell (IQAC) was established in the college in 2001. It is fully functional.

- The institutional policy regarding quality assurance is in line with the changing paradigm of Higher Education in India.
- The college is pro 'excellence' and endeavours to incorporate the best that is available and that can be achieved.
- Continuous efforts to enhance quality in every field in the last ten years have borne fruit and today every constituent of the institution strives to follow 'quality' as its hallmark.

The active role of IQAC has initiated a culture of quality and excellence in

the institution. The following initiatives of the IQAC have helped the college retain a coveted position among sister institutions of the region:

i) Motivation and appreciation of teachers to develop professional skills and encourage them to conduct research.
ii) Development of innovative teaching methods with effective use of ICT.
iii) Involvement in co-curricular and extra-curricular activities and contribution towards holistic development of students.
iv) Sharing of resources and infrastructure for optimal utilization.
v) Development of systems and procedures like CIMS for improvement of institutional processes.

The above stated institutional policy has helped the institution to imbibe a culture of excellence in the following ways:

i) Effective implementation of systems and processes that has increased overall efficiency of institutional processes, both academic and administrative.
ii) Enhanced teacher participation in research, which is evident in the number of schemes / projects funded by various funding agencies.
iii) Orient newly recruited teachers through in house induction programmes / faculty development programmes, which have not only strengthened the teaching skills of the faculty but also contributed in realizing the vision and mission of the institution.
iv) Development and establishment of special infrastructure in terms of high end equipment, laboratory infrastructure, software, high computing machines for professional programmes etc.
v) Research projects for undergraduate students, which has propagated a culture of investigative thinking and enhancement of analytical skills and has strengthened the student-teacher relationship.
vi) Focus on development of e-resources and its integration in classroom teaching.
vii) Practical Support to teachers and students in all their endeavours leading to excellence in education.

b. How many decisions of the IQAC have been approved by the management / authorities for implementation and how many of them were actually implemented?

The IQAC works informally in tandem with the other Standing Committees of the college. All major decisions of the IQAC related to academic and curricular aspects have been implemented by the college.

c. Does the IQAC have external members on its committee? If so, mention any significant contribution made by them.

- Yes, IQAC has two external members on its committee.
- They give constructive suggestions during meetings of the IQAC for the development of the college.

d. How do students and alumni contribute to the effective functioning of the IQAC?

- As members of the IQAC, the alumni and student representatives take keen interest in the overall functioning and institutional processes.
- They offer constructive criticism and suggestions for the betterment of the institute in general and areas related to them specifically.

e. How does the IQAC communicate and engage staff from different constituents of the institution?

- During informal sessions of the IQAC, Conveners and Deans of different constituents are invited for discussion and for giving suggestions.
- It helps the UGC Proposal Committee in disseminating information with respect to research schemes, orientation of researchers and effective operational processes. It also communicates with the Heads of various departments and participates in academic and administrative decision making process. Procedural and practical support to teachers is provided in academic and administrative process/ procedure.
- The IQAC also maintains a close association with office staff and supports the office with regard to office automation and procedures for smooth working.
- It provides data on various aspects of the college and helps in understanding the CIMS procedures.

6.5.2 Does the institution have an integrated framework for Quality assurance of the academic and administrative activities? If 'yes', give details on its operationalisation.

While in any HEI, the academic activity is of utmost importance, administrative activities play an equally important role as a complementary system which augments and supports the academic activities. The institution has an integrated framework for quality assurance of both:

Quality Assurance in Academic Activities

- **Infrastructure**
  - The stakeholders are provided with the latest infrastructure to suit the changing academic environment
- **ICT Resources**
  - To encourage interactive teaching-learning, thinking skills and to enhance the sensory experience during learning, the institution is committed to provide the best ICT resources.
  - The latest addition to this is the Integrated Computer Based Smart Board & LCD Projection System
- **CIMS**
  - All academic activities of the faculty can be uploaded and retrieved in a printable format
  - Notes, Question-Banks and PPTs can be uploaded for students in a class specific manner

- **Teaching-Learning**
  - Regular inputs are given to the new faculty members by the HoDs and senior faculty members in the departmental meetings

Quality Assurance in Administrative Activities

- Online disposal of RTI Applications
- Single-User-Open-Cabin-System ensures hassle free interaction of the office staff with the stakeholders
- Online salary details of the staff — both teaching & non-teaching
- Complete uploading of all University Examination Results on CIMS which ensures accuracy, transparency and easy retrieval in a user-friendly format.
- Complete uploading of Internal Assessment on CIMS ensures transparency and saves precious man-hours.

6.5.3 Does the institution provide training to its staff for effective implementation of the Quality assurance procedures? If 'yes', give details enumerating its impact.

Need-based regular training is provided to the staff members for effective implementation of the Quality assurance procedures. Such training includes:

- Workshops on the effective use of CIMS
- Computer Literacy and Efficacy Programs for administrative staff.
- Sensitization Programs about IQAC/NAAC

The above measures have positively impacted the working of the institution as enumerated below:

- The entire faculty of the college regularly uses majority of the features of CIMS for their day to day academic and curricular activities.
- Use of ICT as a teaching tool has increased.
- The administrative staff is highly sensitized to the needs of the stakeholders.
- In general, overall excellence is reflected in the working of the institution in the fields of academics, sports, cultural, NCC, NSS and all associations, clubs and subject societies.

6.5.4 Does the institution undertake Academic Audit or other external review of the academic provisions? If 'yes', how are the outcomes used to improve the institutional activities?

Following measures are undertaken by the institute for the review of its academic provisions:

a. Before starting any new course, proper inspection and review of the academic resources is conducted by the University.

b. Every three years, a periodical inspection is done by an authorized team of the affiliating University for every class

c. Regular inspection by competent authorities is done to review the academic performance of each course.

6.5.5 How are the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?

Ever since the process of accreditation was started by NAAC, the institution has scrupulously followed all quality assurance mechansisms and aligned them with the requirements of NAAC.

The IQAC was established as back as in 2001 and Accreditation Cycles I and II were completed in time. The institution has been regularly sensitizing its stakeholders, especially the staff members, regarding the need for quality in higher education. It ensures that new standards of excellence are set and maintained through constant quality sustenance measures.

6.5.6 What institutional mechanisms are in place to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?

The Teaching-Learning Process is dynamic in nature. It is moulded from time to time to suit the requirements of the students. The college strives to imbibe the latest in terms of strategies, pedagogy, infrastructure and ICT resources to enrich the Teaching-Learning Process.

- **Structure**
  - Online feedback from students & manual feedback from experts from the industry is obtained
- **Methodologies of Operations:**
  - The relevant committee analyzes the above feedback, which is then discussed in IQAC and departmental meetings and finally the needful changes are recommended to the affiliating University.
- **Outcome**
  - The above mechanism positively impacts the teaching learning process as it initiates:
    - Changes in syllabi
    - Evaluation reforms
    - Changes in examination pattern.
    - Enhanced placements

6.5.7 How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders?

Quality Assurance in the institution is not followed on the lines of the corporate sector. It works more so in an intangible manner wherein all

stakeholders, both external and internal, are made aware of the quality assurance policies, mechanisms and its outcomes. The institution ensures that the same is conveyed to its stakeholders regularly through the following means:

- The college prospectus is an exhaustive resource of the QAPs of the college. This helps the students, their parents and the college staff to acquaint themselves with the quality measures of the institution.
- The college website is regularly updated to apprise both the internal and external stakeholders about the QAPs.
- The college Annual Report is also one of the means to convey the mechanisms and outcome of the quality measures taken throughout the year.
- The mechanisms and outcome of the QAPs are also discussed in detail during the meetings of the IQAC. These are also conveyed to the stakeholders during the meetings of the Managing Committee and the Governing Body.

Any other relevant information regarding Governance Leadership and Management which the college would like to include.

The college management is committed to impart value-based quality education which produces young men and women who are equipped to face the challenges of the 21st Century. To achieve this mission, the college leadership takes the following measures:

- It keeps itself well-informed of the dynamic changes happening in higher education at National and International levels.
- It strives to equip the institution with the latest infrastructure.
- It ensures the optimal use of ICT resources in the teaching-learning process.
- It stresses on regular FDPs to keep the faculty updated.
- It regularly motivates the faculty to engage in active research.

CRITERIA VII
INNOVATIONS AND BEST PRACTICES

7.1 Environment Consciousness

7.1.1 Does the Institute conduct a Green Audit of its campus and facilities?

- Yes. The college is committed to saving the environment and working towards a sustainable future. Green Audit helps in using natural resources judiciously and mapping the consumption pattern and wastage. Energy audit, waste audit, and air audit were conducted by environmental club students as a part of their environmental awareness course work in the year 2012-13

- In the year 2015 -16, under the aegis of 'zero waste campus' which is a part of CPE (Extension Activities) energy, water, air and waste audits were conducted by the students. The observations of all the audits were compiled into a report and submitted to the college along with immediate and long-term suggestions to increase the environment friendly practices on the campus.

7.1.2 What are the initiatives taken by the college to make the campus eco-friendly?

- **Energy conservation**
- **Use of renewable energy**
- **Water harvesting**
- **Check dam construction**
- **Efforts for Carbon neutrality**
- **Plantation**
- **Hazardous waste management**
- **e-waste management**

The college makes special efforts to instill environmental awareness amongst its students with the belief that environmental awareness will lead to environmental action. For developing ecological consciousness amongst students a wide range of activities such as organizing campaigns, poster exhibitions, street plays, film screenings, field visits, workshops and seminars are undertaken by the college. Efforts are also made to institutionalize some of the environmentally sustainable practices in college. The initiatives taken by the college to make the campus eco-friendly are as follows:

Energy Conservation

- The campus night lights were replaced by CFL and LED lights to conserve energy.
- ELCB (Earth Leakage Circuit Breaker) were installed at various locations on the campus to prevent current leakage and protect other electrical installations.

Use of Renewable Energy:

- Project to install 2 Solar panels of 70 KW each is under consideration.

Water Harvesting

- Five ground water recharging plants

Efforts for Carbon Neutrality

- The college campus is green and every year trees are planted on regular basis. Planting trees has been one of the ways of offsetting carbon. In general CO, CO2 emissions are already within permissible limits as there are no pollution sources in the vicinity. A well maintained botanical garden.

Tree Plantation

- Every year hundreds of saplings are planted on the campus, city and villages adopted by students and staff of the college.

Waste Management

- Zero Waste Campus Model Project (2015-16). This was undertaken as a part of UGC's CPE (Extension Activity) Programme with the objective of creating a model that is environmentally sustainable, economically viable and socially meaningful. The thrust was on segregating waste at source- sorting dry waste and sending it for recycling; composting wet waste and proper disposal of e – waste. The students of environmental club developed two compost pits behind the commerce building for collecting organic waste, especially dried fallen leaves and converting it into manure to be used during tree plantation.

- E-Waste Awareness Campaign and Collection Drive since 2012: E-waste is hazardous to the environment and health of people and it needs to be recycled and disposed in appropriate ways. Every year an awareness campaign and collection drive is organized by the NSS, environmental club students. A large quantity of e-waste is collected and sent off for further recycling and appropriate disposal.

- Cleanliness drives: whole the year the drives were organized by NSS, Environmental club

- 'Say No to Plastics' Campaigns: Efforts are underway to reduce the use of plastic bags and bottles on campus. Volunteers of 'NSS, Environmental club ' are working towards a plastic free campus. The campaign is a part of this effort.

Handling Hazardous Waste

- Liquid waste generated from Biotechnology and Chemistry laboratories is diluted with water and then discharged.
- Efforts have been made to make college /departmental Fests fests eco friendly. A list of suggestions are put up on notice boards and distributed to all the fest heads. The volunteers appeal to all the departments to follow certain guidelines in 'reducing waste' and promoting 'Eco-friendly practices'. Every departmental

fest has an observer. This has made significant difference and students are learning to be eco literate.

- Activities for raising environmental awareness
- Screening of Environmental Films and Documentaries
- Environmental Exercises and Games
- Street Plays and Poster Exhibition
- Human Rights Week: "Environment and Human Rights"

7.2 Innovations

7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the college.

It is the endeavour of the institution authorities in general and the IQAC in particular to constantly innovate in every academic, curricular and administrative sphere of the institution in order to achieve all-round excellence.

The following innovations introduced during the last four years which have created a positive impact on the functioning of the institution:

Infrastructure

The infrastructural facilities of the college are second to none in the region. In the last four years, new smart class-rooms, state-of-the-art science and computer laboratories, language labs, A-V Rooms, Seminar Hall, fully renovated AC Auditorium, AC Reading Room in the library, remote controlled concealed Wi-Fi LCD Projectors have been added to augment the teaching-learning resources.

Upgradation of Information & Communication Technology

- The entire campus has been converted into a Wi-Fi Zone.
- All major facilities and departments are connected through EPBAX.
- Internet labs have been added to facilitate routine academic activity and research.
- E-Kiosks have been installed

Website Upgradation

The college website is an indispensable source of information for both the stakeholders and the general public. It has been fully revamped with new user friendly features. Entire information about the college related to all areas — Academic, Curricular, Administration — can be accessed online.

Creation of College Information Management System (CIMS)

The college has developed CIMS (College Information Management System), which is an ERP based software developed in consultation with the needs of the stakeholders. Through CIMS students can access their examination results, assignment scores, attendance details and other academic information directly on their computers or mobile phone. Faculty

members have the facility to upload details of their activities and duties during the session and then retrieve the same in a desired format.

Placement Cell

Keeping in view the growing needs of the students and the changes in career trends, the college has reinforced the existing Placement Cell to make it in sync with the requirements of the corporate sector during the last four years. Major Corporate Giants have shown keen interest and there have been a record number of placements in recent years.

Career Guidance Cell

The CGC of the college plays a vital role in providing guidance, counseling, training in soft-skills and information regarding career choices to the students by organizing seminars, lectures by experts, training programs and workshops especially in Personality Development, Communication Skills and Career Options. The CGC also runs specialized courses in Tally and Medical Sales Representative.

Spoken Tutorials

Ushering in the new technology based era, the college provides for its students Spoken Tutorials in collaboration with IIT Mumbai and e-content in collaboration with Consortium of Educational Communication.

Self sufficiency in Power

Considering the fact that power is one of the most essential resources for the functioning of the institution, the college has installed the following facilities:

- 220 KVA Power Sub-Station
- 332 KVA Captive Power Plant for Backups
- Capacitor Bank
- Dedicated Panels for Power Distribution to Different Blocks
- On-line UPS for all the computers, KT, EPABX Systems.

Zero Water Wastage Campus

Educational Institutions need to set a trend globally regarding water-saving measures. The college has taken a pledge to save water. Consequently, the college campus has been turned into a Zero Water Wastage Campus.

Zero Waste Campus (Vermi-composting Project)

Vermicomposting is the science of transforming organic waste into highly useful manure with the help of earthworms. It is one of the best options available for the treatment of organic rich solid waste. With the aim of making the institution a 'Zero Waste Campus", a functional vermi-composting system, comprising of two units, has been constructed. Canteen Waste and garden Waste is used as raw material in the composting units which turns it into an excellent organic fertilizer. The end product so obtained is then used as an additive in the campus gardens to improve the soil fertility for better growth of plants.

E-Kiosks

Two E-Kiosks have been installed in the college library which are equipped with Online Public Access Catalogue (OPAC). They are Wi-Fi enabled with a built-in facility to access the internet. Students and faculty can search and locate books online, browse the internet and access e-resources through it.

Earn While You Learn Scheme

The Higher Education Department of Haryana introduced the Scheme of "Earn While You Learn" for Govt. and Aided Private Colleges in 2001. Since then this novel scheme has been adopted by the institution whereby the students are employed for various college jobs in laboratories, libraries and administrative office. This scheme was started by the college for the benefit of needy students to earn while learning so that they can continue the studies on their own. This scheme gives an opportunity to develop the spirit of work culture and confidence amongst the students. In the last four years a number of students have been benefitted by this scheme.

Online-Admission Process

From the current session 2016-17, the college has ushered into a new era of online admissions. The Computer Science Dept. of the college has set up a special cell to facilitate the online feeding of admission forms which saves time, provides accuracy and creates the students' information database in the beginning of the session thereby facilitating creation of other relevant databases.

7.3 Best Practices

7.3.1 Elaborate on any two best practices which have contributed to the achievement of the Institutional Objectives and/or contributed to the Quality improvement of the core activities of the college.

Best Practice-I

Development of College Information Management System (CIMS)

1. Title of the Practice

The title should capture the keywords that describe the Practice.

"Development of College Information Management System (CIMS)"

URL: app.gtechinfo.com/sdcollege

2. Goal

Describe the aim of the practice followed by the institution. Mention the underlying principles or concepts in about 100 words.

Information at the click of a mouse is the success *mantra* of any enterprise today. Consequently, the college embarked upon an ambitious plan to herald into a new era of online paperless working whereby all the stakeholders — students, teachers and alumni — could be provided with easy access to online information related to each and every aspect of the institution which could be retrieved on any device — laptop, desktop, smart-phone — in the desired format with specific parameters. Since huge amount of information in the form of documents is generated in an institution of higher education, record keeping and maintenance itself becomes a daunting task. The aim of the practice is to make information available 24 x 7 to the stakeholders.

3. The Context

Describe any particular contextual features or challenging issues that have had to be addressed in designing and implementing the Practice in about 150 words.

The market is flooded with a number of ERP Software specially designed to cater to the needs of HEIs. Not only do these come at a hefty price and equally expensive cost of regular Upgradation and Maintenance; they fail to address the unique needs of the institution and can only be tailor-made to a certain extent.

The biggest challenge in itself was to design a tailor-made Information Management System from scratch. The entire concept was divided into seven stages:

- Visualization & Classification of Information Areas
- Designing of Modules
- Deciding on parameters and sub-parameters for each module
- Testing Window of Modules
- Preliminary Implementation
- Feedback
- Final Implementation

Since the institution decided to upload virtually *all* information related to almost all aspects of the institution — academic, administrative, cultural and curricular on the CIMS, the following challenging issues were faced:

1. To retrieve, organize and upload information related to last five years.
2. Provide log in facility to almost 3000 users
3. Invite feedback from stakeholders and implement frequent changes regularly
4. Motivate stakeholders to upload information regularly

To provide online access to CIMS, the entire campus was provided with hi-speed broadband Wi-Fi facility from two major ISPs — Airtel and BSNL. Each and every module was tested for accuracy and format of retrieved data before withdrawing the beta-mode.

4. The Practice

Describe the Practice and its implementation in about 400 words. Include anything about this practice that may be unique in the Indian higher education. Please also identify constraints or limitations, if any.

The College Information Management System, CIMS for short, is an online application visualized, designed, tested and implemented exclusively by the Principal and teachers of the institution with professional software support from G Tech Informatics. Currently, except for a few professional/technical institutes, this facility is not available with any other HEI in the region.

The vision and aim behind this practice is to provide (i) User Friendly, (ii) User Urgent and (iii) User Relevant information at the click of a mouse. For this purpose, the college *Website Upgradation Committee*, headed by Dr. Sonika Sethi as Convener was chosen to take up this challenging project. The various stages of implementation of the project can be described as follows:

- **Needs Assessment**
  - Informal Meetings with selected target groups of the stakeholders
  - Brainstorming Sessions with key-functionaries of the institution
  - Brainstorming Sessions with the software developer
- **Defining the Objective**
  - Identifying User Modules with different parameters and sub-parameters
  - Identifying Information Retrieval Mode
- **Preliminary Implementation**
  - The application was launched in beta-mode with facility of access to selected users.
  - Feedback Sessions were conducted and appropriate changes made by plugging loopholes.
  - Gradually the user database was widened to include all stakeholders.
- **Feedback**
  - Exhaustive feedback was obtained from the stakeholders before final implementation
- **Final Implementation**
  - The practice was finally launched
- **Continuous Monitoring and Upgradation**
  - Information is uploaded, updated and monitored on a regular basis.

- Regular feedback is obtained from expert and heavy users.

- **Annual Upgradation**
  - It is proposed to monitor the efficacy of the application on a regular basis by obtaining user-feedback and to upgrade the application annually in accordance with the changes in the needs of the users.

The *Website Upgradation Committee* spent almost 2000 Man Hours before the final launch of the CIMS.

Following is a bird's eye-view of the information/facility available for the users:

S.No	Student	Faculty	Admin
1.	University Result	Academic Activity • Seminar • FDP • Conference • Symposia • Workshop	All Information uploaded by the users
2.	Internal assessment	Achievements • Awards • Blood Donation • Judge • Qualification Enhancement	Default Reports
3.	Attendance Details	Activities Organized by Associations and Departments	Flexible Reports
4.	Question Bank	Co-Curricular Activities • Cultural • Sports • NCC • NSS	Facility to Edit
5.	Notes	Creative Publications • Articles • Book-Review • Poems • Stories • Others	Facility to make multiple Admins with flexible powers
6.	Query	Online Grievance Redressal	
7.	Syllabus	Membership of Other Committees • Board of Journals • Educational Institutes • Professional Associations	

		• Teachers' Associations • University Bodies • Others	
8.	Online Admission Form Submission	Publications • Books • Proceedings	
9.		Research Papers	
10.		Research Projects	
11.		Resource Person	
12.		Standing Committees • Convener • Co-Convener • Member	
13.		University & Other Duties	
14.		Time-Table	
15.		Attendance Register	
16.		Students' Information	
17.		Students' Results	
18.		All types of Reports including Flexible Reports	
19.		Internal Assessment	
20.		University Results	

The following modules/information is proposed to be added to CIMS shortly:

- Finance & Budgeting
- Working of the Administrative Office
- Salary Component of the Staff
- Adding Non-Teaching Staff as Users

5. Evidence of Success

Provide evidence of success such as performance against targets and benchmarks and review results. What do these results indicate? Describe in about 200 words.

Despite the initial hiccups and bottlenecks, CIMS has been extremely successful and has been welcomed by all the stakeholders. Stakeholders have been now using it for over a year. It provides comprehensive information online which can be saved either as a PDF or EXCEL file and then printed into hard copies, if required.

Evidence of Success:

- Student Feedback has revealed that they use CIMS frequently. Their visits to the college office have reduced considerably.

- Students check their Internal Assessment, Class-Test, Assignment marks through CIMS and approach teachers in case of any grievance.

- They have specially welcomed the *Notes* and *Question Bank* module which they have found to be very useful academically.

- Faculty Members have used CIMS extensively for the following activities:
  - Compilation of data/information for the Annual Report
  - Cataloguing Personal Achievements
  - Computing University Results
  - Filling the Self-Study Report (SSR) for Cycle-III of Accreditation

These results indicate:

- Stakeholders are not averse to the idea of retrieving information online

- They prefer to access information online

- Most of the information is required in soft-copy format and is to be used across different platforms
- CIMS provides seamless transfer of information across different platforms

- CIMS complements and supplements the information given on the college website

- In future, stakeholders expect more information to be available online

It would not be an exaggeration to say that CIMS has exceeded the expectations of the institution. It was initially planned and designed only for a few specific activities but encouraged by the response and the accuracy and efficacy that it provided, its scope was widened to include almost all aspects of working of the institution.

6. Problems Encountered and Resources Required

Please identify the problems encountered and resources (Financial, Human and other) required to implement the practice in about 150 words.

The working environment of any HEI is dynamic, multi-dimensional and encompasses a variety of information which is not located at one place. This information has a number of challenging aspects:

- New information is generated on daily, monthly and yearly basis
- University Rules & Regulations, Syllabi etc. keep changing
- Some information is not organized, is incomplete, is not accurate and is not available

Due to these unique and other factors, the committee encountered the following problems:

- Uploading vast data with accuracy and precision in a time-bound manner

- Convincing stakeholders to upload information regularly
- Making the software development team understand the unique nature of information specific to a HEI
- Incorporating stakeholders' feedback on module Upgradation and changes in a seamless manner

Although there were no problems regarding Human and Financial Resources, it was a challenge to provide a fully functional high speed WI-FI environment to the stakeholders.

7. Notes (Optional)

Any other information that may be relevant and important to the reader for adopting/ implementing the Best Practice in their institution (about 150 words)

The key point to be borne in mind is that despite the fact that all HEIs function in a similar manner, no two HEIs are alike. Hence, it is very important that every HEI must identify its own needs and requirements before devising and designing an ERP system.

Best Practice-II

Development of Social Progress Index (SPI) of Students

1. Title of the Practice

The title should capture the keywords that describe the Practice.

Development of Social Progress Index (SPI) of Students

2. Goal

Describe the aim of the practice followed by the institution. Mention the underlying principles or concepts in about 100 words.

World research both at the corporate level and by other International agencies like UNDP suggests that most of the youth from developing countries lag behind in soft skills, especially inter-personal and communication skills. The reason behind this is that professional as well as HEIs lay maximum emphasis on technical knowledge and academic input. Personality enhancement efforts are mostly on paper and do not get translated into reality. The result is that pass-outs from even some of the institutes of eminence are not able to get employment and even if they do, they find it difficult to retain. The goal of our institution is to motivate and provide ample opportunities as well as a sound platform to students where they can develop and enhance their personality by participating in a variety of activities which in turn will not only boost their confidence but also prepare them for the daunting challenges presented to them by the society, thereby, improving the Social Progress Index of the nation.

3. The Context

Describe any particular contextual features or challenging issues that have had to be addressed in designing and implementing the Practice in about 150 words.

Most of the students, especially the academically-oriented ones generally consider co-curricular activities a mere waste of time. Motivating such students to come out of their cocoons and participate in activities like NCC, NSS, Youth Festival and other similar activities is not an easy task. Although complete information of all such activities is provided on the college website, prospectus and notice boards, students do not take a *suo motu* initiative to partake of such opportunities.

Besides the above, the following issues also pose as a hindrance.

- A big challenge for the college has been to provide adequate space, infrastructure, paraphernalia, finances and liaison with external agencies.
- To incorporate these activities within the academic calendar and the constrained time frame of semester system
- To see that a coterie does not dominate the co-curricular arena, thereby, depriving other students of such opportunities
    - To provide suitable remedial academic inputs to students who participate actively
    - To ensure maximum participation of students from all streams and all strata

4. The Practice

Describe the Practice and its implementation in about 400 words. Include anything about this practice that may be unique in the Indian higher education. Please also identify constraints or limitations, if any.

The Visionaries and educationists who conceptualized our institution always bore in mind the need to create better individuals rather than churning out better employable students who should be an asset to the society. As such right from the rehabilitation of the college at Ambala Cantt in 1948, adequate stress was laid upon participation in co-curricular activities and sports as a result a number of International and National sports persons were produced by the institution. Continuing with this healthy practice, the college as on date has the following platforms where the latent talent of the students is brought forth:

1. Sports
2. Youth Festival (Zonal, Inter-Zonal, Inter-Varsity & National)
3. Talent Show
4. National Service Scheme (NSS)
5. National Cadet Corps (NCC— Boys & Girls)
6. Women Cell
7. Legal Literacy Cell
8. Young Speakers' Club & Creative Students' Association

9. Youth Red Cross
10. Career Guidance Cell
11. Placement Cell
12. Environment Awareness Club
13. All Subject Associations

From the beginning of the session, during admission days special counters are set up to inform and motivate students about the relevance of curricular activities and complete procedure of joining various platforms is explained. Thereafter, an Orientation Programme is organized for the first timers to acquaint them with different aspects of college life with special emphasis on the importance of enhancing their personality through participation in co-curricular activities. After this, the Association In-charges bring out circulars and notices to inform about the activities and also invite students to join as office bearers and executive members of various clubs and associations.
As a result there is active participation by the students throughout the year in multifarious activities. For the last more than five decades students of our college have been participating actively and bringing laurels to the institution in almost every activity.

A unique feature of this practice is that the college has been able to achieve unparalleled participation and unprecedented success in each and every field of curricular activity. It will be noticed that most of the HEIs excel in one or two areas which becomes their stronghold. Mostly it is an area which involves a few students and requires less effort. However, our institution has the unique distinction of huge participation and a record number of prizes to its credit. There is not a single association, club or mainstream platform (like NCC, NSS etc.) which remains inactive or in which new heights have not been scaled by the students.

It goes to the credit of the Head of the institution and the staff involved that enhancement in SPI has not only been sustained but is also creating new benchmarks every year.

5. Evidence of Success

Provide evidence of success such as performance against targets and benchmarks and review results. What do these results indicate? Describe in about 200 words.

Continuous and strenuous efforts by the institution to motivate students to participate in co-curricular activities and sports have yielded rich dividends, both in terms of participation and achievements. Evidence of success in this field can be summed as follows:

Participation

- **697** students participated in **18** different sports and games from 2011 to 2016.
- **1092** students participated in **31** items of Zonal & Inter-Zonal Youth Festivals from 2012 to 2017.
- As many as **11360** students participated in different co-curricular activities organized by NCC, NSS, associations, clubs and societies during 2012-2016.
- Every year **106** cadets and more than **300** NSS Volunteers are enrolled in 02 NCC and 03 NSS Units for various activities.

Achievements

- The college has won the **Overall Trophy for Best Performance** in the Zonal Youth Festival a record number of **38** times.
- The college won **159 prizes,** excluding individual prizes, in the Zonal & Inter-Zonal Youth Festivals from 2012 to 2017.
- 44 students won **50 prizes** and distinctions in various curricular competitions (District, State, Zonal, Inter- varsity etc.) from 2011 to 2017.
- Our sportspersons won **10 Medals** — Gold, Silver & Bronze — and 05 first three positions in various National Level Championships from 2011 to 2016.
- At the State and All-India Varsity Level, our sportspersons won **18 Medals and Prizes** in various events from 2011 to 2016.
- **53 Prizes and Medals** were won by our sportspersons in University level championships from 2011 to 2016.

Outstanding Achievers

- Cdt Vandana made us proud by participating in the R.D. Parade. She also presented the Guard of Honour to the Honourable Prime Minister of India Sh. Narendra Modi.

- Cadet Sachin Bajwa participated in the Republic Day Parade at Rajpath, Delhi and was awarded by the His Excellency Sh. Jaganath Pahadia, Governor of Haryana.

- NSS volunteers: Mr. Sachin (B.A.III) and Mr. Lokesh participated in Rajpath Parade New Delhi.

- SUO Sandeep Kumar Yadav 1st in unarmed combat in Youth Exchange Programme to Russia held from 27 July-27 Aug 2012.

The above results are indicative of the fact that the efforts of the college in improving the SPI of the students have indeed borne fruit. The number of students participating in sports, NCC, NSS, Cultural and other Co-curricular events has steadily increased over the years, proving that the students are becoming more and more aware about the increased importance of such programs.

6. Problems Encountered and Resources Required

Please identify the problems encountered and resources (Financial, Human and other) required to implement the practice in about 150 words.

Curricular activities require special infrastructure, logistics, continuous up-gradation and a large amount of finance. The faculty and support staff needs to be specially motivated and trained in these specialized areas. As already stated, it is a big challenge to work under a time-constrained environment. Motivation of students also poses a big hurdle.

Problems Encountered

- Need for generation of new and innovative concepts to involve more and more students.
- Striking a balance between academics and curricular activities
- Arrangements for outstation participation
- Convincing parents of students who are academically brilliant and

Resources Required

- Tailor-made rooms for different types of activities
- Activity-specific equipment and accessories
- Maintenance of equipment
- Finances involved

The working environment of any HEI is dynamic, multi-dimensional and encompasses a variety of information which is not located at one place. This information has a number of challenging aspects:

- New information is generated on daily, monthly and yearly basis
- University Rules & Regulations, Syllabi etc. keep changing
- Some information is not organized, is incomplete, is not accurate and is not available

Due to these unique and other factors, the committee encountered the following problems:

- Uploading vast data with accuracy and precision in a time-bound manner
- Convincing stakeholders to upload information regularly
- Making the software development team understand the unique nature of information specific to a HEI
- Incorporating stakeholders' feedback on module Upgradation and changes in a seamless manner

Although there were no problems regarding Human and Financial Resources, it was a challenge to provide a fully functional high speed WI-FI environment to the stakeholders.

7. Notes (Optional)

Any other information that may be relevant and important to the reader for adopting/ implementing the Best Practice in their institution (about 150 words)

When a student takes admission in an educational institution, the onus of developing his overall personality and exploiting his/her latent assets or abilities, lies with the institution. It becomes essential for the HEIs to provide a conducive environment as well as facilities to attract the students to participate actively in different kinds of co-curricular activities. Hence, the

first step in this direction is to identify, sensitize and train the faculty members who can in turn identify, encourage and motivate the students to come forward and indulge in pursuits other than knowledge acquisition.

The institution needs to develop as well as continuously upgrade its infrastructural and activity specific facilities. The goal should not be to win prizes by focusing on a few talented students but on maximum participation so that students from different background are benefitted in the long run. The annual budgetry planning of the college should liberally provide for spending on various facilities and incentives for students in order to provide a fillip to co-curricular activities.

Part-C
Post-accreditation Initiatives

Accreditation Cycle-2 of the institution was carried out in August 2011. The Peer Team in its report had suggested diverse quality sustenance measures for the overall development of the college. Based on these recommendations and even otherwise being sensitive to the fact that quality improvement, quality sustenance and quality enhancement are the cornerstones of any HEI in the rapidly changing dynamic teaching-learning environment, the institution embarked upon an ambitious plan to augment its quality benchmarks and make a paradigm shift in quality enhancement initiatives.

Consequently, the already functional IQAC was revamped as per NAAC and UGC Guidelines. While the college had already been putting in a lot of efforts to strengthen its weak areas like ICT Resources and Equipment; participation of faculty in research, a fully functional website; creation of different DBMSs, it was decided to take up each of these areas as an individual project which should go through the following five stages:

- Survey
- Analysis
- Planning
- Execution
- Evaluation

Formal brainstorming sessions were conducted within the IQAC and both the teaching and non-teaching staff was apprised and motivated to take upon itself the challenge of ensuring quality in every field of activity.

The positive impact in quality improvement, quality sustenance and quality enhancement which has resulted from the above exercise in different aspects of the institution is detailed below:

❖ Students' Placements

As many as 376 students were placed in on and off-campus placement drives in top-notch companies during the last five years.

Students' Placements during the last five years

2011-12	2012-13	2013-14	2014-15	2015-16
36	**40**	**10**	**58**	**232**

❖ Introduction of New Courses

The employability scenario is changing fast. Traditional Courses, while still in demand, are losing sheen. Students prefer skill-based, job-oriented, innovative

courses which can cater to their changing needs. This enhances the quality component of academics and augments the financial resources of the institution. The college has started a variety of new courses in the last four years:

Certificate/Diploma/Advanced Diploma Course

- Marketing
- International Trade Management
- Office Management and Secretarial Practice
- Computer Maintenance
- Computer Applications
- Cosmetology
- Functional English
- Web Designing

Skill Development Courses

- Tally
- Personality Development
- Medical Sales Representative
  (under Pradhan Mantri Kaushal Vikas Yojna)
- M.Com-IT
- B.Voc (Software Dev.)
- B.Voc (BPO)
- Fibre Optics

Other Courses

- Spoken English
- Soft Skills
- Human Rights Education
- Moral & Ethical Education

❖ Enhancement of ICT Resources

ICT Resources have come to become the lifeline of HEIs. Seamless Internet Connectivity; easy availability of Computing Systems; E-Resources, Smart Classrooms and Group Projection Systems are today considered to be mandatory for any institution that cares for quality in its teaching-learning process.

In the last four years, the college has endeavoured to provide the faculty and the students a fully functional tech-savvy, ICT based teaching-learning environment which not only facilitates the teaching-learning process but also enhances the quality component.

The following radical changes have taken place in this direction in the last four years:

- 04 Smart Class-Rooms with Wi-Fi enabled LCD Projection System
- Fully Wi-Fi Campus with broadband facility from two reputed ISPs to provide uninterrupted seamless connectivity
- Internet Lab for faculty & Students
- All Departmental Rooms equipped with Desktop; Printer & Internet
- Installation of E-kiosks

❖ Research by Faculty & Students

In the last four years, the quality of research has improved considerably. Both the faculty and the students have been motivated to take fresh initiatives. Both quantity and quality enhancement in research climate can be gauged from the following achievements in the field of research:

- **454** Research Papers have been published by the faculty in various journals in the last four years of which 379 have been published in peer reviewed journals; 134 are listed in International Database SCOPUS; 04 are published in Journals with 'H' Index ranging from 4.8 to 2.0.
- **07** Minor and **02** Major Research Projects have been undertaken by the faculty, while **11** Minor Research Projects have been approved in 2015-16.
- **87** BSR (Basic Science Research) Projects have been completed by the students.
- The institute has MoU with **16** companies for establishing Institute-Industry Interface.
- **11** inter-disciplinary Conferences, Seminars and Workshops have been conducted by various departments.
- 02 Research studies/surveys were carried out by the faculty benefiting the community

In addition to the above, the institution provides excellent state-of-the-art laboratories equipped with high-quality instruments for research; organizes specific extension-lectures, seminars, workshops, conferences to propagate scientific temper among the staff and students; visits are organized to factories and fields for the students; complete and free access is provided to INFLIBNET, Reference Section, Print Journals and E-Journals.

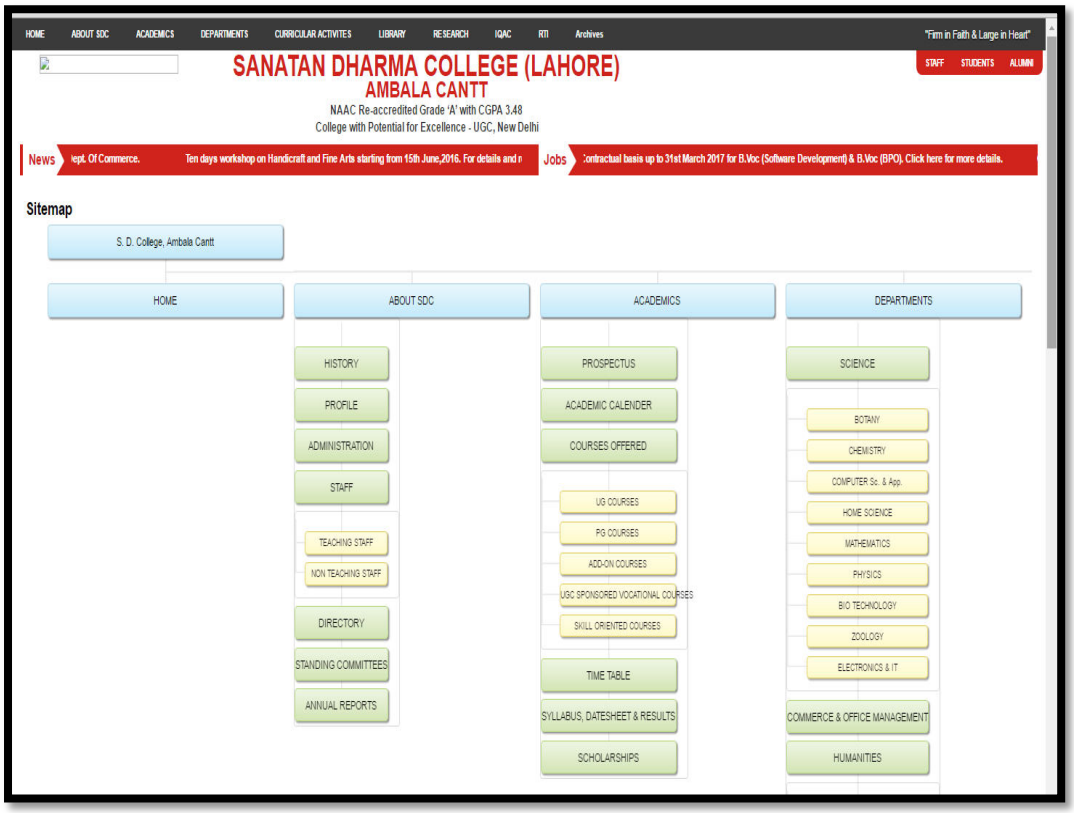
❖ Fully Functional Website

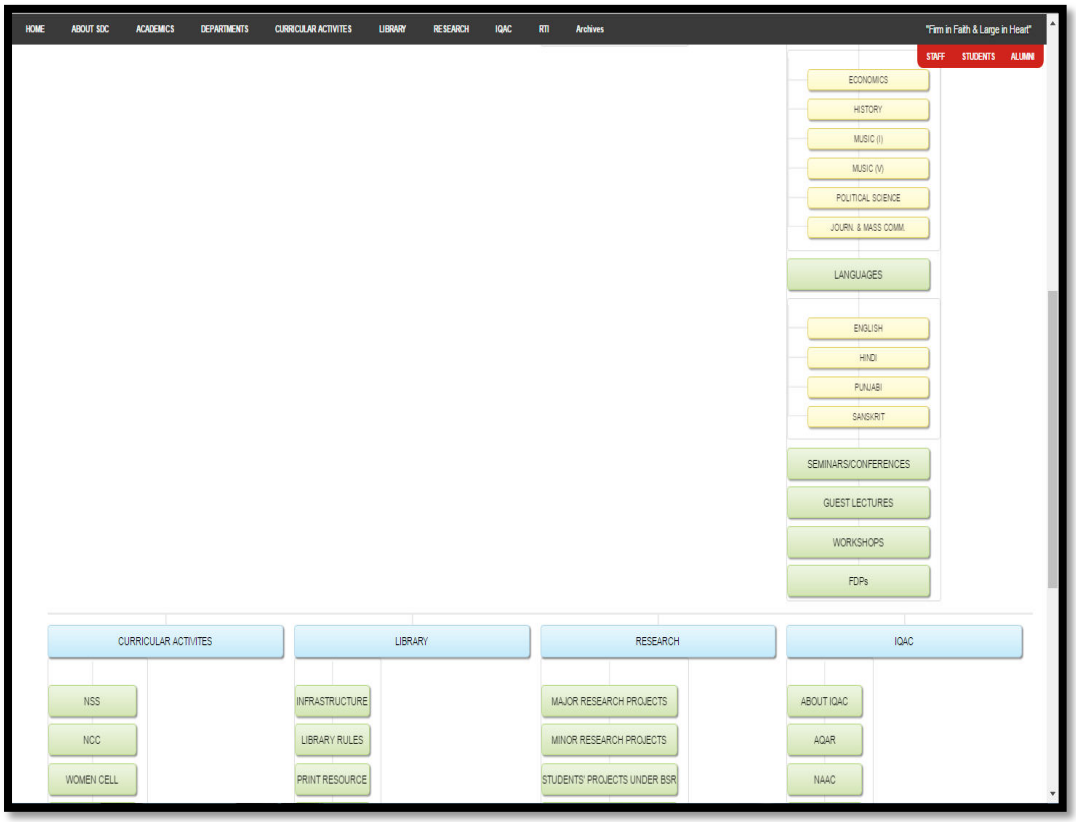
Institutional Websites play a vital role in quality enhancement by providing a 24x7 interface between the stakeholders and the public. A committee was specially constituted for the designing and upgradation of the college website regularly. As on date, the website is fully functional, is updated regularly and can be accessed with all its features on any computing device. Its main user-friendly features are:

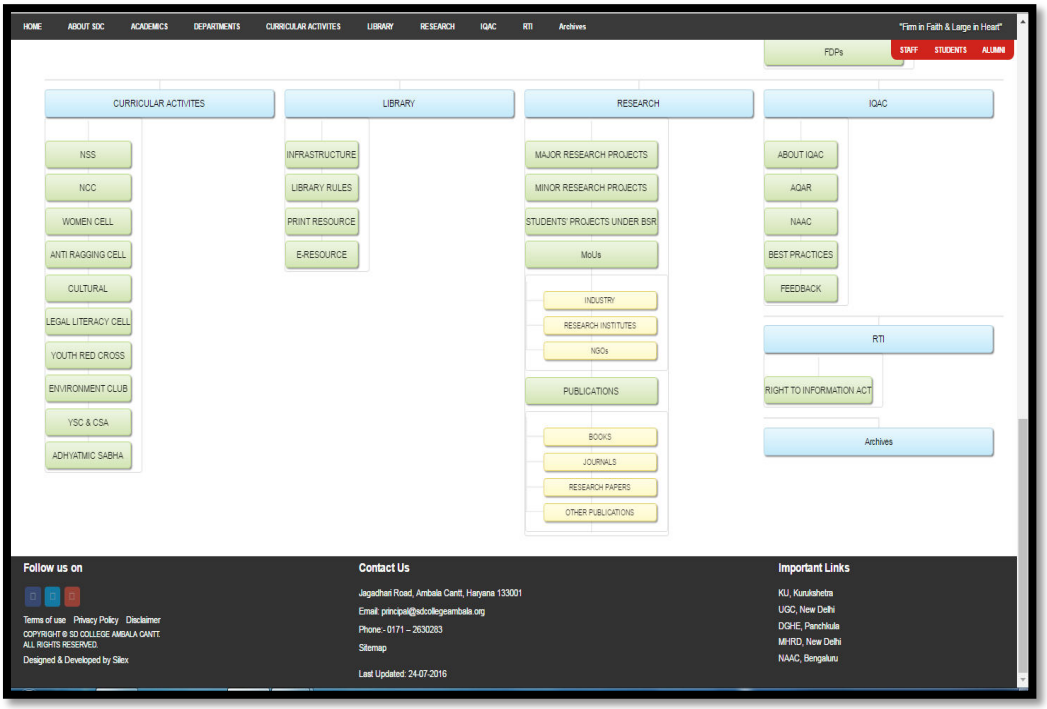
- Complete and up to date information about the college — its background, history, management, vision and mission.
- IQAC Window
- Courses of Study, Syllabi, Admissions
- Infrastructural Facilities

The following screenshot gives a bird's eye-view of the information uploaded on

the college website:







❖ College Information Management System (CIMS)

The Website Upgradation Committee took upon itself the challenge of ushering the college into a new era of Internet based paperless working which should not only save time but also help users to retrieve important information effortlessly. With this objective in mind, the committee has developed College Information Management System (CIMS), which is an ERP based software developed in consultation with the needs of the stakeholders. Through CIMS students can access their examination results, assignment scores, attendance details and other academic information directly on their computers or mobile phone. Faculty members and students can upload and then retrieve information in a desired format related to almost every field of activity concerning them.

A unique feature of CIMS which has resulted in considerable quality enhancement of the learning process is the facility of uploading of study material in the form of Notes and Question Bank which can be directly accessed by the students 24x7 even on their smart phones.

❖ Institutional Social Responsibility

Education today is incomplete if it only focuses on enhancing the academic growth of the youth. Holistic education must prepare thinking and feeling human beings who are not only well versed with critical soft-skills but are also outgoing, versatile, team-performers and socially active. These qualities can be imbibed through participation in a variety of co-curricular activities spread over diverse fields like NCC, NSS, Music, Dance, Dramatics, Debates, Declamations, etc.

The institution has the unique distinction of having one of the best facilities for the development of talent, social values, and sensitization to social issues and

wholesome entertainment of students. The following fully functional facilities have shown remarkable growth in the last four years as detailed below:

- NCC
- NSS & Voluntary Blood Donation
- Cultural Affairs Dept.
- Women Cell
- Legal Literacy Cell
- Youth Red-Cross Society
- Creative Students' Association & Young Speakers' Club
- All Subject Associations

The activities and competitions organized by the above facilities help in grooming the students' personality by inculcating in them human values, competitive spirit and exposing them to real life social situations to face the challenges of post-college life. Details of the activities and achievements of these facilities, given elsewhere in the SSR, are proof enough of their efficacy.

❖ Infrastructural Enhancement

During the last four years there has been a comprehensive enhancement in the infrastructural facilities of the college. Keeping in view the teaching-learning needs of the stakeholders, the institution has added the following infrastructure:

- The existing auditorium was renovated and converted into a fully air-conditioned one with permanently installed latest audio and projection facilities.
- Keeping in view the growing demand of the commerce stream, a new seminar-room with audio-video facilities has been constructed adjacent to the Commerce Dept.
- Smart Classrooms
- E-Kiosks
- Bio-Sciences Laboratories rebuilt and equipped with latest instruments and equipment.
- Air-conditioned Reading Room in the Library
- Self-Sufficiency in power by installing a dedicated Power Transformer.
- New, spacious parking facility for staff and students
- The Girls' Common Room has been revamped with student friendly facilities including LCD, Indoor Games, Magazine Section and Sanitary Napkin Vending Machine & Incinerator.
- The entire administrative office has been renovated with individual cabins ushering in an era of open-office system with air-conditioning system.
- A number of new wash-rooms have been constructed for the students and old ones have been renovated.
- The entire campus has been beautified through landscaping and relaying of lawns.
- 14 new RO Systems have been installed

❖ Faculty Development

The institution firmly believes that 'Sharpening the Saw' is the key to excellence. It is therefore ever eager to motivate the faculty to participate in a

variety of FDPs and other related Training Programmes to hone their skills. The following table enumerates in detail the participation of the faculty in Academic Staff Development Programmes:

Academic Staff Development Programmes	Number of faculty
Refresher courses	19
HRD programmes	08
Orientation programmes	14
Staff training conducted by the university	28
Staff training conducted by other	27
Summer / winter schools, workshops, etc.	34

❖ Strengthening of Student Feedback Mechanism

Regular mid-term and end-term feedback is taken from students about the functioning of the institution in different areas including- Academics, Infrastructure, Library facilities, Laboratories and Administration. This feedback helps in improving the quality measures of the institution as well as providing a platform to the students to raise their issues and concerns. Although, the system of taking feedback is not new to the institution but lately the process has been made available through the College Information Management System. Also a provision of raising their grievances has been provided to the students through CIMS where they can upload and communicate their concerns related to college administration or staff directly to the Principal via e-mail.

Part-D
Evaluative Report of the Departments

List of Departments

1.	Department of Biotechnology
2.	Department of Botany
3.	Department of Chemistry
4.	Department of Commerce
5.	Department of Computer Science & Applications
6.	Department of Economics
7.	Department of Electronics & IT
8.	Department of English
9.	Department of Hindi
10.	Department of History
11.	Department of Home Science
12.	Department of Mass Communication
13.	Department of Mathematics
14.	Department of Music(I)
15.	Department of Music(V)
16.	Department of Physical Education
17.	Department of Physics
18.	Department of Political Science
19.	Department of Punjabi
20.	Department of Sanskrit
21.	Department of Zoology

Department of Biotechnology

1. **Name of the department:** Department of Biotechnology

2. **Year of Establishment:** 2008

3. **Names of Programmes / Courses offered:**
   - UG Programme: B.Sc. (Biotechnology)

4. **Names of Interdisciplinary courses and the departments/units involved:**
   NIL

5. **Annual/ semester/choice based credit system (programme wise):** Semester

6. **Participation of the department in the courses offered by other departments:**
   Environment Science to students of UG-I

7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** NIL

8. **Details of courses/programmes discontinued (if any) with reasons:**
   NIL

9. **Number of teaching posts:**

Teaching Post	Sanctioned	Filled
Associate Professors	Nil	Nil
Asst. Professors	Nil	Nil
Asst. Professor (Temporary)	**02**	**02**

10. **Faculty profile with name, qualification, designation, specialization, D.Sc./ D.Litt./Ph.D. / M. Phil. Etc.,)**

Name	Qualification	Designation	Specialization	Exp(in Years)
Dr. Meenu Walia	M.Sc., Ph.D.	Asst. Prof.	Microbial Biotechnology	5
Ms. Rekhani Jyoti Pal	M.Sc.	Asst. Prof.	Molecular Biology	4

11. **List of senior visiting faculty:** NIL

12. **Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:** 100%

13. **Student –Teacher Ratio (programme wise):** 20:1

14. **Number of academic support staff (technical) and administrative staff;**

sanctioned and filled:

Laboratory Attendant: 01

15. **Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ Mphil / PG.**
Ph.D. – 01 M.Sc. – 01

16. **Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:** NIL

17. **Departmental projects funded by DST – FIST; UGC, DBT, ICSSR, etc. and total grants received:** NIL

18. **Research Centre /facility recognized by the University:** NIL

19. **Publications:**

a) Publication per faculty (2011-16)

*** Number of papers published in peer reviewed journals (national / International) by faculty and students:**

Dr. Meenu Walia – 05

* **Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc.)** 04

List of publications: Dr. Meenu Walia

S.No	Publications
1	Gera, R., **Walia, M.**, Kumar, V. and Goyal, S.2012. Microbial diversity of soils under different cropping systems in semi-arid zones of Haryana. *Crop Research.* 44(3): 447-455. **(ISSN 0970-4884 NAAS RATING 2.87)**
2	**Walia, M.,**Batra, N. and Goyal, S. 2014. Isolation and characterization of plant growth promoting rhizobacteria and their application in plant growth. *Legume Research.* 37(1): 72-78. **(ISSN 0250-5371 NAAS RATING 6.15)**
3	Gera, R., Bhatia, R., Kumar, V., Kayasth, M., **Walia, M.,** Kaur, H. and Goyal, S. 2014. Diversity and antibacterial activity of actinobacteria isolated from cotton fields in semi arid zones of Haryana. *Journal of Cotton Research and Development.*28 (1): 129-134. **(ISSN 0972-8619 NAAS RATING 3.41)**
4	Gera, R., Kumar, V., Kayasth, M., **Walia, M.,** Singh, S. and Goyal, S. 2014. Exploring the potential of phosphate solubilizing diazotrophic *Pseudomonas*sp Db76 as plant growth promoter for *Bt*cotton. *Journal of Cotton Research and Development.*28 (2): 311-315. **(ISSN 0972-8619 NAAS RATING 3.41)**
5	Batra, M. and **Walia, M.** 2014. Production and characterization of alkaline protease from bacteria strains isolated from cotton field. *African journal of Microbial Research.* 8(7): 702-709. **(ISSN 1996-0808 NAAS RATING 4.0)**

* Monographs	**NIL**
* Chapter in Books	**NIL**
* Books Edited	**NIL**
* Books with ISBN/ISSN numbers with details of publishers	**NIL**
* Citation Index	**09**
* SNIP	**0.967(Avg.)**
* SJR	**0.143 (Avg.)**
* Impact factor	**0.219 (Avg.)**
* h-index	**02**

20. Areas of consultancy and income generated: NIL

21. Faculty as members in

a) National committees:

Life members of the Association of Microbiologist of India

b) International Committees: NIL

c) Editorial Boards: NIL

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme

All students completed short term research projects as per their curriculum requirements.

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies NIL

23. Awards / Recognitions received by faculty and students

S.No	Activity	Venue	Date	Award
1.	Inter College Quiz, Poster & Slogan writing competition	Guru Nanak Khalsa College, Yamuna Nagar	14Mar 2014	Consolation Prize (Poster making) IIIrd Prize (Quiz Competition)
2.	Inter District Science Exhibition sponsored by DHE, Haryana.	Govt. College, A/Cantt	3-4 Feb,2016	Ist prize (Botany Model)

24. List of eminent academicians and scientists / visitors to the department

- Dr. Dinesh Kumar, Principal Scientist, ICAR, New Delhi.
- Dr. Sarita Bhandari, Associate Professor, MLN College, Yamunanagar.
- Dr. Nidhan Singh, Assistant Professor, IB College, Panipat.
- Dr. Rajiv Kalsi, Associate Professor, MLN College, Yamunanagar.
- Dr. Rekha Sharma, Principal Scientist, NBAGR, Karnal.
- Prof. Anand Kumar Bacchawat, Biological Sciences, IISER, Mohali.
- Prof. Mukesh Thakkar, Forensic Sciences, Pbi. Univ., Patiala.

- Prof. K.K. Rishi, Zoology, Kurukshetra University, Kurukshetra.
- Prof. Malyavar, Zoology, Kurukshetra University, Kurukshetra.
- Prof. P.V. Bhartam, Biochemical Sciences, NIPER, Mohali.
- Prof. Sanjiv Gautam, Biotechnology, KUK

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National: NIL

b) International: NIL

26. Student profile programme/course wise:

Name of the Course/programme	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B. Sc. Biotech (2012-2015	9	9	3	6	77%
B. Sc. Biotech (2013-2016)	16	16	5	11	60-70%

*M = Male *F = Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other states
B. Sc.	100	---

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services,etc.

- Rohit Sharma (2013) Cleared ARS and CSIR-JRF NET, GATE. Research Scholar in an International Project of DBT and pursuing Ph. D. from MDU.

29. Student progression

Student progression	Against % enrolled
UG to PG	90%
PG to M.Phil.	NA
PG to Ph.D.	One
Ph.D. to Post-Doctoral	NA
Employed • Campus selection • Other than campus recruitment	5%
Entrepreneurship/Self-employment	5%

30. Details of Infrastructural facilities:

a) Library: Central library

1. Books-— More than 1300 titles and copies of books in Biological Sciences.
2. Journals— 04
3. Magazines— 05
4. Many e-books and e-journals on college INFLIBNET

b) Internet facilities for Staff & Students:
College has provided Wi-Fi facility to the staff and students.

c) Class rooms with ICT facility: 01

Laboratories:

- Department has a well equipped lab (pH meter, Compact Bench Top Cooling Micro Centrifuge Machine Spectrophotometer, Laminar Flow for culturing, Autoclave for Sterilization, Hot air oven, UV Trans-illuminator, Vertical Electrophoresis unit , Incubator cum Shaker).

- Lab is equipped with Smart Board and LCD projector

31. Number of students receiving financial assistance from college, university, government or other agencies

Session	2012-13		2014-15		2015-16	
Concession Type	No. of Students	Amt (Rs.)	No. of Students	Amt (Rs.)	No. of Students	Amt. (Rs.)
College	**4**	**2280**	**1**	**1388**	**6**	**9485**

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts.

- The department celebrates Green Fest every year which is a multi-activity programme consisting of activities like Quiz, AD-MAD, Poster making, Slogan Writing, Caption contest etc.
- Guest Lecture by Dr. Dinesh Kumar, Principal Scientist, ICAR, New Delhi on 03 September 2015 on the topic- 'Why 21st Century is for Biological Sciences'.
- One day workshop on "Phytodiversity and Plant taxonomy: Tools and Techniques" organized on 26 February 2016. The keynote speakers were Dr. Sarita Bhandari , Associate Professor, MLN College, Yamunanagar and Dr. Nidhan Singh, Assistant Professor, IB College, Panipat.
- The students are encouraged to participate in a number of Inter-college competitions related to their subject throughout the year. The students have won a number of prizes in these competitions in recent years.

33. Teaching methods adopted to improve student learning:

- **Chalk and Board**
- **Power point presentations**. To have interactive teaching, Power point presentation are used to make the students understand the topic easily and view the figures properly.
- **Audio visual presentation:** To make the students understand the various techniques and experimental methods, the faculty uses various audio visual resources available online.
- **Hands on Practice:** The faculty makes the students understand various theoretical concepts by giving demonstration in the lab so that they can have good visual concept of the topic.
- **Industrial Visit:** To make the students conversant with actual Lab environment and facilities available in various Research institutes/Industries, visits are arranged where they can have first-hand knowledge from the Researchers working there.
- **Project work:** All the students of Biotechnology take up short duration project work which help to develop research aptitude in them and also make them understand various practical problems.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities.

- The students are encouraged to take part in various social activities including NCC, NSS and other allied activities.
- The students of department take part in blood donations camps and inspire public to donate blood.
- Students regularly participate in various cleanliness drives and plantation activities organized by different departments of college.

35. SWOC analysis of the department and Future plans:

Strength

- Well equipped lab for undergraduate programme
- Well qualified staff.

Weakness

- Less Training programmes for students
- No Permanent Staff

Opportunities

- Inter departmental collaboration in research.
- In order to develop research aptitude in the students, research projects are be assigned to them.

Challenges

- Incorporating new experiments for training the students.

Future Plans

- Establishment of Plant tissue culture lab.
- To Strengthen the project work
- Introduce specific training workshops during winter/summer vacations.
- To organize interactive sessions for students with Experts in Biotechnology
- More industrial visits

Department of Botany

1. **Name of the Department:** Botany

2. **Year of Establishment:** 1972

3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):**
   - B.Sc. (Medical)
   - B.Sc. (Biotechnology)

4. **Names of Interdisciplinary courses and the departments/units involved:** NIL

5. **Annual/ semester/choice based credit system (programme wise):**
   - All classes have Semester system.

6. **Participation of the department in the courses offered by other departments:** NIL

7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** NIL

8. **Details of courses/programmes discontinued (if any) with reasons:** N.A.

9. **Number of Teaching posts:**

Teaching Post	Sanctioned	Filled
Associate Professors	01	01
Asst. Professors	02	01

10. **Faculty profile with name, qualification, designation, specialization:**

Name	Qualification	Designation	Specialization	No. of Years of Experience
Divya Jain	M.Sc.(Hons.), M.Phil, Ph.D	Asso. Prof.	Plant Physiology	18
Sumit Chhibber	M.Sc. (NET)	Asst. Prof.	Ecology	09

11. **List of senior visiting faculty:** Nil

12. **Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:** Nil

13. **Student -Teacher Ratio (programme wise):** 20:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:
Lab Attendant: 01 Lab Assistant: Nil

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.:

Name	Qualification
Divya Jain	Ph. D
Sumit Chhibber	PG

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

- **Dr. Divya Jain**: Minor research project titled 'Ecology, Status and Decline of Indian Peafowl (*Pavo cristatus*) due to modern agricultural practices in Haryana' (2010-2012) by UGC. Grant Received: Rs. 97, 500/- .
- **12** students completed short term research projects under BSR scheme of UGC, New Delhi in the year 2012-13 & 2014-15.
  Grant received: Rs. 30,000/- + 30,000/- (Total = Rs. 60,000/-)

18. Research Centre /facility recognized by the University: N.A.

19. Publications:

❖ **Publication per faculty:**

Number of papers published in peer reviewed journals (national /international) by faculty and students

- Divya Jain – 05
- Sumit Chhibber – 05

Divya Jain

1. Chhibber, S. & Jain, D. (2014): Inter correlation studies among yield and its contributing traits in Bread Wheat genotypes grown in Haryana, India. *International Journal of Current Research and Review.* ISSN - 0975-5241

2. Chhibber, S. & Jain, D. (2014): Morphological Diversity and Agronomic Performance of Bread Wheat Genotypes grown in Haryana, India. *International Journal of Innovative Research and Studies.* ISSN -2319-9725

3. Rana, S. & Jain, D. (2013): Impact of modern agricultural practices on population density of Indian Peafowl (*Pavo cristatus*) in Haryana, India. *Agricultural Science Digest*. ISSN -0253-150X

4. Jain, D. & Rana, S. (2013): Population indices and habitat association of Indian Peafowl (*Pavo cristatus*) in Haryana using line transect and call count method. *Indian Journal of Animal Research.* ISSN- 0367-6722

5. Jain, D. (2012): Mushrooms: Rapidly developing area of biotechnology for nutrition and therapy. Proceedings of National Symposium on 'Biodiversity, Biotechnology and Man: Interdependence and Future Challenges. ISSN - 978-81-7622-248-8

Sumit Chhibber – 05

1. Chhibber,S. & Sharma, N. (2014): Medicinal and Therapeutical potential of neem. International Journal of Scientific and Research Publications. ISSN-2250-3153.

2. Chhibber,S. & Sharma, N. (2014): Impact of heavy metal toxicity on environment. *International Journal of Innovative Research and Studies*. ISSN-2319-9725

3. Chhibber, S. & Jain, D. (2014): Inter correlation studies among yield and its contributing traits in Bread Wheat genotypes grown in Haryana, India. *International Journal of Current Research and Review.* ISSN - 0975-5241

4. Chhibber, S. & Jain, D. (2014): Morphological Diversity and Agronomic Performance of Bread Wheat Genotypes grown in Haryana, India. *International Journal of Innovative Research and Studies.* ISSN -2319-9725

5. Goyal, A. & Chhibber, S. (2016) Effect of Manganese in relation to antioxidative metabolism in germinating mung beans. *International Journal of Biology, Pharmacy and Allied Sciences.* ISSN 2277- 4998.

❖ **Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) :** Nil

❖ **Monographs:** Nil

❖ **Chapter in Books:** Nil

❖ **Books Edited:** Nil

❖ **Books with ISBN/ISSN numbers with details of publishers**

Divya Jain & Sumit Chhibber

1. Jain, D., & Chhibber,S. (2014): Textbook of Environmental Studies. Unique publications, Panipat. ISBN 978-93-83861-13-2

2. Jain, D., & Chhibber,S. (2015): Unique Tablet of Practical Botany (B.Sc I) Unique publications, Panipat ISBN -978-93-83861-30-9

3. Jain, D., & Chhibber,S. (2016): Unique Tablet of Practical Botany (B.Sc II) Unique publications, Panipat ISBN- 978-93-83861-94-1

4. Jain, D., & Chhibber,S. (2016): Unique Tablet of Practical Botany (B.Sc III) Unique publications, Panipat ISBN- 978-93-83861-95-8

5. Jham, S., Srivastav,V,Bhandari,S. & Jain, D.(2016). Diversity of Microbes. A.S. Prakashan, Meerut. ISBN 938579560-0

❖ **Citation Index:** NIL

❖ **SNIP:** NIL

❖ **SJR** NIL

❖ **Impact factor** NIL

❖ **h-index** NIL

20. Areas of consultancy and income generated: Nil

21. Faculty as members in

a) National committees:

- Dr. Divya Jain: Member, Board of Studies, KUK for a period of two years (October 2013 to October 2015)

b) International Committees: Nil

c) Editorial Boards: Nil

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme:

- The projects are mandatory in the curriculum of Botany as prescribed by Kurukshetra University, Kurukshetra.
- 100 percent students do projects in diversity of microbes, fungi, archegoniates and phanerogams. Students also take up projects in Ecology and Environment.

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: Nil

23. Awards / Recognitions received by faculty and students:

S.No.	Name of Award/ Recognition	Name of Student	Class	Session
1.	IIIrd Prize in Quiz/ Ist Prize in Slogan writing at G N Khalsa College, YamunaNagar.	Sujeet and Anchal/ Nainpreet Gill.	B.Sc.I (Medical)	2013-14

2.	IIIrd Prize in Slogan writing at G N Khalsa College, YamunaNagar.	Nainpreet Gill	B.Sc.II (Medical)	2014-15
3.	Ist Prize in Botany & IInd Prize in Zoology Inter-District Science Exhibition at Govt. College, Ambala Cantt	Satwinder & Sangeeta. Ankush & Mehak Gulati.	B.Sc.III (Medical)	2015-16

24. List of eminent academicians and scientists / visitors to the department:

1. Dr. Dinesh Kumar, Principal Scientist, ICAR, New Delhi.
2. Dr. Sarita Bhandari, Associate Professor, MLN College, YamunaNagar.
3. Dr. Nidhan Singh, Assistant Professor, IB College, Panipat.
4. Dr. Rajiv Kalsi, Associate Professor, MLN College, YamunaNagar.
5. Dr. Rekha Sharma, Principal Scientist, NBAGR, Karnal
6. Prof. Anand Kumar Bacchawat, Biological Sciences, IISER, Mohali.
7. Prof. Mukesh Thakkar, Forensic Sciences, Panjabi University, Patiala.
8. Prof. K.K. Rishi, Zoology, Kurukshetra University Kurukshetra.
9. Prof. Malyavar, Zoology, Kurukshetra University Kurukshetra.
10. Prof. P.V. Bhartam, Biochemical Sciences, NIPER, Mohali.
11. Prof. Sanjiv Gautam, Biotechnology, KUK

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National: 02

- National seminar on 'Consciousness as life principle in Sanskrit tradition and life sciences: Looking for Integrating Approach' sponsored by Haryana Sanskrit Academy held on 30th August 2012.
- UGC sponsored National Seminar on 'Chemistry-Biology Interface: Opportunities and Challenges held on 12th March 2016.

b) International: Nil

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Batch	Applications received	Selected	Enrolled		Pass percentage
				*M	*F	
B.Sc. (Med & Biothech)	**2011-14**	**30**	**17**	**5**	**12**	**76**
B.Sc. (Med & Biothech)	**2012-15**	**45**	**24**	**4**	**20**	**66.66**
B.Sc. (Med & Biothech)	**2013-16**	**60**	**45**	**7**	**38**	**88.88**

*M = Male *F = Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States
B.Sc. Medical	**96.8**	**3.2**
B. Sc. Biotech	**100**	**---**

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

- Rohit Sharma: (2013). Cleared CSIR-JRF, GATE, DBT, ARS-NET

29. Student progression

Student Progression	Against % Enrolled 2012-13	Against % Enrolled 2013-14	Against % Enrolled 2014-15	Against % Enrolled 2015-16
UG to PG	44%	36%	55%	53%
PG to M.Phil.	0%	0%	0%	0%
PG to Ph.D.	8%	0%	0%	0%
Employed -Campus Selection -Other than campus Recruitment	 0% 14%	 0% 10%	 0% 8%	 0% 8%
Entreneurship/Self Employed	0%	0%	0%	0%

30. Details of Infrastructural facilities:

a) Library:

Central Library:

- More than **1300 titles** and copies of books in Biological Science
- **4 journals** and **5 magazines** are available in the central library of the college.
- The college has the access **of INFLIBNET**, so that many e-books and e-journals are accessible.

Departmental Library: Department has its own library consisting of **more than 100** textbooks and reference books.

b) **Internet facilities for Staff & Students**: College has provided Wi-Fi facilities to the staff and students.

c) **Class rooms with ICT facility**:

- The department has an **independent computer lab with 10 computers** shared with the Departments of Zoology and Biotechnology.

- Also the well equipped Botany lab with ICT facility is used for presentations and other activities.

d) **Laboratories**- Department has a well equipped lab with

- Smart Board
- Visualizer
- LCD projector
- Research microscope with in-built camera
- Olympus binocular microscopes
- Weighing balance
- pH meter
- Hot –air oven
- Various apparatus, models, slides and class-work material.
- Department also maintains a **museum** with several specimens and herbarium.

31. Number of students receiving financial assistance from college, university,government or other agencies:

Session	No. of Students	Amount in Rs.
2012-13	04	480
2013-14	04	240
2014-15	05	4,277
2015-16	10	11,880
Total	**23**	**16, 877**

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts.

- **Green Fest /Bio Fest** is an annual event of the department in collaboration with the departments of Zoology and Biotechnology.
- **Guest Lecture** by Dr. Dinesh Kumar, Principal Scientist, ICAR, New Delhi on 03-September-2015 on the topic- '**Why 21st Century is for Biological Sciences'**
- One day **workshop on "Phytodiversity and Plant taxonomy**: **Tools and Techniques"** was organized on 26 February 2016. The keynote speakers were Dr. Sarita Bhandari, Associate Professor, MLN College, Yamunanagar and Dr. Nidhan Singh, Assistant Professor, IB College, Panipat.
- The students are encouraged to participate in a number of Inter-college competitions related to their subject throughout the year.

33. **Teaching methods adopted to improve student learning:**

The department follows student centric method and maximum use of technology is encouraged for effective teaching-learning process. Depending on the topic different techniques are used for example:

- Chalk and talk for diagrams
- Games and quiz to memorize botanical names.

- Morphology and anatomy demonstrated through models and specimens.
- ICT facilities for presentations, to show video tutorials and animation for several topics such as cell biology, genetics, embryology and ecology.
- Visualizer is effectively used to teach parts of a flower in plant taxonomy.
- The department maintains well planned botanical garden with several groups of plants and is utilized for morphological and ecological practicals.
- Field trips compliment the classroom teaching.
- Students are given topics to make presentations followed by discussion.
- Projects are mandatory in the curriculum. Regular assignments are also given.
- Formation of peer groups of students with teachers as mentors for promoting peer learning.

34. **Participation in Institutional Social Responsibility (ISR) and Extension activities**.

- The members of the department visit local farmers and interact with them, make them aware of the new released seed varieties of crops, optimum use of fertilizers and pesticides. Farmers are encouraged to use bio-fertilizers and bio-pesticides. They are also made aware of water conservation, composting and vermin-composting.
- As part of their project students also studied various plant diseases affecting the local crops. This helped them to identify the local problematic plant pathogens and their remedies. This was quite helpful in suggesting certain control measures to the crop growers.
- The college gardeners are also guided by the faculty members from time to time.
- The students actively participate in the activities of Environment Awareness Club under the guidance of faculty members of Botany and Zoology. Green drives are organized where in the medical students sensitize the other students regarding conservation of water, electricity, segregation of waste, cleanliness etc.
- Students help to maintain the college botanical garden and also the campus eco-friendly.
- New and innovative ideas of recycling and conservation of resources are proposed by the students from time to time. Several plant pots in the botanical garden are made out of waste material by the students. The labeling of the college trees and plants was also done by the students.
- Department along with Zoology Department, NSS, Youth Red Cross Society actively participates in plantation, blood donation camps, blood testing camps and first aid.
- The faculty members provide relevant information about various competitive examinations and career opportunities to the students.

35. **SWOC analysis of the department and Future plans**

Strength

- Excellent coordination between the teachers.
- Well equipped lab.
- Teaching supported with practical and field activities.

Weakness

- Inadequate number of lab staff.
- Non availability of lecture theatres with Audio Visual aids.
- Inadequate funds for field trips.

Opportunities

- Inter departmental collaboration in research.
- In order to develop research aptitude in the students, research projects will be assigned to them.

Challenges

- Incorporating newer experiments for training the students.

Future Plans

- Establishment of Hydroponics unit.
- Introduction of techniques for Mushroom cultivation.
- Training programmes will be organized by the department to impart training in various research techniques to the students.
- Up-gradation of departmental library

Department of Chemistry

1. **Name of the department:** Chemistry
2. **Year of Establishment:** Since the inception of the college
3. **Names of Programmes/Courses offered:**
   - UG Level: B. Sc. (Medical & Non-Medical)
4. **Names of Interdisciplinary courses and the departments/units involved:** NIL
5. **Annual/ semester/choice based credit system (programme wise)**
   - All Programs have Semester System
6. **Participation of the department in the courses offered by other departments**
   • Introductory Chemistry in B.Sc Home Science-I (Sem-I)
   • Nutritional Biochemistry in B.Sc. Home Science I (Sem-II)
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** NIL
8. **Details of courses/programmes discontinued (if any) with reasons:** NIL
9. **Number of Teaching posts:** 06

Teaching Post	Sanctioned	Filled
Associate Professors	01	01
Assistant Professors	05	04
Assistant Professor (Temporary)	01	01

10. **Faculty profile with name, qualification, designation, specialization:**

Name	Qualification	Designation	Specialization	Experience (Yrs)	No. of M P h i l / Ph.D. Students guided for the last 4 years
Mrs Indra Yadav	M.Sc., M. Phil.	Asso. Prof.	Organic	30	N.A.
Dr Sushil Kumar	M.Sc., Ph.D.	Asst Prof.	Physical	10	N.A.
Dr Joginder	M.Sc., Ph.D.	Asst Prof.	Inorganic	10	N.A.
Dr Jaipal	M.Sc., Ph.D.	Asst Prof.	Inorganic	12	**M.Phil 03**
Mr Gulshan	M.Sc., N.E.T.	Asst Prof.	Organic	02	N.A.
Ms Pooja Sharma	M.Sc., N.E.T.	Asst Prof.	Physical	05	N.A.

11. List of senior visiting faculty: NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

Workload	Total Workload (TWL)	TWL of Permanent Faculty	Lectures delivered by Temporary Faculty	
			No. of lectures	Percentage
Theory	39	33	06	15.38%
Practical	111	93	18	16.22%

13. Student -Teacher Ratio (programme wise): 20:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:
Lab Attendant: 03 Gas Man: 01

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.
P.G: 02 M. Phil: 01 Ph. D: 03

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:
Total Projects: 05 (Completed: 02, Ongoing: 03)

SNo	Name of Teacher	Name of Project	No	Level of Project	Grants Sanctioned	Funding Agency
1.	**Dr. Sushil**	"Spectrophotometric determination of Various Elements in trace amounts."	01	Minor Research Project	200000/-	UGC
2.	**Dr. Joginder**	**ROMRP-NRCB-CHEM-2015-16-92340** "Chemometric Studies of Water Quality Parameters of Drinking Water of Rural Areas of Ambala(Haryana)"	01	Minor Research Project	240000/-	UGC
3.	**Dr. Jai Pal**	(1)**F.No. 8-2(36)/2011 (MRP/NRCB) Dec. 2011**"Synthesis, Characterization and catalytic potentials of immobilized metal bound polymers" (2) **ROMRP-NRCB-CHEM-2015-16-87283**	02	Minor Research Projects	185000/- 200000/-	UGC

		"Physiochemical studies of soil of rural areas of Ambala(Haryana)"				
3	**Mr. Gulshan Singh**	**ROMRP-NRCB-CHEM-2015-16-74674** "Synthesis of 6-aryl-N'-(2-(thiophen-2-yl)ethyl)/4-substitutedbenzylimidazo[2,1-b]thiazole-3-carboxamides and their biological exploration"	01	Minor Research Project	165000/-	UGC

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: 05 Minor Research Projects sponsored by UGC
Total number of projects prepared by students: 12
Session 2012-13: 06 Projects; Session 2014-15: 06 Projects
Funded by: BSR Scheme of UGC
Total grants received: Rs. 60,000/- (Rs. 5000/- per project)

18. Research Centre /facility recognized by the University: NIL

19. Publications:

- **Publication per faculty**
  Total Publications: 14

JOGINDER ROHILLA

1. Spectrophotometric determination of tungsten(VI) after extraction of its 6-chloro-3-hydroxy-7-methyl-2-(4′-methoxyphenyl)-4-oxo-4H-1-benzopyran' in peer reviewed journal *Purva Mimaansa* with ISSN: 0976-0237, Vol 2(2), Page 43-57
2. Published a research paper titled "Spectrophotometric Determination of Tungsten (VI) after Extraction of Its 6-Chloro-3-Hydroxy-2-Phenyl-4-oxo-4H-1-Benzopyran Complex into Chloroform" in the Peer-Reviewed e-Journal Archives of Applied Science Research with ISSN 0975-508X. Vol 5 Issue 3 pages 81-89.

SUSHIL KUMAR

1. Published a research paper titled "Spectrophotometric Determination of Tungsten (VI) after Extraction of its 6-Chloro-3-hydroxy-2-phenyl-4-oxo-4H-1-benzopyran Complex into Chloroform" in the Peer-Reviewed, e-Journal *Archives of Applied Science Research* with ISSN 0975-508X. Vol 5 Issue 3 pages 81-89.
2. Published a research paper titled "Electric Poling and Relaxation Studies of PMMA Thin Films Containing Diaminopyrazole Derivatives as Dipolar Chromophores" in the Peer-Reviewed e-Journal, *Journal of Research Updates in Polymer Science* with ISSN 1929-5995. Vol 2 Issue 2 pages 115-121.
3. Published a research paper titled "Kinetic Study of Thermal Degradation of Polyurethanes with Nonlinear Optical Chromophore" in the Peer-Reviewed, e-

Journal *Archives of Applied Science Research* with ISSN 0975-508X. Vol 3 Issue 4 pages 309-318.

GULSHAN SINGH

1. An NMR and Computational Study of Azolo[*a*]pyrimidines with Special Emphasis on Pyrazolo[1,5-*a*]pyrimidines, Ranjana Aggarwal, Virender Kumar, Gulshan Singh, Dionisia Sanz, Rosa M. Claramunt, Ibon Alkorta, Goar Sanchez-Sanz, Jose Elguero; ***J. Heterocyclic Chem***., 52 (2015) 336-345.
2. Characterization and dispersibility of improved thermally stable amide functionalized graphene oxide, Sumita Rani, Mukesh Kumar, Rajiv Kumar, Dinesh Kumar, Sumit Sharma, Gulshan Singh, ***Materials Research Bulletin***, 60 (2014) 143–149.
3. Molecular docking design and one-pot expeditious synthesis of novel 2,5-diarylpyrazolo[1,5-a]pyrimidin-7-amines as anti-inflammatory agents, Ranjana Aggarwal, Gulshan Singh, Pawan Kaushik, Dhirender Kaushik, Deepika Paliwal, Ajay Kumar, ***European Journal of Medicinal Chemistry***, 101 (2015) 326-333.
4. Bioassay Guided Fractionation and α-Amylase Inhibitory Activity of Flavanoid Isolated from *Pinus roxburghii Sarg*., ***Natural Product Chemistry & Research*** 3 (2015) 1-3.
5. NBS mediated one-pot regioselective synthesis of 2,3-disubstituted imidazo[1,2-*a*]pyridines and their unambiguous characterization through 2D NMR and X-ray crystallography, Ranjana Aggarwal, Gulshan Singh, Dionisia Sanz, Rosa M. Claramunt, M. Carmen Torralba, M. Rosario Torres, ***Tetrahedron***, 72(2016) 3832-3838.
6. Preparation of 4,7-Dihydro-1*H*-pyrazolo[3,4-*b*]pyridine-5-nitriles in a Multicomponent Domino Process, Ranjana Aggarwal, Gulshan Singh, Suresh Kumar, Thomas McCabe and Isabel Rozas, ***Chemistry Select,*** 1 (2016) 5990–5994.

JAIPAL

1. Published a research paper titled "Chemometric Studies of Water-Quality Parameters of Drinking Water: A case study of Narwana City, Haryana(India)" in the Peer-Reviewed *Nature and Science* with ISSN 1545 - 0740. Vol 13(7) Issue 7 pages 88-93.

2. Published a research paper titled "Physioco-Chemical Analysis of Underground Water of Bhiwani City" in the Peer-Reviewed *International Journal of New Innovations in Engineering and Technology* with ISSN 2319-6319 . Vol 2 Issue 2 pages 32-36.

3. Published a research paper titled "Chemometric Studies of Water Quality Parameters of Rural Area of Hisar City, Hansi City and Uklana City" in the Peer-Reviewed *International Journal of Science*, *Engineering & Computer Technology* Vol 1(2) Issue 2 pages 221-223.

- **Number of papers published in peer reviewed journals (national /international) by faculty and students:** 14

- **Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.):** 14
- **Monographs:** NIL
- **Chapter in Books:** NIL
- **Books Edited/ Books with ISBN/ISSN numbers with details of publishers:**

Chemistry in Our Lives	Dr. Sushil Kumar/ Dr. Jai Pal (ed)	2011	S D College ISBN- 978-81-921380-8-4

- **Citation Index:**

S. No.	Faculty	Citations
1.	Dr. Sushil Goswami	40
2.	Dr. Jai Pal	68
3.	Gulshan Singh	18
4.	Dr. Joginder	14

- **SNIP:** **NIL**
- **SJR:** **NIL**
- **Impact factor:** **Avg. 2.175**
- **h-index:** **NIL**

20. Areas of consultancy and income generated: NIL

21. Faculty as members in a)National committees b)International Committees c) Editorial Boards

S.No.	Name	Duration of Membership	Agency
1.	Prof. Indra Yadav	Two Years	Member, Board of Studies, KUK.
2.	Dr. Sushil Kumar	Life Time membership	1. Indian Chemical Society-Kolkatta. 2. Indian Science Congress
3.	Dr. Joginder	Life Time membership	1. Indian Chemical Society-Kolkatta. 2. Indian Science Congress
4.	Dr. JaiPal Saharan	Life Time membership	1. Indian Chemical Society-Kolkatta. 2. Indian Science Congress

22. Student projects:

a) Percentage of students who have done in-house projects including inter departmental/programme: NIL

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: NIL

23. Awards / Recognitions received by faculty and students:

SNo.	Name of Award/ Recognition	Name of Student	Class	Session
1.	IIIrd Prize in Quiz. Ist Prize in Slogan writing at G N Khalsa College, Yamuna Nagar.	Sujeet and Anchal. Nainpreet Gill.	B.Sc.I (Medical)	2013-14
2.	IIIrd Prize in Slogan writing at G N Khalsa College, Yamuna Nagar.	Nainpreet Gill	B.Sc.II (Medical)	2014-15

24. List of eminent academicians and scientists / visitors to the department

NIL

25. Seminars/ Conferences/Workshops organized & the source of funding:

a) **National workshop**:

- One Day National workshop on "Chemistry-Biology Interface: Opportunities and Challenges" sponsored by UGC & organized on 12 March 2016 by Departments of Chemistry and Biological sciences, S.D. College, Ambala Cantt.

26. Student profile programme/course wise: 2014-15

Name of the Course/ programme (refer qno.4)	Applications received	Selected	Enrolled		Pass percentage
			M	F	
B.Sc. III (Non-Med)	200	105	34	71	82
B.Sc. III(Med & Biotech)	45	24	4	20	66.66

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States
B.Sc (Non-Med)	95.5	0.5
B.Sc (Med)	96.8	3.2

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Session	Examination Passed					
2011-16	SSC	NET/GATE/IIT JAM/NIT/other Entrance exams	IBPS/PO/ BANK	Defence /CDS	JRF	HTET/C TET
	01	**12**	**03**	**11**	**02**	**02**

30. Student progression

	2011-12	2012-13	2013-14	2014-15	2015-16
UG to PG (B. Sc. NM)	76	80	83	82	82
UG to PG (B. Sc. Med)	44	36	55	53	44
PG to M.Phil.	--	--	1	1	--
PG to Ph.D	1(NM) + 8 (Med)	--	--	--	--
Employed **Campus Placement (NM)**	3	2	5	8	10
Other than campus recruitment (NM)	5	8	3	3	3
Other than campus recruitment (Med)	14	10	8	8	14
Entrepreneurship/Self-employment (NM)	15	10	08	06	5

30. Details of Infrastructural facilities:

a. Library: The Central Library has around 1378 books on Chemistry

b. Internet facilities for Staff & Students: Yes.

The college provides free Wi-Fi facility to staff and students

The department harbors' one desktop with 3-in-1 Printer/ Scanner/ Copier

c. Class rooms with ICT facility: NIL

d. Laboratories: 04 Ventilated, spacious well equipped labs

(i) Instrumentation Lab: 01 (ii) Chemistry Labs: 02

(iii) Research Lab: 01 (iv) Balance Room: 01

(v) Gas Plant: 01 (vi) Store Room: 01

31. Number of students receiving financial assistance from college, university, government or other agencies:

SNo.	No. of students	Agency
1	8	KUK
2	61	Private Scholarships
3	12	Under BSR Projects Scheme

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts:

- Students of the Chemistry Association participated in Zonal Level Science Exhibition sponsored by Dept. of Science & Technology Haryana, held in February, 2012.
- Students of the Association participated in Science Essay Writing Competition, sponsored by Haryana State Council for Science and Technology, held on 26-09-2012.
- Ten students of the Dept. participated in Ozone Awareness Rally, organized by District Administration, Ambala.
- The Association organized a Quiz Contest on 11-03-2014.
- An Educational Tour was organized to Pushpa Gujral Science City, Jallandhar, 29-03-2014.

33. Teaching methods adopted to improve student learning:

- Traditional Chalk and Board Method
- Demonstration through Practical Training
- Workshops & Seminars

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- The students of the department actively and enthusiastically participate in all the social and extension activities organized within and outside the campus like-

i) Voluntary Blood Donation Camps ii) Tree Plantation Drives
iii) Cleanliness Drives iv) Social Awareness Campaigns

35. SWOC analysis of the department and Future plans

Strength:

- Spacious, well equipped laboratories and sound infrastructure
- Well qualified faculty
- Sincere and dedicated lab staff
- Meritorious student's first choice for admission is S.D. College.
- Audio-Visual System, Computer, Printer, Projector & Internet Facility in the department

Weakness:

- Lack of specialized Courses like:
- Honours
  - PG Course
  - Applied Chemistry like industrial chemistry, Biochemistry, Pharmaceutical Chemistry etc.

Opportunity:

There is vast opportunity for the Chemistry Students in the field of:

- Pharmaceutical
- Industrial Chemistry

- Instrumentation
- Chemical Industry
- Teaching & Research

Challenges:

- Generating interest among the students about the subject.
- Introducing PG courses
- Involvement in Research based activities both of the faculty & students.

Department of Commerce & Management

1. **Name of the Department:** Department of Commerce & Management
2. **Year of Establishment:** 1972
3. **Name of Programmes/Courses Offered:**

UG:

- B.Com (Gen/SF/CAV/PPI/ASPSM/OMSP)
- BBA
- B. Voc.(BPO)

PG:

- M.Com (Gen/IT)

Add-On:

- Marketing, ITM, OMSP (CC/DC/ADC)

4. **Name of Interdisciplinary Courses and the Departments/Units Involved:**

Interdisciplinary Course	Department
B.Com(CAV,OMSP), M.Com(IT), B.Voc (BPO)	Commerce & Comp. Science

5. **Annual/Semester/Choice Based Credit System(Programme Wise):**

➢ **Semester Based:**

- B.Com (Gen/SF/CAV/PPI/ASPSM/OMSP)
- BBA
- M.Com (Gen/IT)

➢ **Annual Based:**

- Add-On Marketing-ITM, OMSP (CC/DC/ADC)

➢ **Choice Based Credit System:**

- B. Voc (BPO)

6. **Participation of the Department in the Courses Offered by Other Departments:**

➢ Office Management in B.A. and Personality Development in BCA

7. **Courses in Collaboration with Other Universities, Industries, Foreign Institutions, etc.:** None

8. **Details of Courses/Programmes Discontinued (if any)with Reasons:**

➢ **B.Com TTM** has been discontinued due to continuous reduction in strength of the students and lack of demand for the course.

9. **Number of Teaching Posts:**

Teaching Post	Sanctioned	Filled
Associate Professor	01	01
Assistant Professors	04	03
Assistant Professor (Management Seat)	01	01
Assistant Professors (Temporary)	20	20

10. Faculty Profile with Name, Qualification, Designation, Specialization:

Sno	Name	Qualification	Designation	Specialization	Exp (Yrs)
1	**Mr. Rajeev Chander Sharma**	M.Com, M. Phil. Dip .in Comp. in Office Mgt & Urdu	Associate Prof.	Office Mgt & HRM	34
2	**Mr. Satbir Singh**	M.Com, PhD (Pursuing)	Asst. Prof.	Accounting & Finance	3
3	**Ms. Kavleen Bharej**	M.Com, PGDBA	Asst. Prof.	Finance & HRM	4
4	**Ms. Heena**	M.Com.	Asst. Prof.	Accounting & Finance	4
5	**Dr. Renu Sharma**	M.Com, MBA, PhD	Asst. Prof.	Marketing & Finance	12
6	**Ms. Bindu Aggarwal**	M. Com, M. Phil	Asst. Prof.	Marketing	11
7	**Mr. Harvinder Singh**	M. Com, M. Phil	Asst. Prof.	Finance	10
8	**Mr. Deepak Kumar**	M.Com, MBA	Asst. Prof.	Marketing	6
9	**Ms. Prerna Singh**	MBA, M.Com	Asst. Prof.	Finance & Marketing	5
10	**Ms. Ekta Anand**	M.Com, B. Ed, M. Phil, Ph. D	Asst. Prof.	Finance & Marketing	4
11	**Ms. Pooja Rani**	M. Com, M. Phil	Asst. Prof.	Marketing	5
12	**Ms. Nancy Chopra**	M.Com, MBA	Asst. Prof.	Finance	5
13	**Ms. Anupam**	M. Com, M. Phil, Ph D (Pursuing)	Asst. Prof.	Accounting & Finance	5
14	**Ms. Bhupinder Kaur**	M.Com, MBA, B. Ed	Asst. Prof.	Finance	5
15	**Ms. Rashmi Billus**	M.Com, PGDBA	Asst. Prof.	Marketing	4
16	**Ms. Anita Bindal**	M.Com, M Phil, M.A	Asst. Prof.	Finance, PA	8
17	**Ms. Subhra Jindal**	M. Com, M. Phil, PGDBA	Asst. Prof.	Finance	4
18	**Ms. Bhawna Madhok**	M. Com, M.B.A, M. Phil, B. Ed	Asst. Prof.	Finance	4
19	**Ms. Monika Sharma**	M.Com, B. Ed, M.A (Eco.)	Asst. Prof.	Marketing	5
20	**Mr. Parveen Kumar**	M.Com, B. Ed	Asst. Prof.	Marketing	4

21	**Ms. Meenal**	M. Com, M. Phil, MBA	Asst. Prof.	Finance & Marketing	2
22	**Ms. Preeti Gupta**	M.Com, B. Ed	Asst. Prof.	Finance	7
23	**Ms. Supriya Yadav**	M.Com	Asst. Prof.		3
24	**Ms. Rachna Bajaj**	MBA, PhD Pursuing	Asst. Prof.	Finance &Marketing	4
25	**Ms. Mamta Guglani**	Diploma in Secretarial Practice and Off. Mgt, M.A. Mass Com	Type Instructor	Shorthand	4

11. List of Senior Visiting Faculty: NIL

12. Percentage of Lectures Delivered and Practical Classes Handled by Temporary Faculty:

Session (2015-16)

Class	Lectures Delivered by Temporary Faculty		Practical Classes Handled by Temporary Faculty	
	No.	Percentage (%)	No.	Percentage (%)
All Classes	768	90.1	48	100

13. Student-Teacher Ratio (Programme Wise): 2015-16

UG	27:1
PG	19:1

14. Number of Academic Support Staff Technical and Administrative Staff: NIL

15. Qualifications of Teaching Faculty with D.Sc./D. Litt/Ph. D/M. Phil/PG.:

Ph. D: 02 Pursuing Ph.D:03 M. Phil: 10 P.G.:10

16. Number of Faculty with Ongoing Projects from a) National b) International Funding Agencies and Grants Received:

National Agency:

- Mr. Satbir Singh, Assistant Professor, Minor Project (2016-2017)

17. Departmental Projects Funded by DST-FIST; UGC, DBT and Total Grants Received: NIL

18. Research Centre/Facility Recognized by the University: N.A.

19. Publications:

International Papers	117
National Papers	22
Chapters in a Book	15
Books Edited	01
Authored Book	03

Books with ISBN:

1.	Data Communication and Networks	Ms. Pooja Bajaj	2013	Ishan Publications, Jalandhar ISBN-978-93-8155-177-6
2.	RDBMS	Ms. Pooja Bajaj	2014	Ishan Publications, Jalandhar ISBN-978-93-8155-163-9
3.	Online marketing	Ms. Bindu Aggarwal	2015	Online ISBN-978-81-931613-9-5
4.	Entrepreneurship	Ms. Shubhra Jindal	2016	Jalandhar ISBN-978-93-81551-69-1

* **Citation Index** NIL
* **SNIP** NIL
* **SJR** NIL
* **Impact factor** Average 3.76
* **h-index** NIL

20. Areas of Consultancy and Income Generated: NIL

21. Faculty as Members in
a) National Committees b) International Committees c) Editorial Boards

Name of Faculty	National Committee/Editorial Board
Mr.Rajeev Chander Sharma	(i) Indian Commerce Association (ii)HCTCA (iii)UG Board of Studies of Commerce (2014-15)
Mr.Deepak Kumar	International Journal of Research

22. Student Projects

a) **In-house Projects Including Inter-departmental / Programme**:

Session-> Class	2011-12	2012-13	2013-14	2014-15	2015-16
OMSP	10.20	18.60	18.97	7.83	44.64
CCOMSP	25	-	40	66.67	18.75
DOMSP	25	30	16	20	23.43

b) **Percentage of students placed for projects in organizations outside the institution i.e.in Research Laboratories/Industry/ Other Agencies:**

Session	2011-12	2012-13	2013-14	2014-15	2015-16
Student %	75.9	93.8	93.1	89.4	92.7

23. Awards/Recognitions Received by Faculty and Students

No. of Distinctions					
Session	**2011-12**	**2012-13**	**2013-14**	**2014-15**	**2015-16**
UG	64	55	71	54	62
PG	01	02	02	06	01
Total	**65**	**57**	**73**	**60**	**63**

Inter College Awards

Students of the department bagged 22 prizes in various Inter-college co-curricular competitions from 2012 to 2017.

Awards of Faculty

SNo	Name of Faculty Member	Name of Award
1.	**Mr. Deepak Kumar**	Regular Blood Donor Award (17 Times)
2.	**Ms. Rashmi Billus**	Nation Builder Award (by Rotary Ambala)
3.	**Mr. Harvinder**	Regular Blood Donor Award (8 Times)
4.	**Ms. Ekta Anand**	Regular Blood Donor Award (5 Times)
8.	**Ms. Rashmi Billus**	Brand Ambassador and Qualified Girl in Region of GSSS, Ambala under "Beti Bachao, Beti Padhao" by Haryana Govt
9.	**Ms. Shikha**	Awarded as the Qualified Girl in Region by GSSS, Babyal under "Beti Bachao, Beti Padhao" by Haryana Govt

24. List of Eminent Academicians and Scientists / Visitors to the Department

1. Prof. RajinderNath, Dept. of Comp. Sc. & Applications, K.U.K.
2. Prof. Narender Singh Chaudhry, Dept. of Commerce, K.U.K.
3. Dr. Bhag Singh Bodla, Chairperson, Univ. School of Mgt., K.U.K.
4. Prof. Sanjay Kaushik, University Business School, P.U., Chandigarh
5. Dr. Maninder Singh, HoD, Comp. Sc. & Engg., Thapar Univ., Patiala
6. Prof. D. D. Arora, Dept. of Management, K.U.K
7. Dr. M. K. Jain, Chairperson, Institute of Mgt. Studies, K.U. K.
8. Dr. Maninder Singh, Head, DESA, Thapar Univ., Patiala
9. Dr. Hawa Singh, Chairperson, Dept. of Commerce, K.U.K.
10. Dr. Arora, Director, M.M. Institute of Mgt., Mulana (Ambala)

11. Dr. S.K. Chadha, , University Business School, P.U., Chandigarh
12. Prof. Ravi Bhushan Kumar, Chairperson, Dept. of Tourism, K.U.K.
13. Dr. P. K. Mehta, Director, AIMT, Ambala City
14. Dr. Tajinder Sharma, Associate Professor, Dept. of Commerce, K.U.K.
15. Prof. Ajay Suneja, Dept. of Commerce, KU.K.
16. Prof. Seema Bawa, Dept of Comp. Sc. & Engg, Thapar Univ., Patiala
17. Dr. Vikas Chaudhry, Chairman, Dept of Humanities & Mgt., NIT, Kurukshetra.

25. Seminars/Conferences/Workshops Organized & the Source of Funding:

SNo.	Event	Funding Agency	Amount Sanctioned	Date
1	National Seminar	UGC	Rs. 1,00,000	16-03-2016
2	National Seminar	In-house	Rs. 50,000	03-11-2016

26. Student Profile Programme/Course Wise:

Name of the Course/ Programme	Applications Received 2012-13	Selected	Enrolled		Pass % 2014-15
			M	F	
B.Com Gen	257	79	31	55	99.5
B.Com SF	97	82	37	45	98.83
B.Com CAV	96	39	12	27	99.50
B.Com OMSP	66	32	18	14	92.50
B.Com PPI	58	27	15	12	98
B.Com ASPSM	76	21	13	08	94.50
BBA	74	47	26	21	92.78
M.Com Gen	56	35	02	33	95.33
M.Com IT	22	17	03	14	96.37

27. Diversity of Students

Name of the Course	Total Students	Percentage of Students From the Same State	Percentage of Students From Other States
2015-16	1045	99.809	0.191
UG	934	99.786	0.214
PG	111	100.00	-

28. How many students have cleared national and state competitive examinations such as NET,GATE, Civil Services, Defence Service, etc.?

EXAMINATION	NET	CIVIL SERVICES	DEFENCE	BANK/PO	CA/CS
No of Students	15	2	4	20	14

29. Student Progression

Student Progression	Against % Enrolled			
	2012-13	2013-14	2014-15	2015-16
UG to PG	21.97	22%	28%	35%
PG to M.Phil.	0%	0%	0%	0%
PG to Ph.D.	1%	0%	0%	0%
Employed **-Campus Selection** **-Other than campus Recruitment**	 1.40% 26.48%	 1.39% 18.94%	 5.18% 32.13%	 6.13% 29.06%
Entreneurship/Self Employed	12.39%	5.29%	13.24%	22.35%

30. Details of Infrastructural Facilities

a)Library:

Central College Library

Books	CDs	Journals	Magazine	E-Books/E-Journals
3577	10	08	05	Subscription of NLIST-INFLIBNET

Departmental Library

Books	CDs	Software
300	50	Tally, SPSS

b) Internet Facilities for Staff & Students:
Wi-Fi campus, 25 Computers, 5 Laptops, 2 Printers and 2 Online UPS

c) Class Rooms with ICT facility: 1 Seminar room with projector and podium

d) Lab-1 with 20 Computers

31. Number of Students receiving Financial Assistance from College, University, Govt:

Session-> Type	2011-12		2012-13		2013-14		2014-15		2015-16	
	No.	Amt	No.	Amt	No.	Amt	No.	Amt	No.	Amt
Private Scholarship	-	-	09	9,950	09	11,400	12	13,800	14	37,900
Post Matric Scholarship for Higher Education	13	81,438	-	-	-	-	-	-	-	-
Sitaram Jindal Foundation	-	-	14	46,200	13	41,400	07	26,300	04	20,400
College Scholarship	146	114438	122	97745	120	103903	383	189531	153	234540
Total	**159**	**195876**	**145**	**153895**	**142**	**156703**	**204**	**229631**	**171**	**292840**

32. Details on Student Enrichment Programmes (Special Lectures/Guest Lectures /Workshops/Seminar) with external Experts:

Enrichment Program	2012-13	2013-14	2014-15	2015-16
Guest Lectures	35	27	30	26
Workshops	2	0	0	6
Training	0	1	0	1
Educational Visits	3	2	2	7

33. Teaching Methods Adopted to Improve Student Learning:

The faculty members of the department use various ICT resources and teaching methods like **Case Studies, Role Plays, Group Discussions, Management Games, Quiz and Extempore Speech.**

34. Participation in Institutional Social Responsibility (ISR) and Extension Activities:

Faculty and students of the department actively participated in the following Social Responsibility and Extension Activities in the last five years:

- Blood donation, donation to flood/ drought relief funds.
- Tree plantation, cleanliness drives.
- Free tuitions to the children of maids.
- "Say No To Polythene" Drive
- Diwali Celebration at Old Age Home, Baldev Nagar, Ambala City.
- Distribution of home cooked food.
- Organized Cancer Awareness Seminar
- Nutrition and hygiene alert rally
- Distribution of clothes and blankets to the homeless.
- Participation in an event - PaathShaala-Teaching the underprivileged children.
- Fund raising was done for two major events — Rs. 70,000 Rs for the treatment of a Cancer Patient and Rs. 40,000 for installation of water cooler in a Govt School

35. SWOC Analysis of the Department and Future Plans

Strength:

- Regular use of ICT tools
- Highly qualified and experienced staff
- Largest student strength of the college
- Excellent infrastructural facilities
- Career awareness and guidance to students

Weakness:

- Limited ICT facilities in all classrooms.
- Lack of big industries in Ambala

Opportunities:

- In campus job opportunities for students
- Opportunity to upgrade the hard and soft skills of students through various workshops.
- Career avenues to become CA/CS/NET/UPSC/MBA etc.

Challenges:

- To bridge the gap between theory and practical.
- To update the curriculum according to industry and societal requirements.
- To enhance soft and hard skills of students for creation of self-employability and entrepreneurship.

Department of Computer Science and Applications

1. **Name of the Department:** Department of Computer Sc. & App.
2. **Year of Establishment:** 1999
3. **Names of Courses:**

UG Courses: B.Sc. (Comp.Sc. CAV), BCA
PG Courses: PGDCA, M.Com IT
Skill Development Courses: B.Voc (Soft. Dev., B.P.O)
Add On Course: Certificate Course (Comp. App., Web Desg.)

4. **Names of Interdisciplinary courses and the departments/units involved**

Course	Departments involved
M.Com IT	Commerce, Computer Science, Electronics & IT
B.Sc. (Comp.Sc.)	Computer Science, Electronics
B.Sc. (CAV)	Computer Science and Physics

5. **Annual/ semester/choice based credit system (programme wise)**

Semester	Annual	Semester & Credit based
B.Sc. Comp.Sc., B.Sc. CAV, BCA	PGDCA, Certificate Course in Comp. App. & Web Designing	B.Voc.(Software Development) B.Voc(Business Process Outsourcing)

6. **Participation of the department in the courses offered by other departments.**

Class	Class
UG-I	B.Com-I Gen
B.Com CAV S I to VI	B.Com S-I OMSP S-V
BBA S-I and S-III	M.Com.-III
M.Com IT S-I to IV	M.A Eco-I
MA Mass Com-I	—

7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** NIL
8. **Details of courses/programmes discontinued (if any) with reasons:** NIL
9. **Number of teaching posts**

Teaching Post	Sanctioned	Filled
Asst. Professors- Regular Management	01 01	00 01
Asst. Professors (Temporary)	14	14
Staff under UGC Scheme of DDUKK	03	03

10. Faculty profile with name, qualification, designation, specialization

SNo	Name	Qualification	Designation	Specialization	Exp(in Yrs.)
1	Ms.Amandeep Mehta	MCA, M.Phil	Asst. Prof.	Data Mining	16
2	Ms.Meenakshi	MCA, M.Phil	Asst. Prof.	VB, DBMS	10
3	Ms.Ruchi Sharma	MCA, M.Phil	Asst. Prof.	Visual Basic	9
4	Mr.Sanjay Tiwari	MCA	Asst. Prof.	Java, PHP, C	9
5	Ms. Kavita Kumari	MCA	Asst. Prof.	OS	8
6	Ms.Surbhi Garg	MCA	Asst. Prof.	Java, VB,C++	8
7	Ms.Ritu Rani	MCA	Asst. Prof.	DS, NA	7
8	Ms.Kamna Billus	MCA	Asst. Prof.	DBMS ,C	6
9	Ms.Disha Dhingra	MCA	Asst. Prof.	DBMS	3
10	Ms.Shilpa	MCA	Asst. Prof.	SE, DBMS, C	4
11	Ms.Rajni Aggarwal	M.Tech	Asst. Prof.	DBMS	6
12	Ms.Alpa Sharma	M.Tech	Asst. Prof.	DBMS, DS	2
13	Ms.Himanshu	M.Tech	Asst. Prof.	DS, C	2
14.	Ms. Poonam Rani	MCA,NET	Asst. Prof.	DS,C++	2
15	Ms. Kirti Rana	MCA	Asst. Prof.	DS,	4
16	Ms. Pooja Bajaj	MCA,NET	Asst. Prof.	DS,C,C++	1
17	Ms. Hina	M.Sc, NET	Asst. Prof.	C++,RDBMS	1
18	Ms. Nidhi Sharma	MCA,NET	Asst. Prof.	DBMS, OS	3

11. List of senior visiting faculty NIL

12. Percentage of lectures delivered and practical classes handled (prog. wise) by temporary faculty.

Name of Course	Lectures delivered by Temporary Faculty		Practical's handled by Temporary Faculty	
	No.	Percentage	No.	Percentage
BCA	45	93%	36	85.7%
B.Sc(CSc)	18	100%	36	100%
B.Sc(CAV)	15	83.3%	18	100%
PGDCA	15	100%	12	100%
B.VocI(SD)	24	100%	13	100%
M.Com IT	24	100%	6	100%

13. Student -Teacher Ratio (programme wise)

Name of Course	Total Students	No. of Teachers Involved (*teachers are repeated in one session)	Students Teacher Ratio
BCA	131	11	38:1
B.Sc C.Sc.	87	4	43:1
B.Sc CAV	32	7	22:1
PGDCA	06	6	6:1
B.Voc (SD)-I	28	5	16:1
M.Com IT	34	5	30:1

14. Number of academic support staff (technical) and administrative staff:

Designation	Sanctioned	Filled
Lab Attendant	02	02
MTS	01	01
Technical Assistant	01	01

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG:

PG: 15 M.Phil:03 Ph.D:0

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: NIL

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:

***Projects under UGC Scheme of BSR(Basic Science Research)**

Session	Grant Received	No of Projects
2012-13	30,000/-	06
2015-16	30,000/-	08

18. Research Centre /facility recognized by the University: NIL

19. Publications:

*** Number of papers published in peer reviewed journals (national / international) by faculty and students:**

S.No	Name of Faculty	Publications	Impact Factor
1	Amandeep Mehta	02	0.05
2	Kavita Taneja	09	4.012,1.8233,2.8,0.423,0.352,0.814 (**Av. 1.75**)
3	Poonam Rani	03	2.371,5.081,0.706 (**Av. 2.71**)
4	Alpa Sharma	03	2.5
5	Himanshu	04	2.5

* Number of publications listed in International Database: **18**

* Monographs: **NIL**

* Chapter in Books: **30**

* Books Edited with ISBN/ISSN number: **06**

SNo	Title	Author/ Co-Author	Name of Editor/Author	Year	Name of Publisher ISBN/ISSN number
1	Emerging trends in Computer Industry	Co-Author	Amandeep Mehta	2012	Parkash Computers Art 978-81-92-1380-6-0
2	Computational Sanskrit: Issues & Challenges	Editor	Kavita Taneja	2013	Mahajan Enterprises 978-93-82529-03-3
3	Data Communication and Networks	Author	Pooja Bajaj	2013	Ishan Publications, 978-93-8155-177-6

4	RDBMS	Co-Author	Pooja Bajaj	2014	Ishan Publications, 978-93-8155-163-9
5	Strategic Role of Information Technology in Empowering Commerce	Editor	Amandeep Mehta	2016	Mahajan Interprises 978-93-82529-06-04
6	Fundamentals of Database System II	Author	Sangharsh Saini	2016	978-93-5258-665-3

- **Citation Index** Dr. Kavita Taneja- 45
- **SNIP** NIL
- **SJR** NIL
- **Impact factor** Average 1.89
- **h-index** NIL

20. Areas of consultancy and income generated:

Provided consultancy on Website Designing to following Educational and Commercial Organization

Sno	Name of Organization	Project Consulted
1	Angels Public School, Ambala	School website: www.angelspublicschool.in
2	Silex Softwares Pvt. Ltd.	Vacation Home Rental Software, Custom E-Commerce Website With Seller Panel, Bio Waste Management using Android App, Global Lab Expo, Art Gallery
3	GTech informatics Pvt Ltd	Online Student Management System
		Account Master of Sabji Mandi, Ambala

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards.

NIL

22. Student projects

a) **Percentage of in-house projects**

Class	Total Students Enrolled	No. of In-House Projects	Percentage of Students
BCA	130	--	Nil
B.Sc (Comp. Sc)	87	31	35.632%
B.Sc.(CAV)	32	--	Nil
PGDCA	6	--	Nil
M.Com IT	34	34	100%
Add ON Courses	65	65	100%

b) Percentage of projects outside the institution

Name of Class	Session	Total students Enrolled	No. of outside projects	Percentage of students
B. Voc(SD)	2015-16	33	33	100%
B.Com(CAV)	2015-16	111	66	59.45%

23. Awards / Recognitions received by faculty and students:

a) Awards / Recognitions received by faculty

- **Dr. Kavita Taneja** awarded "Shiksha Rattan Puraskar" for contribution in the field of Education, Research and Academics.
- **Ms Hina** recognized as Brand Ambassador of "Beti Bacho Beti Padhao" and "Beti Ka Salam Rastra Ke Naam".

b) Awards / Recognitions received by students:

- **Students of the department bagged 18 awards including Overall Trophies in National, State and Inter-college contests in the last four years.**

c) Awards / Recognitions of Students in Academics

Merit Holders

Session	Name	Class	Position
2013-14	Mehak	BCA.Sem IV	IInd
	Swati Gupta	Mcom(IT) Sem.II	IInd
	Alka Kanojia	Mcom(IT) Sem.II	IInd
2011-16	68 Academic Distinctions		

24. List of eminent academicians and scientists / visitors to the department

1) Dr. Radhey Shyam Sharma,VC, Chaudhary Devi Lal Uni., Sirsa
2) Dr. Anil Pundir, Registrar, GJUS&T, Hissar.
3) Dr. Rajender Nath, Chairman, DCSA, KUK
4) Dr. Anurekha Sharma, Chairperson, Department of Electronic Sc., KUK
5) Dr. Anil Vohra, Dean of Sciences, KUK
6) Dr. Kawaljeet Singh, Director, UCC, Pbi. Univ, Patiala
7) Dr. Adesh Sharma, Senior Scientist, NDRI, Karnal
8) Prof. Seema Bawa, Comp. Sc. & Engg. Thapar University, Patiala
9) Dr. Suchita Upadhyay, Professor, DCSA, KUK
10) Dr. Rakesh Kumar, Professor, DCSA, Kuruskhetra University
11) Prof. M. Syamla Devi, Dept of Comp. Sc & App., PU. Chandigarh.
12) Dr. Maninder Singh, HoD, Comp. Sc.& Engg., Thapar Univ., Patiala
13) Dr. Girish Nath Jha, Associate Professor, JNU, New Delhi
14) Mr. Puneet, Developer & Trainee Officer, SEBIZ Infotech, Mohali

25. Seminars/ Conferences/Workshops organized & the source of funding

A) National

SNo	Title of Seminar/ Conference/ workshop	Funding Agency	Amount Sanctioned (in lakh)	Date
1	Emerging Trends in Computer Industry	UGC	1.50	10th Mar,2012
2	Computational Sanskrit - Issues and Challenges	DHE	1.00	20-21 Dec, 2013
3	Current Development in Mathematics & Computer Sc.	UGC	1.00	18th Mar,2016
4.	Strategic Role of Information Technology in Empowering Commerce	UGC	1.00	16th Mar,2016

26. Student profile programme/course wise:

Name of Course	Session	Application Received	Selected	Students Enrolled M	F	Pass%
BCA	2011-14	80	45	27	18	61%
	2012-15	85	49	35	14	60%
	2013-16	100	58	39	19	80%
B.Sc. Comp.Sc	2011-14	50	22	13	9	65%
	2012-15	55	24	7	17	78%
	2013-16	70	39	20	19	81%
B.Sc. CAV	2011-14	30	14	5	9	83%
	2012-15	28	11	7	4	85%
	2013-16	40	15	8	7	88%
PGDCA	2011-12	25	17	11	6	50%
	2012-13	18	12	4	8	58%
	2013-14	20	16	7	9	100%
	2014-15	15	09	4	5	50%
	2015-16	10	06	2	4	40%

27. Diversity of Students:

Name of the Course	% of students from the same state	% of students from other States
BCA	98.29%	1.70%
B.Sc Comp.Sc	98.86%	1.13%
B.Sc CAV	100%	-
MCom –IT	100%	-
PGDCA	100%	-
B.Voc(Software	100%	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Session	Examination Passed					
2011-16	SSC	MC	IBPS/PO/BANK	CISF	AFCAT	CDS
	08	01	04	01	02	01

29. Student progression:

Student progression	Against % enrolled				
	2011-12	2012-13	2013-14	2014-15	2015-16
UG to PG	76	52	57	58	58
Campus selection	08	19	03	07	34
Other than campus recruitment	08	17	25	24	02
Entrepreneurship/Self-employment	11	12	17	11	5

30. Details of Infrastructural facilities:

a) Library: **Departmental Library: 01**

No. of Titles	No. of Copies	PPT	E- Tutor	Proceedings
69	315	300	200	03

Central Library: 01

Titles	No. of Copies	E- Journals NFLIBNET	CD/ DVD	Magazine	Print Journal	E-Book	Bibliographic Dbase
1044	3462	31	125	03	02	04	01

Virtual Library: 01

Department provides E-Resources to students through virtual library at **ddu.sdcollegeambala.org** containing huge collection of paper wise PPT's, E-Books, E-tutors, Question Banks, Videos

E-Books	PPT's	E-tutors	Question Banks	Videos
50	95	67	06	78

Department has also developed a Library Software for Issue and Return of Books.

b) Internet facilities for Staff & Students: Campus is Wi-Fi and fully accessible by the Staff & Students

c) Infrastructural Details:

Physical Infrastructure	2015-16
Computer Labs	09 Labs Equipped with CCTV
Departmental Staff Room	01
Departmental Store	01

Maintenance Lab		01
Smart Class Rooms		02
Internet Lab		01
DDUKK Office		01
Academic Infrastructure		
Audio-Visual Teaching Aids	Smart Boards (05)	Speakers (02)
	Visualizer (01)	Headphones (34)
	Podiums (09)	WACOM Pen Display (05)
	Projectors (12)	White Boards (11)
Computers & Accessories	Desktops on LAN(160)	Printers all in one (05)
	Desktops(Stand Alone)(5)	Scanners (02)
	Laptops (05)	Printer Deskjet (Color) (01)
	Online UPS 6 KVA (07)	Modems (02)
	SERVER(IBM) (01)	Switches (06)
	Firewall (Nebero)	CD Writers (51)
	Routers (02)	Web Cameras (02)
	Ceiling Mount Kit With Remote (02)	Ceiling Mount Kit Without Remote (09)
Safety and Security Equipments	CCTV	16
	Fire Extinguisher	09

d) Licensed Software:

Sno.	Name	Licence
1	Visual Studio 6.0, VS .net 2003 Media Kit, VS .net 2003 Paper Licence, VS Pro 2013 SNGL olp Acdmc, MS Visual Studio Prof.2013	17
2	Oracle 8i, Oracle 11g Standard one edn for window 5 user	02
3	**Languages:** Cobol,Borland Turbo C++ Suit, Turbo Pascal, Fortran 77	09
4	Office-2000, Office XP Prof.Media Kit, Office XP Prof.Paper Licence Kit,Off. Pro Plus 2013 Sngl OLP Acdmc, Off.2013 Sngl olp NI Acdm	42
5	Tally 6.3 Multiuser Pack, Tally ERP Single User Silver Box, Tally ERP 9.0 Multiuser Gold	03
6	Adobe Page Maker 7.0	03
7	MS Window 2003 Standard Server with 14 Client Access License	01
8	PCB Designing Software DIP Trace Edition	01
9	Smart Prog 2 40 Pin Universal Programmer	01
10	WinSL 8 Sngl olp Nl Acdmc Legalization Get Genuine, Win Pro 8 Sngl Upgd olp Nl Acdmc, Win Sl 8.1 Sngl olp Ni Acdmc Legalization	80
11	SQL Svr Std 2012 SNGL , SQL Server 2014 Microsoft SQL Ser 2014	03

12	Adobe Flash Prof.CS6 12 Academin Licence	02
13	Adobe Dreamweaver CS6 12	01
14	Nebero Firewall	01

31. Number of students receiving financial assistance from college, university, Government or other agencies:

Session	2011-12		2012-13		2013-14		2014-15		2015-16	
Concession Type	No	Amt (Rs.)	No	Amt (Rs.)	No	Amt (Rs.)	No	Amt (Rs.)	No	Amt (Rs.)
College	45	44138	41	53937	21	47740	45	39333	35	97835

*College Concession Types=EWC,FFM,HFC,BPL,SPORTS,FFC etc.

Details of the Scholarships

Session	2011-12	2012-13	2013-14	2014-15	2015-16
Type of the Scholarship	No. of Students	No. of Students	No. of Students	No. of Students	No. of Students
Government	4	3	1	---	14
University	2	---	1	---	---
College	5	4	1	1	6
Private	---	1	---	---	---
Total	11	8	3	1	20

32. Details on student enrichment programs (special lectures/workshops/ seminar) with external experts.

- 38 Seminars/Workshops/Extension lectures were organized by the department from 2011 to 2016 under Student Enrichment Programs
- The department organized 15 Industrial Visits for the students from 2011 to 2016.
- 05 Training Programs were organized on diverse areas like skill development, tutorials, quiz and student orientation during 2015-16.

33. Teaching methods adopted to improve student learning

- Use of Audio Visual tools for better and interactive learning.
- Class Room Discussions with teacher as facilitator.
- Demonstrations in the form of tutorials and videos.
- Spoken Tutorials are conducted in the Labs to promote self -learning.
- Flipped Classrooms methodology

`

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

Donations	Tree Plantation	Counseling	National Responsibility/ Social Reforming Activities
05 Computers to SD Adarsh, Sanskrit College, Ambala Cantt.	Planted 20 trees at Mickey Model School, Ambala Cantt.	Counseled 90 students of Government School	Swachh Bharat Abhiyan Project at S.B.B.M. School, Ambala
Rs 6000/- in Uttrakhand Disaster Relief Fund	Student Participated in Green Drive	Counseled 80 students of Government School for Opportunities in Higher Education	Students Participated in Rally on "BETI BACHAO"
Rs 5000/- to Mr. Pardeep, for Blood Transfusion		Counseled students of 10th and 12th standard	Young Voters' Registration Drive by B.Sc C.Sc. Students.
Rs.10000/-to a student suffering with blood cancer		Delivered lecture on "Computer Awareness" to the students of different schools	Voters' Card Drive and ASER Survey by B.Sc C.Sc. Students.
Rs 3100/- to Gau Shala at Haridwar			Students participated in emergency Blood Donation at Sanjeevani Blood Bank, Ambala Cantt.
Rs. 5000/- to the victim of blood cancer in Tohana			Students participated in Traffic Awareness Campaign.
Rs. 2000 to one year old girl Prachi(victim of blood cancer)			Students participated in Red Ribbon Express
Computer books to 50 Poor students			Students participated in National Cycle Rally on 'Save Water, Save Earth'
Distributed Computer and drawing books to 60 students			

35. SWOC analysis of the department and Future plans:

Strengths

1. Number of traditional, Skill Development training and Skill based Add on Courses are being run by Computer Department
2. Skill development centre run by department.
3. Large numbers of students are enrolled in the courses run by department.
4. Well equipped departmental library.
5. Department has fully equipped 09 Computer labs with modern teaching aids.
6. Students of the dept. are placed in reputed MNC's like Wipro, IBM Daksh, Infosys, Cognizent, Xperia Technologies, Samsung, Genpact, TCS, Accenture etc.

Weakness:

1. No regular staff.
2. Lack of Research Activities.

Opportunities:

1. Department provides interaction and collaboration with industry to equip students with practical knowledge to meet needs of industry.
2. To prepare students to become entrepreneurs.

Challenges:

1. To modernize the curriculum to suit the need of industry and competitive examinations
2. Personality development of the students keeping in view global demands

Department of Economics

1. **Name of the department:** Economics

2. **Year of Establishment:** Since the inception of the college

3. **Names of Programmes / Courses offered (UG& PG).**
   - UG Level: Economics in BA I , II , III
   - PG Level: M.A Economics

4. **Names of Interdisciplinary courses and the departments/units involved**
   NIL

5. **Annual/ semester/choice based credit system (programme wise):**
Semester

6. **Participation of the department in the courses offered by other departments:**
   - Micro & Macro Economics in B.Com. I.
   - Managerial Economics in B.B.A I.
   - Indian Economics Policy in B.Com. III
   - Managerial Economics in M.Com.

7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** NIL

8. **Details of courses/programmes discontinued (if any) with reasons:**
   NIL

9. **Number of Teaching posts:**

Teaching Post	Sanctioned	Filled
Asst. Professor	**01**	**01**
Asst. Professor(Temporary)	**03**	**03**

10. Faculty profile with name, qualification, designation, specialization,

Name	Qualification	Designation	Specialization	Experience
Dr. Harvinder Kaur	M.A., Ph.D.	Assistant Professor	Macro Economics	12Years
Ms. Arti Sharma	M.B.E., M.A., M.Phil., NET, B.Ed (Pursuing Ph.D.)	Assistant Professor	Quantitative Methods & Econometrics	9 Years
Dr. Anita Kumari	M.A., B. Ed, Ph.D. Diploma in Computer Applications	Assistant Professor	Environmental Economics &Micro Economics	2 years

Mr.Anil Kumar	M.A., M.Ed.	Assistant Professor	Economics of Development &Planning	1 Year

11. List of senior visiting faculty NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

Year	Total Workload (TWL)	TWL of Permanent Faculty	Lectures delivered by Temporary Faculty	
			No. of lectures	Percentage
2015-16	**114**	**21%**	**90**	**79%**

13. Student -Teacher Ratio (programme wise):

Level	Student –Teacher Ratio
UG	22:1
Post graduate	13:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled ` NIL

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Qualification	Ph D	M. Phil	PG
No. of Faculty	02	01	01

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:

- **National Agency:** Dr.Harvinder Kaur, Assistant Professor, Minor Project (2016-17) funded by UGC.

17. **Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:** Nil

18. Research Centre /facility recognized by the University: NIL

19. Publications:

	Papers			Books		Total Publications	Impact Factor
	International	National	Proceedings	Book Edited	Chapters in Book		
Dr. Harvinder Kaur	02	02	-	-	-	04	-
Arti Sharma	02	-	-	-	01	03	-

Dr. Anita Kumari	02	-	-	00	01	03	-
Anil Kumar	-	-	-	-	-	-	-

20. Areas of consultancy and income generated NIL

21. Faculty as members in
a) National committees b) International Committees c) Editorial

Dr. Anita Kumari	1. Member of Rajasthan Economic Association. 2.Member of Air Force Welfare Association

22. Student projects

a) **Percentage of students who have done in-house projects including inter departmental/programme:** NIL

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies NIL

23. Awards / Recognitions received by faculty and students

- Manjeet Singh,Vandana & Deepali Garg (Students of P.G. Economics) got second prize in Quiz contest held at S.A. Jain College, Ambala City in the session 2015-16.

24. List of eminent academicians and scientists / visitors to the department:

- Prof. Lakhvinder Sngh Gill, Dept. of Economics, Pbi University, Patiala
- Dr. T.R.Kundu, Chairman, Dept. of Economics, KUK
- Dr. Ravi Kiran, Thapar University, Patiala
- Dr. Archana Chuaudhary, Asst. Prof, Dept. of Economics, KUK
- Prof. Parmod Aggarwal, Dept. of Economics, Pbi. University, Patiala
- Dr. Virender Pal, Asst. Prof, Dept. of Economics, D.A.V. College, Cheeka
- Dr. Manisha Sharma, Asst. Prof, Dept. of Economics, Pbi University, Patiala
- Dr. Anuj Kumar, Scientist, NDRI, Karnal
- Dr. Bhim Singh, Kurruksherta University, Kurukshetra
- Dr. Ashok Chauhan, Kuruksherta University, Kurukshetra
- Dr. Hemlata Sharma, Kurukshetra, University, Kurukshetra
- Dr. Surender Sharma, D.A.V College, Pehowa

25. Seminars/ Conferences/Workshops organized & the source of funding:

a) National: UGC Sponsored two days National Seminar on "Issues of Food Security in India" in the session 2015-16.

b) International: NIL

26. Student profile programme/course wise:

Name of the Course/programme	Appeared	Pass	Enrolled		Pass percentage
			*M	*F	
B.A.III (2014-15)	25	19	4	21	76%
M.AII (2014-15)	10	3	-	10	30%

*M = Male *F = Female

27. Diversity of Students:

Name of the Course	% of students from the same state	% of students from other States
UG	96.6	3.4
PG	93.4	6.6

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Session	Type of Exam	No of Students
2011-12	NET-JRF	**02**
2012-13	IBPS/ Defence Service	**06**
2013-14	B.Ed	**03**
2014-15	IBPS/B.ED	**04**

29. Student progression

Student Progression (%age)	2011-12	2012-13	2013-14	2014-15
UG to PG	5	12	11	5
PG to M.Phil.	Nil	Nil	Nil	Nil
PG to Ph.D.	Nil	Nil	Nil	Nil

30. Details of Infrastructural facilities:

a) Library

No. of books with Economics title	Total no. of Books	Journal/ Magazine	Newspapers	E- Resources
1620	2421	07	04	More than a 1000

b) Internet facilities for Staff & Students:

Fully Wi-Fi Campus for teachers and students.

c) Class rooms with ICT facility: Audio -Visual room for students.

d) Laboratories: Internet lab for teachers & students.

e) Departmental Infrastructure: Desktop: 01 **Laptop:** 01 **Printer:** 01

31. Number of students receiving financial assistance from college, university,Government or other agencies:
As per details given in the main SSR.

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts:

Session	Type of Activity	Guest
2011-12	• Freshers' Party • Group Discussion	-
2012-13	• Educational Visit to Textile Industry, Lalru & Chandigarh	-
2013-14	• Guest Lecture • Trip • Declamation Contest	• Dr. Archana Chaudhary
2014-15	• Quiz Contest • Trip	
2015-16	• Trip • Guest Lecture • Guest Lecture • A Visit to Military Dairy Farm. • Participation of Students in Quiz Contest in Other Colleges.	• Dr. Ravi Kiran, Thapar University, Patiala • Dr. Virender Singh D.A.V.College, Cheeka

33. Teaching methods adopted to improve student learning:

- Lecture Method
- Discussion Method
- Audio-Visual Method
- Question Answer Method
- Educational Visit

34. **Participation in Institutional Social Responsibility (ISR) and Extension activities:**

Type of Activity	Organized by	No. of students participated
Blood Donation	NSS	20
Swacchta Abhiyan & Awareness	NSS	15
Poster Making on social themes	Various Associations of the College	10
Independence Day & Republic Day Parade	NCC	9

35. SWOC analysis of the department and Future plans

STRENGTHS:

- Well qualified young Staff
- Post-graduation available

WEAKNESSES:

- Less Strength in P.G class
- Lack of permanent faculty
- Less research output

OPPORTUNITIES:

- On Line E-Resources
- Time to time FDP is available in the College
- Guest/ Extension lectures organized regularly
- Field visits/ Industrial visits undertaken by the students

CHALLENGES:

- Lack of Permanent Staff leads to less PG strength
- Less industry in the region provides lesser exposure to students

Department of Electronics & IT

1. **Name of the Department:** Department of Electronics & IT
2. **Year of Establishment:** 1981
3. **Name of Programs:** I. UG: B.Sc. (Electronics/ IT)
   II. PG: M.Com (IT)
4. **Name of Interdisciplinary courses and the departments/units involved:**

Course	Collaborating Departments
M.Com (IT)	Department of Electronics & IT, Commerce & Mgt, Comp. Sc. & App
Certificate Course in Computer Maintenance (CCCM)	Department of Electronics & IT, Comp. Sc. & Applications

5. **Annual/ semester/choice based credit system (program wise):**

S.No.	Course / Subject	Annual/ Sem
1.	B.Sc.(Electronics/ IT), M.Com(IT)	Semester
2.	CCCM(Certificate Course in Comp. Maintenance	Annual

6. **Participation of the Department in the courses offered by other departments:**

i. Logical Organization of Computer in BCA Sem-I & B.Com (CAV) Sem-I
ii. BC(VOC)-105 :Fundamentals of Comp
iii. Computer Awareness Level (CAL)-1 in UG
iv. On the Job Training (OJT) in B.Com (CAV) in Sem-V

7. **Courses in collaboration with other Universities, foreign institutions, etc.:** NIL
8. **Details of courses/programmes is continued (if any) with reasons:** NIL
9. **Number of teaching posts:**

]

Teaching Post	Sanctioned	Filled
Associate Professors	01	01
Assistant Professor (Contractual)	06	06

10. **Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil.)**

Name	Qualification	Designation	Specialization	Exp (inYrs
Dr. Rajinder Singh	M.Sc (Physics), M.Phil, Ph. D.	Principal	Solid State Physics, Electronics, Microprocessor	30

Praveen Mathur	M.Sc. (Hons. Physics)	Associate Prof.	Electronics & Solid State Physics	35
Shilpa Gogia	M. Tech (ECE), M.Sc.(Electronics), PGDCA	Assistant Prof.	VLSI	12
Palwinder Singh	B. Tech, M. Tech , NET	Assistant Prof.	Electronics & Communication	7
Harleen Kaur	M.C.A , M. Tech GATE	Assistant Prof.	Programming in C, C++ and Data Base	4
Mandeep Kaur	M.Sc.(IT), M.C.A	Assistant Prof.	Microprocessor, Dot Net, Artificial Intelligence	4
Tanvi Grover	M.C.A	Assistant Prof.	Artificial Intelligence	4
Magandeep Kaur	M.Sc.(Electronics)	Assistant Prof.	VLSI, MEMS (Micro-Electro-Mechanical Systems)	4 months

11. List of senior visiting faculty: NIL

12. Percentage of lectures delivered and Practical classes handled by temporary faculty:

Class	Theory	Practical
B.Sc.(Electronics)	66.67%	66.67%
B.Sc.(Hons)-IT, CCCM	100%	100%

13. Student -Teacher Ratio (programme wise):

Class	Teacher: Student
B.Sc.(Electronics)	20:1
B.Sc.(Hons) IT	25:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

Staff	Sanctioned	Filled
Lab Staff	02	02
Lab Staff(Contractual)	01	01

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG:

Ph. D: 01 **PG: 07**

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:

Session	Minor/Major Project	Name of the project	Funding Agency	Duration (Months)
2015-16	Ongoing Minor Project	Estimation of Natural Radio activity around Limestone Mining areas in Lesser Himalayan Regions in Himachal Pradesh	UGC	18

17. Departmental projects funded by DST-FIST, UGC, DBT, ICSSR and total grants received:

Projects under UGC Scheme of BSR (Basic Science Research)

Session	Funding Agency	Amount Received (in Rs.)	No. of Students
2012-13	UGC, New Delhi	30,000/-	06
2015-16	UGC, New Delhi	30,000/-	06

18. Research Centre /facility recognized by the University: NIL

19. Publications:

Sr. No.	Publications	Total
1	Paper published in International Journals	27
2	Paper published in Proceedings	18
3	Books Edited	05

Books Edited:

SNo	Title	Name, Individual / Co-Author	Year	Name of Publisher ISBN/ISSN number
1	Emerging Trends in Nanotechnology	**Dr. Rajinder Singh/ Parveen Mathur, Co-Authors**	2011	Daksh Associates ISBN-13-978-81-921380-9-1
2	Emerging trends in Computer Industry	**Dr. Rajinder Singh, Editor**	2012	Parkash Computers Art ISBN-978-81-92-1380-6-0
3	Computational Sanskrit: Issues & Challenges	**Dr. Rajinder Singh, Editor**	2013	Mahajan Enterprises ISBN-978-93-82529-03-3
4	Introduction to Computer Awareness	**Dr. Rajinder Singh, Co-Author**	2014	Luxmi Publishing House

6	Strategic Role of Information Technology in Empowering Commerce	**Parveen Mathur, Editor**	2016	Mahajan Enterprises ISBN-978-93-82529-06-4

Citation Index Dr Rajinder Singh- 21
***SNIP** NIL

***SJR** NIL

***Impact factor** Average 1.86

***h-index** NIL

20. Areas of consultancy and income generated: NIL

21. Faculty as members in National/ International Committees/ Editorial Board:

Name	Committee/Editorial Board
Dr. Rajinder Singh	i. Member, UG Board of Studies 2012-14.
Prof. Praveen Mathur	i. Member Faculty of Science, KUK ii. Member UG Board of Studies in Electronics, KUK iii. Convener, Syllabi Modification/Draft Committee of UG Board of Studies in Electronics & IT, KUK for the following subject/program: **a)** Electronics subject in B.Sc.(Sem.-I,II,III,IV,V,VI) b) B.Sc.(Hons) IT (Sem.-I,II,III,IV,V,VI)

22. Student projects:

a) Percentage of students who have done in-house projects including inter departmental/programme (2015-16)

Sr.No	Class	Total	Percentage
1.	B.Sc. Electronics-	60/190	31.57
2.	B.Sc.(Hons)-IT III	37/114	32.45
3.	CCCM	12/12	100

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: NIL

23. Awards / Recognitions received by faculty and students:

Session from 2011 to 2016

Awards/ Recognition	Session from 2011 to 2016				
	Univ. Position	Distinction	NCC/ NSS	ZYF	YRC
No. of Students	52	187	18	13	06

Details of University Position Holders:

SNo.	Session	Student Detail		Award (Univ.Position)
		Name	Class	
1		Prerna Bansal	B Sc.(IT) Sem I,II	**I,III**
3		Anushree Lamba	B Sc (IT) Sem III	**II**
4		Charul Aggarwal	B Sc (IT) Sem I	**II**
5		Nidhi	B Sc (IT) Sem III	**III**
6		Monika Chachinda	B Sc (IT) Sem I,II	**IV,VIII**
8		Mandeep Singh	B Sc (IT) Sem V	**IV**
9		Ashish Sood	B Sc (IT) Sem VI	**IV**
10		Parveen Kumar	B Sc (IT) Sem II	**V**
11		Renu	B Sc.(IT) V,VI	**V, VI**
13	**2011-12**	Rashmi Kumari	B Sc (IT) Sem III	**VI**
14		Shivani Saini	B Sc (IT) Sem III	**VII**
15		Shivang Chopra	B.Sc.(IT) Sem V,VI	**VII,VIII**
17		Suparna Adhikary	B Sc (IT) Sem I	**VIII**
18		Amanpreet Kaur	B Sc (IT) Sem VI	**X**
19		Nidhi Gupta	B Sc (IT) Sem V	**X**
20		Amanpreet Kaur	B Sc (IT) Sem VI	**X**
21		Surbhi Rani Gupta	B Sc (IT) Sem III	**X**
22		Nishu	B.Sc.IT Sem. II	**I**
23		Sagar	B.Sc.IT Sem. II	**I**
24		Nidhi	B.Sc. IT Sem VI	**II**
25		Shivani Saini	B.Sc. IT Sem VI	**III**
26		Geeta Rani	B.Sc. IT Sem IV	**III**
27		Prateek Jain	B.Sc.IT Sem.II	**III**
28		Anushree Lamba	B.Sc. IT Sem VI	**IV**
29		Charul Aggarwal	B.Sc. IT Sem IV	**IV**
30	**2012-13**	Akash Sahu	B.Sc.IT Sem.II	**IV**
31		Surbhi Gupta	B.Sc. IT Sem VI	**V**
32		Prerna Bansal	B.Sc. IT Sem IV	**V**
33		Dikshant	B.Sc.IT Sem.II	**V**
34		Rashmi Kumari	B.Sc. IT Sem VI	**VI**
35		Jitender Kumar	B.Sc. IT Sem VI	**VII**
36		Sherry	B.Sc.IT Sem.II	**VII**
37		Anchal Pandey	B.Sc.IT Sem.IV	**IX**
38		Vishwas	B.Sc. IT Sem VI	**X**

39		Aashu	B.Sc.IT Sem.III	**X**
40		Khushboo	B.Sc.IT Sem.III	**X**
41	**2013-14**	Nidhi	B.Sc. IT Sem VI	**II**
42		Swati Gupta	Mcom(IT) Sem.II	**II**
43		Alka Kanojia	Mcom(IT) Sem.II	**II**
44		Geeta Rani	B.Sc.IT Sem.IV	**III**
45		Shivani Saini	B.Sc. IT Sem VI	**III**
46		Charul Aggarwal	B.Sc.IT Sem.IV	**IV**
47		Anushree Lamba	B.Sc. IT Sem VI	**IV**
48		Prerna Bansal	B.Sc.IT Sem.IV	**V**
49		Surbhi Rani Gupta	B.Sc. IT Sem VI	**V**
50		Rashmi Kumari	B.Sc. IT Sem VI	**VI**
51		Jitender Kumar	B.Sc. IT Sem VI	**VII**
52		Vishwas	B.Sc. IT Sem VI	**X**

***Note: From Session 2013-14 onwards University has stopped declaring Merit Positions**

24. List of eminent academicians and scientists / visitors to the department:

SNo.	Name	Designation
1.	**Dr. Rajender Nath Singh**	Chairman, DCSA, KUK
2.	**Dr. Anurekha Sharma**	Chairman, Department of Electronics, KUK
3.	**Dr. Virender Singh Kundu**	Assistant Professor, Dept. of Electronics, KUK
4.	**Dr. Munishwar Rai**	Associate Professor, MCA Department, Mullana
5.	**Dr. Sanjay Tyagi**	Asst Professor, DCSA, KUK
6.	**Dr. Anil Vohra**	Dean of Sciences, KUK
7.	**Dr. Ashwani Kush**	Head, Dept of Comp. Sc, UC, KUK
8.	**Dr. Anil Pundir**	Registrar, GJU S&T, Hisar
9.	**Dr. P. K. Mehta**	Director, AIMT, Ambala City

25. Seminars/ Conferences/Workshops organized & the source of funding:

Date	Title	Topic	Funding Agency
March 10, 2012	One day National Seminar	Emerging Trends in Computer Industry	UGC, New Delhi
Dec 20-21,2013	Two days National Conference	Computational Sanskrit - Issues and Challenges	DHE

March 16,2016	One day National Seminar	Strategic Role of Information Technology in Empowering Commerce	UGC, New Delhi

26. Student profile programme/course wise:

Session	Name of the Course/programm	Applications Received	Selected	Enrolle		Pass %
				M	F	
2011-12	Electronics subject in B.Sc.	90	54	33	21	**15**
	B.Sc. (Hons) –IT	42	31	17	14	**50**
	CCCM	17	17	15	02	**100**
2012-13	Electronics subject in	90	65	38	27	**35**
	B.Sc. (Hons)-IT	52	47	33	14	**61.29**
	M.Com(IT)	20	14	01	13	**---**
	CCCM	35	35	22	13	**100**
2013-14	Electronics subject in	110	86	45	41	**26.31**
	B.Sc. (Hons)-IT	54	46	27	19	**53.85**
	M.Com(IT)	20	18	03	15	**---**
	CCCM	35	35	21	14	**100**

27. Diversity of Students:

Name of the Course	% of students from the same state	% of students from other States
B.Sc(Hons)-IT	100%	0
M.Com(IT)	100%	0
CCCM	100%	0

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

S. No.	Exam	No. of students
1.	Defense/ CDS	**06**
2.	NET	**02**
3.	HTET/CTET	**01**
4.	Merchant Navy	**01**
5.	Clerical & Other	**04**
	Total	**14**

29. Student progression:

Student progression	Against % Enrolled				
	2011-12	2012-13	2013-14	2014-15	2015-16
UG to PG	74.11	81.37	77.23	76.63	62.79
Employed Through Campus Selection	7.06	4.46	3.57	2.05	15.57
Employed through Off Campus selection	1.25	5.25	1.78	4.65	6.12
Entrepreneurship/Self-employment	17.58	8.92	17.42	16.67	15.52

30. Details of Infrastructural facilities:

a) Library:

Library	No. of Books	No. of Titles
Central	3632	1812
Departmental	186	186

b) Internet facilities for Staff & Students:
Wifi Campus (Leased lines –BSNL: 02Mbps, AIRTEL: 20 Mbps).

c) Class rooms with ICT facility: 01

d) Laboratories:

i) Electronics Lab: 02 (One Lab with ICT facilities)

ii) Computer Lab: 01 (With ICT Facility)

31. Number of students receiving financial assistance from college, university,Government or other agencies:

Agency	Nature of Financial Assistance	No. of Students				
		2011-12	2012-13	2013-14	2014-15	2015-16
College	S.D.College, Ambala Cantt	35	33	21	27	29
Sponsor	Private Scholarship	----	06	----	----	----
Haryana Govt.	SC/ST Scholarship	----	08	----	08	----
	BC/OBC Scholarship	----	13	----	----	05

32. Details on student enrichment programmes (special lectures/ workshops /Seminar) with external experts:

Date	Title	Topic	Resource Person / Organised By	Student participation
Oct 30, 2011	**Workshop**	Cyber Security and Ethical Hacking	Appin Technologies	200
Feb 28,2012	**IT Fest**	IT Talent Hunt	Department of Comp. Sc. &	150

			App	
March 02, 2014	**Workshop**	Android App Development	In Collaboration with IIT Bombay	60
Sep 16,2014	**Workshop**	Personality Development, Soft Skills & Career Awareness	Dr. Sushil Kansal	120
Feb 9-10, 2015	**Two Day Workshop**	Digital Marketing, SEO	Xperia Technologies	102
Feb 16,2015	**Workshop**	PD, Soft Skills & Career Awareness	Dr. Sushil Kansal	26
Feb 25,2015	**IT Fest**	INNOVATION-2015	Electronics & IT Association	90
Sep 29,2015	**IT Fest**	TECHNOVANZA-2015	Electronics & IT Association	100
Oct 21,2015	**Extension Lecture**	Basic Electronics Communication & PCM	Dr. Virender Kundu, Dept of Electronics Science, KUK	80
Jan 21,2016	**Extension Lecture**	Memory Management	Dr. Sanjay Tyagi, Dept. of CSA, KUK	90
Jan 25,2016	**Extension Lecture**	Fiber Optic Cables	Dr. Munishwar Rai, Dept of CSA, Mullana	80
Feb 2, 2016	**Extension Lecture**	Types of Fiber Optic Cables	Dr. Munishwar Rai, Dept of Comp Sc & App, Mullana	90
Feb 25,2016	**Inter College IT Fest**	UDAAN-2016	Electronics & IT Association	200
Mar 1-31, 2016	**Training Program**	Optical Fiber	Rajbeer, Saurabh Arora	120
Mar13, 2016	**Trip**	Educational Trip to Dehradun	Electronics & IT Association	100
Aug 8-14,2016	**PPT**	PPT for students (Class Activity)	Class Incharges	170
Aug 31, 2016	**IT Fest**	TECHNOVANZA-2016	Electronics & IT Association	120

33. Teaching methods adopted to improve student learning:

i. Chalk Board Method
ii. Power Point Presentations by the faculty
iii. Seminars
iv. Workshops
v. Experimental Learning

vi. Field based Learning
vii. Remedial Coaching Classes
viii. Extra Curricular Activities through Electronics & IT Association like-Quiz, Powerpoint Presentation, Poster/Collage Making, Logic Master, E-painting, Aptitude Test etc.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

i. Donated Rs. 3100 for Cancer treatment of a Student of Class B.Com (CAV).
ii. Donated Rs. 2100 for Uttrakhand Relief Fund.

35. SWOC analysis of the department and Future plans:

STRENGTH	• Competent Faculty • Generation of E-Content • Preparation of Practicals related Study Material for Students • Extension Lectures by Expert Visiting Faculty • Academic support activities throughout the session like-Logic Quest, Brain Strom etc. • Counseling of students by Tutor • Active participation in Seminars, Workshops etc. • In house Students project • Extra Classes and Frequent Class Test
WEAKNESS	• Less Contribution towards R&D • Less Field Visits • Less flexibility in University Curriculum • Rural students have comparatively less problem solving and Job specific competencies due to meager resources and Infrastructure.
OPPORTUNITIES	• Optimum utilization of resources and Infrastructure to bridge the gap between University Curriculum and Market & Society requirement. • To develop suitable modules In-house to raise the status to Center of Excellence and Nodal Center to provide consultancy to others.
CHALLENGES	• To avail the opportunities and overcome the weaknesses as above. • Teaching Methodology is to be Enhanced and Updated to meet the following requirements in students: o To orient the students to develop problem solving and Job specific competencies o To develop Technical & Communication Skills o To Enhance Self Learning Capabilities o To develop Scientific Temperament o To Orient towards Quality Research work

Department of English

1. **Name of the department:** English

2. **Year of Establishment:** Since the inception of the College

3. **Names of Programmes/Courses offered:**

UG-Level
English Compulsory in B.A.-I, II, III
English Honours

PG-Level
M.A. in English

4. **Names of Interdisciplinary courses and the departments/units involved:**
NIL

5. **Annual/ semester/choice based credit system (programme wise):**
   - All Programs have Semester System

6. **Participation of the department in the courses offered by other departments:**

   - English in / B.Sc.-I (Med/ Non-Med/ Electronics/ CAV/ H. Sc. / C. Sc/ I.T.)
   - Business Communication Skills in B.Com, Semester-I
   - English in BBA, Semester –II & III
   - Communicative English in BCA

7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** NIL

8. **Details of courses/programmes discontinued (if any) with reasons:**
NIL

9. **Number of Teaching posts:**

Teaching Post	Sanctioned	Filled
Associate Professors	**05**	**05***
Asst. Professors	**06**	**06**
Asst. Professors (Temporary)	**02**	**02**

*Prof. Anju Gur on Deputation

10. **Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)**

Name	Qualification	Designation	Specialization	Experience	No. of Ph.D. Students guided
Mrs Veena Sharma	M.A, M. Phil.	Asso. Prof.	American Writing	38	NA
Dr Sushil Kansal	M.A, Ph. D	Asso. Prof.	Indian Writing in English	33	NA
Mrs Anju Gur*	M.A, M. Phil	Asso. Prof.	----	---	NA
Dr Alka Sharma	M.A, M. Phil, Ph. D	Asso. Prof.	Indian Writing in English	25	01
Mrs. Harroop Virk	M.A, M. Phil.	Asso. Prof.	16th & 17th Century British Literature	23	NA
Mr. Tajinder Singh	MA, M. Phil	Asst. Prof.	American Fiction	10	NA
Mr. Pankaj Kumar	MA, B. Ed, NET	Asst. Prof.	American Fiction	10	NA
Dr. Satinder Verma	M.A,, M. Phil., Ph. D	Asst. Prof.	American Poetry	14	NA
Dr. Jaideep Chauhan	M.A, M. Phil., Ph. D, PG in Mass Comm. Education, CC in Yoga, Music, German, Comm. Skills & HR, Dip. in German	Asst. Prof.	Indian Writing in English	11	NA
Dr. Sonika Sethi	M.A., M. Phil, Ph. D	Asst. Prof.	Postcolonial Literature & Historical Fiction	12	NA
Mrs. Neetu Bakshi	M.A Eng., M.A Education, M.A Mass Comm., M. Phil.	Asst. Prof.	American Literature	08	NA
Mr Bhim Singh	M. Phil, NET	Asst. Prof.	Indian Writing in English	03	NA
Mr. Devender	M A	Asst. Prof.	British Poetry	01	NA

11. List of senior visiting faculty: NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: Theory: 17.5%

Total Workload	Workload of Permanent Faculty	Workload of Temporary Faculty	%age
268	221	47	17.5

13. Student -Teacher Ratio (programme wise):

S No.	Programme	Student-Teacher Ratio
1.	B. A.	22:1
2.	B.A. (Eng. Hons)	19:1
3.	M.A. (Eng.)	10:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: NIL

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Qualification	No. of Faculty
Ph. D.	05
M. Phil.	06
M. A.	02

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:
01 – Dr. Satinder Verma: Minor Research Project approved by UGC- 2016-17

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received
01 - Dr Sonika Sethi: Minor Research Project submitted to UGC (Grant: Rs. 1.2 lakh)

18. Research Centre /facility recognized by the University: NIL

19. Publications:
a) Publication per faculty

- **Number of papers published in peer reviewed journals:**
- **Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)**
  04

	Papers				Books		Total Publications
	International	National	Proceedings	Impact factor	Book Edited	Chapters in Book	
Dr Alka Sharma	-	01	-	-	02	-	03
Mr. Pankaj Verma	-	02	-	-	-	-	02
Dr. Jaideep	07	01	-		-	-	08
Dr. Satinder Verma	06	01	-	-	01	02	09
Dr. Sonika Sethi	05	-	-	5.32+ 5.22+ 4.287 + 3.36	-	01	06
Ms. Neetu Bala	-	03	-	-	-	-	03
Mr. Bhim Singh	01	03	-	-	-	-	04
Total Publications	19	11	-	4.54	03	03	35

- **Monographs NIL**
- **Chapter in Books 03**
- **Books Edited:** 04 (3 books/ 01 Journal)
- **Books with ISBN/ISSN numbers with details of publishers:** 03

SNo	Title	Name, Individual / Co-Author	Year	Name of Publisher ISBN/ISSN number
1.	Value Framework for Good Governance	Dr. Alka Sharma (ed.)	2011	New Delhi ISBN-978-81-8455-280-5
2.	Revisiting History: Narratives from Past	Dr. Alka Sharma	2011	New Delhi ISBN-978-81-8455-279-9
3.	Comparative English Literature	Dr. Jaideep Chauhan	2016	RBSA Publishers, Jaipur ISBN 978-81-7611-755-5.

- Citation Index **NIL**
- SNIP **NIL**
- SJR **NIL**
- Impact factor **Average 4.54**
- h-index **NIL**

20. Areas of consultancy and income generated:

Faculty	Areas of Consultancy	Target Groups	Type of Consultancy
Dr. Sushil Kansal	• Stress Management • Time Management • Leadership Skills • Communication Skills • RTI Act, 2005 • Organizational Skills	▪ Educational Institutions ▪ Corporate Houses ▪ Voluntary Organizations ▪ Government Sector ▪ Private Sector	Non-remunerative

21. Faculty as members in
a)National committees b) International Committees c) Editorial Boards…

Faculty	Association
Mrs. Veena Sharma	• Member, UG Board of Studies, KUK (2011-13) • Member, PG Board of Studies, KUK (2011-13) • Member, Common Syllabi Committee, KUK & MDU, Rohtak (11-12) • Member, Indian Association of American Studies
Dr. Sushil Kansal	• Member, Vidyalaya Management Committee, KV3, A/Cantt • Member, Vidyalaya Management Committee, KV4, A/Cantt • Member, National Digital Library
Dr Alka Sharma	• Member, Academic Council, KUK • Member, Admissions Committee, KUK • Member, Committee for Practical Examiners & Flying Squad, KUK • Member, MELOW MELUS • Member, Indian Society for Buddhist Studies • Member, Indian Society for Commonwealth Studies.
Dr. Jaideep Chauhan	• Member, NSS Advisory Committee, KUK (11-12) • Member, NSS Merit Certificate Committee, KUK (11-12) • Member, University Panel for External Examiners, CCS University, Meerut, since 2014. • Member, University Panel for External Examiner, KUK, since 2014. • Member, MELOW MELUS • Member, British Council of India, New Delhi. • Member, Shakespeare Association of India • Member, Indian Society for Commonwealth Studies.

	• Member, Multi-Ethnic Literature of the World
Dr. Satinder Verma	• Member Editorial Board – Bulletin of Indian Society and Culture: A Peer Reviewed Inter Disciplinary International Research Journal (ISSN-2395-3748)
Dr. Sonika Sethi	• Associate Editor, International Journal of Humanities and Social Sciences Research. • Assistant Editor, International Journal of English Research • Member, Editorial Board. International Journal of English and Literature. • Member, National Digital Library • Member, Shakespeare Association of India

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme. Nil

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies. N. A.

23. Awards / Recognitions received by faculty and students:

Awards received by the faculty:

- **Dr. Sushil Kansal —** Honoured as Star Blood Donor by the Transfusion Department, PGI, Chandigarh for donating blood 63 times.
- **Dr. Jaideep Chauhan —**
  - Awarded as Best Programme Officer by Hon'ble Minister of Youth Affairs and Sports Sh. Ajay Makan, at Republic Day Parade Camp – 2012, organized at Jawahar Lal Nehru Stadium, New Delhi.
  - Awarded as Best Group Leader by Wing Commander SKJ. Nair, Director, National Adventure Foundation at National Adventure Programme in Kerela in Jan. 2011.
  - Awarded as Best Counsellor by ADC Ambala, Ms. Monika Malik in Feb. 2016.

Recognition of the students:

- 25 Distinctions in last five years.
- Second Prize in State level Quiz organized by RKSD, Kaithal on 11 Feb 2016.

24. List of eminent academicians and scientists / visitors to the department:

- Dr Andrew W. Hay, Jindal Global University, Sonepat.
- Prof. Loveleen Mohan, Dept. of English, MDU, Rohtak
- Prof. Dinesh Kumar, Dept. of English, KUK
- Ms. Ridhima Kapoor, Professional Trainer, Career Creators, Chandigarh

25. Seminars/ Conferences/Workshops organized & the source of funding

a) **National-** NIL
b) **International-** NIL

26. Student profile programme / course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.A. (Gen) 12-13	334	166	106	60	67%
B.A. (Hons) 12-13	52	22	04	18	100%
M.A.(13-14)	24	11	0	11	82%
M.A.(14-15)	23	11	02	09	82%

*M = Male *F = Female

27. Diversity of Students (16-17):

Name of the Course	% of students from the same state	% of students from other States
B.A.(Gen)	96.7	3.3
B.A. (Hons)	98.1	1.9
M.A.	100	---

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

- **2012-13**

1. Seema Rani CTET
2. Pallavi Jha CTET, HTET (PG)
3. Alka Saini CTET, HTET (PG)

- **2013-14**

1. Himani CTET
2. Kartikeya Sharma Bank PO

29. Student progression

Student	2011-12	2012-13	2013-14	2014-15	2015-16
UG to PG (B. A.)	30	30.3	13.6	15.3	4.3
UG to PG (B. A. Eng. Hons)	71.4	37.5	63.6	52.6	60
PG to M.Phil.	Nil	Nil	Nil	Nil	Nil

PG to Ph.D.	Nil	Nil	Nil	Nil	Nil
Employed **• Campus selection** **• Other than campus**	---	---	---	---	---
	57	50	27.3	5.2	20
Other than campus recruitment (B.A.)	21.2	38.6	19	12	13
Other than campus recruitment (PG)	---	36.8	42.8	54.5	33.3
Entrepreneurship/ Self-employment (B.A. Eng. Hons.)	---	0.05	0.04	5.2	---
Entrepreneurship/ Self-employment	14.4	9.5	9.0	3.4	10.7

30. Details of Infrastructural facilities

a) Library: The Central Library of the college has about 7,682 titles on English Language, Literature and Communication Skills.

b) Internet facilities for Staff & Students:

- The entire campus is Wi-fi which allows both faculty & students free Internet facility.
- The Department has a Desktop with LAN facility.
- 1 Laptop is also available with the department.

c) Class rooms with ICT facility: NIL

d) Laboratories The department a fully equipped Language lab with ICT facilities and Language Software

31. Number of students receiving financial assistance from college, university, government or other agencies:

Financial assistance received from College (EWS/FFC/HFC/BPL/FFM/Sports/EWS)

2011-12		2012-13		2013-14		2014-15		2015-16	
No.	**Amount**	**No.**	**Amount**	**No.**	**Amount**	**No.**	**Amount**	**No**	**Amount**
182	1,21,902	155	1,87,659	105	1,24,214	82	1,24,056	98	1,71,085

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts:

- Paper Reading Contest on 4 March 2014.
- Extension Lecture by Dr Andrew W. Hay from Jindal Global University, Sonepat on 24 March 2015.
- Extension Lecture on "Poetry and Literature" by Prof. Dinesh Kumar on 11 Feb 2012

- "Creative Writing Workshop in English" from 11-14 Sep. 2015
- "Spell Bee Competition" for students of English.
- Tour to Jaipur, Fatehpur Sikri & Agra from 15-19 March 2016.
- Workshop on Communication Skills and Personality Development by Ms. Ridhima Kapoor, Professional Trainer, Career Creators, Chandigarh on 10 Sep 2016.
- Essay Writing Competitions on various topics
- Extension Lecture on "Literary Criticism and History of English Literature" by Prof. Loveleen Mohan, MDU, Rohtak on 26 Sep 2016.
- Trip to Kasauli on 23 Sep 2016.

33. Teaching methods adopted to improve student learning:

- Traditional Chalk & Board Method
- Lecture Method
- Power Point Presentations both by Faculty & Students
- Multimedia aids like Movies/ Dramas/ Documentaries etc.
- Group Discussions
- Regular Classroom Quiz
- Notes uploaded on the CIMS for advanced learners.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

- Students of the Department are actively engaged in various social activities like Cleanliness Drives, Tree Plantation, Rallies etc.

35. SWOC analysis of the department and Future plans:

- **Strength:**
  - Highly Qualified and Experienced Regular Faculty
  - Faculty of the department is involved in major activities of the college
  - The department has a fully equipped Language Lab with ICT facilities
- **Weakness**:
  - Most of the students being from rural background, language poses a huge barrier
  - Syllabi not at par with the dynamic requirements of the society
  - Research activity/ student enrichment needs focus.
- **Opportunities:**
  - English being a cosmopolitan language empowers the students to interact better.
  - Huge demand of English teachers in and around the region.
- **Challenges:**
  - Declining demand of PG course
  - Making ICT based teaching a regular feature with the faculty

- Communication skills of the students pose a major challenge

- **Future Plans:**
  - Conducting Workshops for students on Development of Effective Communication Skills
  - Generation of e-content for advanced learning
  - Conducting coaching classes for NET & other Competitive exams

Department of Hindi

1. **Name of the department:** Hindi

2. **Year of Establishment:** Since the inception of the college.

3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):**

   UG Level

   - Hindi (Compulsory) in BA.
   - Hindi (Elective) in B.A.

   PG Level

   - M.A. (Hindi)

4. **Names of Interdisciplinary courses and the departments/units involved:** NIL

5. **Annual/ semester/choice based credit system (programme wise):** Semester System

6. **Participation of the department in the courses offered by other departments:**

   - Hindi in B.Sc. II as additional subject
   - Communication Skill in BBA-I

7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** NIL

8. **Details of courses/programmes discontinued (if any) with reasons:** NIL

9. **Number of teaching posts:**

Teaching Post	Sanctioned	Filled
Associate Professors	01	01
Asst. Professors	03	03
Asst. Professor (Temporary)	01	01

10. **Faculty profile with name, qualification, designation, specialization:**

Name	Qualification	Designation	Specialization	Exp(in Yrs)
Dr. Vijay Sharma	M.A, M. Phil, Ph. D	Associate Prof.	Upannyas	25
Dr. Saryu Sharma	M.A, M. Phil, Ph. D	Assistant Prof.	Literature	17
Dr. Sandeep Phuliya	M.A, M. Phil, Ph. D	Assistant Prof.	Literature	12

Dr. Leena Goyal	M.A., Ph. D	Assistant Prof.	Literature	18
Dr. Anju Sharma	M.A., Ph. D	Assistant Prof.	Jivani Parak Upannyas	09

11. List of senior visiting faculty: NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

Years	Total Workload (TWL)	TWL of Permanent Faculty	Lectures Delivered of Temporary Faculty	
			No. of Lectures	%age
2015-16	144	118	26	18.06%

13. Student -Teacher Ratio (2015-16):

Programme	Student-Teacher Ratio
UG	**22:1**
PG	**10:1**

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: NIL

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG:

Qualifications	No. of Faculty
Ph. D.	05

16. Number of faculty with ongoing projects from
a) National b) International funding agencies and grants received: NIL

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: NIL

18. Research Centre /facility recognized by the University: NIL

19. Publications:
a) Publication per faculty

Name of Faculty	Papers		Books	Total Publications
	International	National	Book Articles	
Dr Vijay Sharma	0	1	2	3
Dr.Saryu Sharma	0	1	0	1
Dr.Leena Goyal	0	3	0	3
Dr.Anju Sharma	4	2	0	6
Dr. Ritu Gupta	3	3	3	9
Total	**7**	**10**	**5**	**22**

*** Number of papers published in peer reviewed journals (National / International) by faculty: 17**

S.No	Title of Paper/ Year/Month/Volume/Name of Journal/Page Numbers	Refereed /Indexed /Impact Factor
1.	"Sant Shivnarayan ke Shivnarayaniye Sampraday ki Sadhnagat VIshishtta" in "KASHF", **Dr. Vijay Sharma** (July 2010) published by Dr. Vinod Taneja, ISSN. No. 2231-3869,Volume-1, pages 26-28	Refereed Journal
2.	**"Tulsidas ki Adhyatmik Vichardhara"** in international journal **"**Sanskar Chetna", **Dr. Anju Sharma** (June 2014), Published by Dr. Kewal Krishan, ISSN. No.2347-4041 pages 56-58	International Refereed Research Journal
3	**"Mahilao ke Khilaf Atyachar"** in "KASHF", **Dr. Anju Sharma** (July 2014), published by Dr. Vinod Taneja ISSN. No. 2231-3869 pages 147-150	Refereed Journal
4	**"Hindi ko Vishwa – Bhasha Main Vishva Hindi Sammelno ka Samanlachan"** in " Purva Mimansa", **Dr.Anju Sharma** (July 2014), published by Prof.Ashutosh Angiras, ISSN no-09765-0237	Refereed Journal
5.	**"Tulsi ka Kavya Udeshya: Lok Mangal ",Dr.Anju Sharma** (February 2015), Published by Dr.Kewal Krishan, ISSN. No.2347-4041 Page no 58-60	International Refereed Research Journal
6	**"Hindi Baal Satilya:Vartman Sthiti our Sambhawanaye " ,Dr.Anju Sharma** (Oct-Nov 2015), Published by Dr.Kewal Krishan, ISSN. No.2347-4041 Page no 109-110	International Refereed Research Journal
7	"**Sant Kavi Kabir Ka Rehasyavad ",Dr.Anju Sharma** (December 2015), Published by Dr.Kewal Krishan, ISSN. No.2347-4047 Page no 177-181	International Refereed Research Journal
8.	**"Renu" Ke Aanchalik Upnayaso Mein Manvadhikar Chetna"** in "System Thinking and Human Rights an Indian Perspective (Purv Mimansa)", **Dr. Leena Goyal** (2011) published by Prof.Ashutosh Angiras , ISSN No 978-81-921380-5-3	Refereed Journal
9.	**"HariOdh Ke Kavya Ka Shishu Sondarya"** in "Prayas", **Dr. Leena Goyal** published by MDSD College issue No- 2015-16,ISSN No 24557056	Refereed Journal

*** Number of publications listed in International Database**	NIL
*** Monographs**	NIL
*** Chapter in Books**	05
*** Books Edited**	NIL
*** Books with ISBN/ISSN numbers with details of publishers**	NIL
*** Citation Index**	NIL
*** SNIP**	NIL
*** SJR**	NIL
*** Impact factor**	NIL

*** h- index** NIL

20. Areas of consultancy and income generated: NIL

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards

Dr Nand Kishor Sharma

1. Member, Editorial Board of Research Journal 'KASHPH.'
2. Vice- President of Cultural Council, KU, Kurukshetra for 2011-12.
3. Nominated Member, Arts and Language Faculty for a period of two years.
4. Prachar Mantri of Shri Sanatan Dharma Pratinidhi Sabha [Punjab], New Deihi and Sanatan Dharam Mahavir Dal [Punjab].

22. Student projects

a) **Percentage of students who have done in-house projects including inter departmental/programme:** NIL

b) **Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies:** NIL

23. Awards / Recognitions received by faculty and students:

a) **Awards / Recognitions received by faculty:-**

Dr. Vijay Sharma

- Presented Best Teacher Award for her meritorious work in Academics by *Dainik Bhaskar* Newspaper on 30-10-2014.
- Presented Gold Medal for her meritorious work in NCC by Officers' Training Academy, Gwalior.
- Awarded a certificate for displaying Exceptional Talent in Yoga (2014-15)
- Presented Women Achievement Award for her meritorious work in Academics by *Dainik Bhaskar* Newspaper.

Dr. N. K. Sharma

- Conferred with 'Vyas Samman' by Brahman Sabha, Ambala Cantt on 15 July 2011.

b) **Awards / Recognitions received by Students:-**

S.No	Event	Date	Place	No. of Students	Position
1.	Debate	7.2. 2015	G. M. N. College, A/ Cantt	02	3rd
2.	Declamation	5.2. 2015	D. A. V. College, A/ City	02	3rd

3	Declamation/ Poetry	20.2.2015	Chandigarh University	02	3rd
4.	Poetry	28.2. 2015	M. N. College, Shahabad	02	Running Trophy

24. List of eminent academicians and scientists / visitors to the department:

- Dr. Pradeep Snehi, Principal, S.A. Jain College, A/ City
- Dr. N. K. Shrama, Former Head, Department of Hindi, S D College
- Prof. Subhash Saini, Dept of Hindi, KUK
- Dr. Joginder Singh, Senior Sub-editor of "Dainik Tribune"
- Vandana Pandey, HoD, Mass Communication, GJU, Hissar
- Dr. Chaman Lal Gupta, Ex-Chairman, Shimla University, H.P.
- Dr. Babu Ram, Chairman, Dept of Hindi, KUK
- Prof. Lal Chand Mangal, Ex- Chairman, Dept of Hindi, KUK.
- Prof. Meera Gautam, Ex- Chairman, Dept of Hindi, KUK
- Dr. Kam Dev Jha, Principal, D.A.V. College, Pehowa
- Dr. Vishnu Dutt Sharma, Principal, Adarsh Sanskrit College, Ambala Cantt.

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National

- One day National Seminar sponsored by DGHE on 18-12-2013 on the topic "India's Threat Perceptions to Security and War Preparedness."
- Two day National Seminar from 28-03-2014 to 29-03-2014 on the topic "Vishaw Bhasha Ke Roop Mein Hindi."
- One day National Seminar sponsored by Indian Council of Historical Reserch, New Delhi on 27-08-2016 on the Topic "Defining Role of Brahmining & Brahminical Element in Indian History."
- One day seminar sponsored by Vivek Shakha, Bharat Vikas Parishad, Ambala Cantt on 24-10-2015 on the topic "History & Philosophy of Indian Armed Revolution[1857-1947] Part-3"
- Two day seminar sponsored by UGC on the topic "Sathotri Hindi Sahitya Main Manvadhikar Chintan Ke Vividh Aayam" held on 11-12 August 2011
- Three days Workshop sponsored by Hindi Sahitya Academy, Panchkula from 1-3 Oct 2016 on "Hindi Writing Skills"

b) International: NIL

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass Percentage
			*M	*F	
B.A. (2012-13)	334	166	106	60	75%
M.A. (2012-13)	16	15	0	15	100%

*M = Male *F = Female

27. Diversity of Students:

Name of the Course	% of students from the same state	% of students from other States
B.A.(Gen)	96.6	3.4
PG	90	10

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

NET	05
Govt. Job	05
Haryana Police	01
Clerical	01
Total	**12**

29. Student progression:

Student progression	2011-12	2012-13	2013-14	2014-15	2015-16
UG to PG (B. A.)	5	12	11	5	---
PG to M.Phil.	Nil	Nil	Nil	Nil	Nil
PG to Ph.D.	Nil	Nil	Nil	Nil	Nil
Employed • Campus selection	---	---	---	---	---
• Other than campus recruitment (UG)	57	50	27.3	5.2	20
• Other than campus recruitment (PG)	---	36.8	42.8	54.5	33.3
Entrepreneurship/ Self-employment	---	0.05	0.04	5.2	---

30. Details of Infrastructural facilities

a) Library:-
Cenetral College Library hosts 8087 Books, 08 Journals, 07 Magazines and subscription of NLIST-INFLIBNET (e-books & e-journals)

*** Departmental Library:** About 200 books

b) Internet facilities for Staff & Students:
Wi-Fi facility is available for the staff and students with 01 computers and 01 laptops

c) Class rooms with ICT Facility: NIL

d) Laboratories: N.A

31. Number of students receiving financial assistance from college, university, government or other agencies.

2011-12		2012-13		2013-14		2014-15		2015-16	
No.	**Amt**	**No.**	**Amt**	**No.**	**Amt**	**No.**	**Amount**	**No.**	**Amt**
182	1,21,902	155	1,87,659	105	1,24,214	82	1,24,056	98	1,71,085

32. Details on student enrichment programmes (special lectures / workshops seminar) with external experts:

- One day workshop organized by Hindi Sahitya Parishad on the topic "Hindi Bhasha evam Shudh Uchcharan" on September 9, 2014.

- Workshop on Creative Writing in Hindi conducted by Narender Singh Akela Bureau Chief, Danik Bhaskar from 16-22 September , 2013 and 3-7 January 2014

33. Teaching methods adopted to improve student learning:

- Lecture Method
- Lecture –Demonstration method
- Assignment Method
- Project Method
- Inductive – Deductive Method
- PPT
- Quiz

34. **Participation in Institutional Social Responsibility (ISR) and Extension activities:**

❖ The department of Hindi Faculty actively participates in social activities like

- Blood Donation
- Financial contribution to flood/drought relief funds
- Motivational programmes for students
- Personality Development Programmes

❖ Faculty takes part in Tree Plantation & Cleanliness Drives

❖ Maintaining discipline and motivating students towards career awareness.

35. SWOC analysis of the department and Future plans:

❖ Strength:

- Teachers of the department work purposefully, regularly and in a cooperative manner to help the students.
- One of the oldest & reputed departments of the region.
- Highly qualified staff. All the faculty members hold Ph. D.

❖ Weaknesses:

- Hindi is officially our national language but there is no sufficient development of this sector at all levels.
- No proper use of Hindi in office work
- No ICT based classrooms

❖ Opportunities:

- Students can pursue their career in various sectors of society.
- Hindi teachers are in great demand in and around the area.
- In the age of Google, Hindi translators are in huge demand.

❖ Challenges:

- Work hard so that Hindi can achieve its right place in society.
- To enhance the falling strength of the PG course.
- To inculcate a sense of pride in the use of National Language.

❖ Future Plans:

- To generate e-content for Hindi language users
- To make efforts in the direction of better employability opportunities for the students of Hindi.

Department of History

1. **Name of the department:** History

2. **Year of Establishment:** Since the inception of the college.

3. **Names of Programmes / Courses offered:** History in BA I, II & III

4. **Names of Interdisciplinary courses and the departments/units involved:** None

5. **Annual/ semester/choice based credit system (programme wise):** Semester

6. **Participation of the department in the courses offered by other departments:**
   - History as subsidiary subject in English Hons. / Pol. Sc. Hons. / Skt. Hons.

7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** None

8. **Details of courses/programmes discontinued (if any) with reasons:** None

9. **Number of Teaching posts**

Teaching Post	Sanctioned	Filled
Associate Professors	**Nil**	**Nil**
Asst. Professors	**01**	**01**

10. **Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,):**

Name	Qualification	Designation	Specialization	Experience
Dr. Madan Rathi	M.A., M. Phil. Ph.D.	Asst. Prof.	Regional History	04 Years

11. **List of senior visiting faculty:** NIL

12. **Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:** Not Applicable

13. **Student -Teacher Ratio (programme wise):** 22:1

14. **Number of academic support staff (technical) and administrative staff; sanctioned and filled:** NIL

15. **Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.:** As in 10 above

16. **Number of faculty with ongoing projects from a) National b) International**

funding agencies and grants received: NIL

17. **Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:** NIL

18. **Research Centre /facility recognized by the University:** NIL

19. **Publications:**

a) Publication per faculty

Published a research paper titled 'Kuka Movement in Punjab: An Overview' in the Peer-Reviewed *Shodhaytan* with ISSN No. 2349-4190. Vol 1, Issue 2, pages 113-118.

- **Number of papers published in peer reviewed journals (national /international) by faculty and students:** 01
- **Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)**
  NIL
- **Monographs** NIL
- **Chapter in Books** NIL
- **Books Edited** NIL
- **Books with ISBN/ISSN numbers with details of publishers** NIL
- **Citation Index** NIL
- **SNIP** NIL
- **SJR** NIL
- **Impact factor** NIL
- **h-index** NIL

20. **Areas of consultancy and income generated: NIL**

21. **Faculty as members in**
a) **National committees b) International Committees c) Editorial Boards**
NIL

22. **Student projects:**

a) **Percentage of students who have done in-house projects including inter departmental/ programme: N. A.**

b) **Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: N. A.**

23. **Awards / Recognitions received by faculty and students: NIL**

24. **List of eminent academicians and scientists/ visitors to the department:**
- Prof. R. S. Sangwan, Dept. of History, KUK on 19.3. 2014

- Maj. Gen. Anil Kumar Shori, Addl. DG, Army Postal Service, New Delhi on 01.10.2014

25. Seminars/ Conferences/Workshops organized & the source of funding:

a) National-

- One day National Seminar on 09-05-2015 on the topic "Black Holes in Indian History"
- One day National Seminar on 24-10-2015 on the topic "History& Philosophy of Indian Armed Revolution (1857 to 1947) Part – 3".

b) International- NIL

26. Student profile programme/course wise:

Name of the Course/programme	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.A.	50	50	27	23	78

*M = Male *F = Female

27. Diversity of Students:

Name of the Course	% of students from the same state	% of students from other States
B.A. (Gen.)	96.6	3.3

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? NIL

29. Student progression:

Student progression	2011-12	2012-13	2013-14	2014-15	2015-16
UG to PG (B. A.)	30	30.3	13.6	15.3	4.3
Employed • Campus selection	---	---	---	---	---
• Other than campus recruitment (B.A.)	21.2	38.6	19	12	13
Entrepreneurship/Self-employment (B.A.)	14.4	9.5	9.0		

30. Details of Infrastructural facilities:

a) Library: The Central Library has a collection of about 1811 Books on History

b) Internet facilities for Staff & Students:

- The college has provided free Wi-Fi facility for students & staff.
- The Department also has a Laptop, Desktop and a three-in-one Printer/ Scanner/ Copier.

c) Class rooms with ICT facility: NIL

d) Laboratories: Not Applicable

e) Museum: The History department has a Museum of its own with rare collection of ancient coins, Pictures and artifacts related to the culture and history of Ambala District.

31. Number of students receiving financial assistance from college, university, government or other agencies.

As per details provided in the main SSR.

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts.

- Guest Lecture on "Rise and Expansion of Delhi Sultanate" by Prof. R. S. Sangwan, Dept. of History, KUK
- Guest Lecture on "Seven Shades of Rama and the Modern World" by Maj. Gen. Anil Kumar Shori, Addl. DG, Army Postal Service, New Delhi.

33. Teaching methods adopted to improve student learning.

- Lecture Method
- Chalk & Board
- Use of Maps

34. Participation in Institutional Social Responsibility (ISR) and Extension activities.

- Students of B.A. with History as subject participate in all forms of social activities.

35. SWOC analysis of the department and Future plans:

Strength:

- Highly qualified staff
- Oldest History department in the region.
- History Museum

Weakness:

- Lack of Research areas
- Seminars & Guest Lectures not organized frequently

Opportunities:

- Scope of tie-up with National Bodies related to Indian history
- Scope of tie-up with Haryana Govt. for regional history
- Scope of establishment of PG

Challenges:

- Single man department
- Lack of awareness among students about the scope of History

Department of Home Science

1. **Name of the Department:** Department of Home Science

2. **Year of Establishment:** 1973

3. **Name of Programmes / Courses Offered (UG, PG and M. Phil., Ph.D. Integrated Masters, Integrated Ph.D, etc.)**
   - **UG Programs—** B.Sc. Home Science.
   - **Add on Courses—** Cosmetology.

4. **Name of Interdisciplinary Courses and the Departments/Units Involved:** NIL

5. **Annual/Semester/Choice Based Credit System (Programme Wise):**
   UG: Semester **Add-on course:** Annual

6. **Participation of the Department in the Courses Offered by Other Departments:**
   Home Science as a subject in B.A I, II & III

7. **Courses in Collaboration with Other Universities, Industries, Foreign Institutions, etc.:** NIL

8. **Details of Courses/Programmes Discontinued (if any) with Reasons:**
   Home Science as a subject in B.A.

9. **Number of Teaching Posts:**

Teaching Post	Sanctioned	Filled
Associate Professors	01	01
Assistant Professors	01	01
Asst. Professors (Temporary)	01	01

10. **Faculty Profile with Name, Qualification, Designation, Specialization (D.Sc. / D.Litt. / Ph.D / M.Phil. etc.)**

Name	Qualification	Designation	Specialization	Experience
Mrs. Kamlesh Singh	M.Sc., M. Phil	Associate Prof.	Foods & Nutrition	34 Years
Ms. Shreshtha Muraal	M.Sc., NET, Ph. D. (Pursuing), Diploma in Early Childhood Care and Education (ECCE), Certificate course in Caring for Infants and Children with Acute Malnutrition from	Assistant Prof.	Food, Nutrition & Dietetics	3 Years

	International Malnutrition Task Force, **University of Southampton, UK**, Certificate course from **Cornell University, UNICEF** on Programming for Infant and Young Child Feeding Practices.			
Ms. Reetika Pahwa	M.Sc., B. Ed.	Assistant Prof.	Clothing & Textiles	3 years

11. List of Senior Visiting Faculty: NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty-

Name of Course	Session	Total Lectures		Lectures Delivered by Temporary Faculty		Practical's Handled by Temporary Faculty	
		Theory	Practical	No	Percentage	No	Percentage
B.Sc. (H. Sc.)	2015-16	45	36	10	22.22	17	47.22

13. Student -Teacher Ratio (programme wise): 20:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

Post	Sanctioned	Filled
Lab Attendant	01	01

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.:

Faculty Pursuing Ph. D	Faculty with M. Phil	Faculty with M.Sc.
01	01	01

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:

National : Ms. Shreshtha Muraal, Assistant Professor, Minor Research Project (2016- 2017) funded by UGC.

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:

Year	Project	Grant Received	No. of students	Name of the Students
2013-14	BSR	5000/-	02	Palak
				Priyanka
2014-15	BSR	5000/-	02	Chahat Verma
				Reena

18. Research Centre/Facility Recognized by the University: NIL

19. Publication

Name of the Faculty	Papers			Books		Total Publications
	International	National	Proceedings	Books Edited	Chapters in Book	
Mrs. Kamlesh Singh	---	---	---	---	01	01
Ms. Shreshtha Muraal	07	03	00	00	01	11

Sno	Title of paper / Name of the author/ year/month/volume/name of journal/page numbers/ ISSN No.	Refereed/ Impact factor	Listed in Database
1	"Nutritional Quality Assessment and Evaluation of Acceptability of Value Added Flaxseed and Oat Cookies". Vinti Davar and **Shreshtha Muraal** (Sept. 2015) in *Quest International Multidisciplinary Research Journal*. **ISSN- 2278-4497**, Vol.4 (9), pp. 25-30.	*Peer-Reviewed* journal with Impact factor =6.89	Index Copernicus (http://journals.indexxopernicus.com), Google Scholar, Scientific Indexing Services (http:// www.sindexs.org)
2	"Impact of health education on rural adolescent girls of Haryana" Savita Sangwan, Vinti Davar and **Shreshtha Muraal** (Dec. 2014) in *Asian Journal of Home Science*. **ISSN- 0973-4732**, Vol. 9 (2), pp. 431-435.	International Refereed journal with NAAS Rating =2.9	C.A.B. International Abstracts (United Kingdom), Cross Ref. (Boston) etc.
3	"A Comparative Study on Nutrient Contents and Anti-Nutritional Parameters present of Red Gram Dhal cultivated by Organic and Inorganic Farming Methods" **Shreshtha Muraal**, Dr. V. Paul, Dr. Sushma, Dr. S. Srivastava and Dr. V. Davar (Sept. 2014), in *Research Expo International Multidisciplinary Research Journal*. **ISSN 2250-1630,** Vol. 4 (3), pp. 136-139	International Refereed journal with Impact factor = 5.9	Global Impact Factor, Australia (http://www.globalimpactfactor.com), Universal Impact Factor (http://www.uifactor.org), Directory of Research Journal Indexing (http://www.drji.org)

4	"Efficacy of Iron-Folic Acid Supplementation and Nutrition Education on Iron Status of Anaemic School Students of Kurukshetra, Haryana" Vinti Davar and **Shreshtha Muraal** (July 2014), in *Vignettes of Research*, **ISSN: 2320-1797** Vol. 2 (3), pp. 29-34.	International Refereed journal with Impact factor = 5.7	Journal Impact Factor (http://www.israjif.org), Canadian Academic Research Society, Cananda (http://www.impactfactor.net), Scientific Journal Impact Factor (http://www.sjifactor.inno-space.net)
5	"Prospective Study on Nutritional Status of Rural College Girls". Vinti Davar and **Shreshtha Muraal.** (July 2014), in *Golden Research Thoughts*, **ISSN 2231-5063** Vol. 4(1) pp. 1-5.	International double - blind peer reviewed journal with Impact factor = 4.6	CAPES, Pubget, Crossref, New Jour, EyeSource, JournalSeek, sjournals, Scholarly Journals Index, Electronic journals library, Academic Journals Database, Scientific Resources Database, Directory Of Research Journal Indexing
6	"Assessment of Acceptability and Satisfaction of Patients for Government Hospital Diets". **Shreshtha Muraal** and Vinti Davar. (Mar.-Apr.2014) in *IOSR Journal of Nursing & Health Science*. ISSN-2320–1940. Vol. 3(2) pp. 38-40.	Blind Peer Review journal with Impact factor =1.1	NASA ads, CrossRef, ANED (American National Engineering Database) etc, CAS (Chemical Abstract Service), Google Scholar etc.
7	"Utilization of dairy waste for development of orange flavoured whey beverage". V. Paul, Shradha Sinha, **Shreshtha Muraal**, Sarita Sheikh and Ajit Paul. (June 2011). *Asian Journal of Home Science*, **ISSN-0973-4732**. Vol. 6(1), pp. 43-45.	International Refereed journal with NAAS Rating=2.9	CABI (United Kingdom), National Institute of Science Communication and Information Resources Abstracts (New Delhi) etc.
8	"Sensory Characteristics of Red Gram Dal cultivated and Cooked by Different Methods" **Shreshtha Muraal**, Dr. V. Paul, Dr. Sushma,	National Refereed journal with NAAS rating	----

	and Dr. S. Srivastava (Jan. 2014) in *The Allahabad Farmer*. **ISSN 0971-9075**. Vol.69 (2), pp. 57-62.	=3.12	
9	"Comparative Study on Patients' Attitude towards Private and Government Hospital Diets". **Shreshtha Muraal**, Vinti Davar and Shweta Saini. (Nov. 2013) *The Indian Journal of Nutrition and Dietetics*. **ISSN- 0022-3174**.Vol. 50(11), pp. 473-476.	Refereed journal with NAAS rating =3.42	INDmed, J-Gate Plus, I-Scholar etc.
10	"A study on the attributes of thandai prepared by filled milk". V. Pal, **Shreshtha Muraal** and Neelam (Jan. 2013) in *Beverage and Food World*, **ISSN- 0970-6194**. Vol. 40(1), pp. 35-36.	----	----

Sno	Title of Chapter / Name of the author/ year/month/volume/name of journal/page numbers	ISBN No.	Published by
1	"Strengthening Knowledge towards Family life Education in Rural Women in Haryana" Savita Sangwan, **Shreshtha Muraal** and Vinti Davar in *Development Prospects of Life Skills*, pp. 270-275.	978-93-82068-24-2	Women Studies and Development Cell, Govt. College for Girls, Sector-14, Panchkula. Mohindra Publishing House. Chandigarh

- **Citation Index** NIL
- **SNIP** NIL
- **SJR** NIL
- **Impact factor** Average 4.83
- **h-index** NIL

20. Areas of consultancy and income generated:
Ms. Shreshtha Muraal— (Non- Remunerative Consultancy)

- Delivered Lectures to Anganwadi workers (2012) at Food and Nutrition Board, Faridabad under Ministry of Human Resource Development, Govt. of India.
- Regular Visit to Chetna (NGO) at Kurukshetra as a member.

21. Faculty as members in
a) National committees b) International Committees c) Editorial Boards

Name of Faculty	National Committee
Ms. Shreshtha Muraal	• Indian Science Congress Association (ISCA) • Indian Dietetic Association (IDA) • Nutrition Society of India (NSI) • Nutrition and Natural Health Science Association (NNHSA)

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme

Session	Percentage
2013-14	20
2014-15	20

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies

Session	Percentage
2015-16	68

23. Awards / Recognitions received by faculty and student:

SNo.	Title of Award/Recognition	Name of Student	Class	Session
1.	**Create 'O' Mania Talent Hunt, Rotary Club**			
1.a	Slogan Writing	Neha Sharma (First)	B.Sc.(H. Sc) II	2012-13
1.b	Clay Modelling	Palak Anand (Second)	B.Sc.(H. Sc) II	2012-13
1.c	Salad Making	Priyanka (Second)	B.Sc.(H. Sc) II	2012-13
1.d	Best out of Waste	Anjali Sharma (Third)	B.Sc.(H. Sc) II	2012-13
2.	**Inter-college Competition, Arya Girls College**			
2.a	Flower Arrangement	Palak Anand (Second)	B.Sc.(H. Sc) II	2012-13
2.b	Rangoli	Priyanka (Second) & Kajal (Second)	B.Sc.(H. Sc) II	2012-13
3.	**State Level Inter-College competition, S.L. D. A. V. College of Education , Ambala City**			
3.a	Salad- Making	Namrata (Consolation)	B.Sc.(H. Sc) II	2014-15
4.	**Inter-college Competition, Arya Girls College**			
4.a	Salad Making	Tanu (First)	B.Sc.(H. Sc) II	2014-15
4.b	Rangoli	Namrata (Second)	B.Sc.(H. Sc) II	2014-15
5.	**Inter Zonal Youth Festival- Workshop-cum- Competition of Fine Arts,**			

	Arya Kanya Mahavidyalya, Shahbad			
5.a	Clay- Modelling	Himani (Second)	B.Sc.(H. Sc) II	2014-15
5.b	Rangoli	Namrata (Consolation)	B.Sc.(H. Sc) II	2014-15
5.c	Animation	Nisha (Consolation)	B.Sc.(H. Sc) III	2014-15
6.	**Inter-college Competition, Arya Kanya Mahavidyalya, Shahbad**			
6.a	Garment Designing	Neha Rai (Consolation)	B.Sc.(H. Sc) I	2015-16
7.	**State Level Inter-College competition, S.L. D. A. V. College of Education , Ambala City**			
7.a	Salad Making	Namrata (Third)	B.Sc.(H. Sc) II	2015-16
7.b	Flower Arrangement	Suchita (Consolation)	B.Sc.(H. Sc) I	2015-16
8.	**Inter-College competition, INIFD, Ambala Cantt.**			
8.a	Paper-Dress Making	Neha, Suchita & Rosy (First)	B.Sc.(H. Sc) II	2016-17

24. List of eminent academicians and scientists / visitors to the department:

- Chef Arun, Senior Chef, IFB
- Ms. Reetika Gulati, Nutritionist and Fitness Expert
- Mrs. Asha Verma, Senior Faculty, Pidilite Company
- Ms. Ritu Talwar, Senior Faculty, Art of Living
- Suresh Vyas, Assistant Regional Manager, Usha International Ltd.
- Prof. Shivani Sharma, Chairperson, Dept. of Philosophy, PU
- Dr. Ravi Aggarwal, Asso. Prof., Dept. of Psychology, G.M.N. College, A/Cantt.
- Ms. Meenu & Ms. Shikha, Expert, Craze International, Chandigarh

25. Seminars/ Conferences/Workshops organized & the source of funding: NIL

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	**Applications received**	**Selected**	**Enrolled**		**Pass percentage**
			***M**	***F**	
2014-15	21	12	00	12	91.66

*M = Male *F = Female

27. Diversity of Students

Name of the Course	**% of students from the same state**	**% of students from other States**
B. Sc (H. Sc.)	100	---

28. **How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.-** NIL

29. Student progression

Student	Against % enrolled				
	2011-12	2012-13	2013-14	2014-15	2015-16
UG to PG	00	33.3%	30%	67%	00
Employed Other than campus recruitment	00	3%	1%	2%	00
Entrepreneurship/ Self-employment	00	1%	00	1%	00

30. Details of Infrastructural facilities

a) Library- The Central Library has about 952 books on the subject.

b) Internet facilities for Staff & Students-Wi-Fi facility is available for the staff and students with 2 computers and 1 laptop.

c) Class rooms with ICT facility – Projector in labs

d) Laboratories- 03

e) Equipments- Food Processor, Microwave, OTG, Induction, Fryer, Refrigerator, Geyser, Water Purifier, Kneader, Cooking Range, Sewing Machines and other equipments used for stitching**.**

31. Number of students receiving financial assistance from college, university, government or other agencies:

Session	No. of Students	Amount
2013-14	1	1478
2014-15	2	1501

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts:

Sno	Title/Type of Programme	Name of Resource Person/s	Date
1.	Eco-Handicraft Exhibition- Beti Bachao	-----	16/03/2012
2.	Special Lecture- सुंदरता की कला और त्वचा की देखभाल	Ms. Meenu & Ms. Shikha, Expert, Craze International, Chandigarh	27/02/2013
3.	Seminar- Psychological Counselling	Dr. Ravi Aggarwal, Asso. Prof., Dept. of Psychology, G.M.N. College, Ambala Cantt.	21/03/2013

4.	1-week Workshop- Meenakaari & Pot Painting	Mrs. Asha Verma, Senior Faculty, Pidilite	03/12/2014
5.	Demo Class- How to use LPG	Captain Baldev Singh, Owner, Baldev Gas Agency	30/01/2015
6.	3- days Worshop- Tanjore Painting & Glass Painting	Mrs. Asha Verma, Senior Faculty, Pidilite	19-21/02/2015
8.	Lecture- Revisiting Western & Indian Aesthetic Theories	Prof. Shivani Sharma, Chairperson, Dept. of Philosophy, PU	16/03/2015
9.	1- day Workshop- Jewellary Designing	Mrs. Asha Verma, Senior Faculty, Pidilite	09/04/2015
10.	Exhibition- Stencil Printing, Mirror Art, Worli Art etc.	Students of Home Science	28/04/2015
11.	Demo Class- Usha Sewing Machine	Mr. Suresh Vyas, Asst Regional Manager, Usha Int. Ltd.	01/08/2015
12.	Lecture- How to Deal with Stress	Ms. Ritu Talwar, Senior Faculty, Art of Living	19/08/2015
13.	3 days Art & Craft Workshop –cum- Exhbition	Mrs. Asha Verma, Senior Faculty, Pidilite	15-17/09/2015
14.	Mehndi Service	Earn While You Learn Scheme	29/10/2015
15.	1 day workshop- Use of LPG	Captain Baldev Singh, Owner, Baldev Gas Agency	15/01/2016
16.	Lecture- Creating & Maintaining Healthy Food Culture	Ms. Ritika Gulati, Nutritionist and Fitness Expert	08/03/2016
17.	2 month Training- Bakery Training at IHM, Jyotisar, Kurukshetra	Under the scheme of *Hunar se Rozgar* by Govt. of India	30/05/2016 to 15/07/2016
18.	Demo class- Bakery	Chef Arun, Senior Chef, IFB	30/08/2016
20.	Mehndi Service	Earn While You Learn Scheme	18/10/2015
21.	Workshop- Diya , Candle Making, Envelope Designing etc.	Students of B. Sc. Home Science at Chetna, NGO, Vill. Mirzapur, Kurukshetra	24/10/2016

33. Teaching methods adopted to improve student learning:

1. PPT
2. Case Study
3. Group Discussion

4. Audio- Visual Aids
5. Renowned Videos
6. Student's Presentation
7. Visit

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Session	Name of the Activity	No of Students Involved
2011-12	Holi Celebration at Old Age Home	10
2014-15	Tree Plantation Drive	15
2015-16	Fund Raising for Cancer Patient	10
2016-17	Diwali Celebration at NGO	08

35. SWOC analysis of the department and Future plans

Strength:

- Young and talented staff
- Regular classes are conducted with effective teaching and usage of ICT tools.

Weakness:

- Economically poor background of students.
- Lack of awareness regarding scope of Home Science

Opportunities:

- Career avenues to become Dieticians/ Food Scientist/ Nutritionist/ fitness expert/ CDPO/ Female Supervisor/ Fashion Designer/ Lecturer/ Interior Designer/ Entrepreneurs etc.

Challenges:

- To alleviate the misconceptions and facts regarding scope of the subject.
- To bridge the gap between theory and practical.
- To update the curriculum according to societal demands.
- To enhance soft and hard skills of students for creation of self-employability and entrepreneurship.

Future Plan:

- Well equipped labs
- To increase interface with the food and textile industries through visits, guest lectures, etc.
- Conducting faculty development programmes.
- Motivating students to opt for higher studies.
- Improving the skills of the students through maximum use of ICT tools and workshops.

Department of Journalism & Mass Communication

1. **Name of the department:** Department of Journalism & Mass Communication

2. **Year of Establishment:** 2008

3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., and Integrated Masters; Integrated Ph.D., etc.):**
   M.A. in Mass Communication

4. **Names of Interdisciplinary courses and the departments/units involved:**
   NIL

5. **Annual/ semester/choice based credit system (programme wise):**
   Semester Based

6. **Participation of the department in the courses offered by other departments:**
   NIL

7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:**
   NIL

8. **Details of courses/programmes discontinued (if any) with reasons:**
   NIL

9. **Number of teaching posts:**

Teaching Post	Sanctioned	Filled
Asst. Professors (Temporary)	02	02

10. **Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience
Mr. Manish Goel	M. Com, M.A(Mass Comm. & Economics), M.B.A (HR), M. Phil. (Journalism & Mass Comm. and Management) NET	Asst. Prof.	Advertisement & Management	11
Ms. Sonia	M.A. (Mass Comm.), NET	Asst. Prof.	Public Relations	3

11. List of senior visiting faculty: NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:
Theory & Practical: 100%

13. Student -Teacher Ratio (programme wise): 10:1

14. Number of academic support staff (technical) and administrative staff :
NIL

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.
As in 10 above

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: NIL

18. Research Centre /facility recognized by the University: NIL

19. Publications:

a) Publication per faculty: 01

Mr. Manish Goel

- Paper titled 'Foreign Trade Post Reforms, Trends, Opportunities & Challenges' published in the proceedings of the seminar on 'Foreign Direct Investment in India: Emerging Trends' with ISBN No. 978-93-82529-06-4.

Books edited/ authored:

- Mr. Manish Goel co-edited a book titled 'Media and Indian Mindset' in 2012 with ISBN 978-93-82529-01-9

Number of papers published in peer reviewed journals (national / International) by faculty and students: NIL

- **Citation Index** NIL
- **SNIP** NIL
- **SJR** NIL
- **Impact factor** NIL
- **h-index** NIL

20. Areas of consultancy and income generated: NIL

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards: NIL

22. Student projects: NIL

a) Percentage of students who have done in-house projects including inter departmental/programme: NIL

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: NIL

23. Awards / Recognitions received by faculty and students: NIL

24. List of eminent academicians and scientists / visitors to the department: NIL

25. Seminars/ Conferences/Workshops organized & the source of funding:

- Organized a State level workshop on 'Electronic Media and Animation' in collaboration with Xtreme India Education from 12-17 Sept 2011.

26. Student profile programme /course wise:

M.A. (Mass Comm.)	Pass %	Merit / Uni. Position
2011-12	78	0/4
2012-13	89	2/4
2013-14	100	1/4
2014-15	100	2/0
2015-16	78	2/0

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
M.A. (Mass Comm.)	100%	NIL	NIL

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? NIL

29. Student progression:

Student progression	Against % enrolled
UG to PG	**N.A.**
PG to M.Phil.	8

PG to Ph.D.	2
Employed • Campus selection • Other than campus recruitment	
Entrepreneurship/Self-employment	50%

30. Details of Infrastructural facilities:

a) **Library:** The College Library has 210 Titles and 244 Copies of Books on Mass Communication.

b) Internet facilities for Staff & Students:
Wi-Fi facility with Desktop,Printer, Scanner & Copier.

c) Class rooms with ICT facility: NIL

d) Laboratories: The Mass Media lab has the following facilities and equipment for the students:

1. Sound Proof Lab for video and sound recording
2. Setup of video Recording & Editing (I.MAC with final cut pro and other editing software)
3. Setup of sound recording and editing (Console, Diff. Mics, Sound editing software, sound forge & nuendo)
4. Cameras for still photography and visuals (Still camera cyber shot and SLR Canon 7s)
5. Computer lab:-(with graphic, V FX, other software)
   i. Print media – Page setup
   ii. Graphic designing
   iii. Visual effects and motions

31. Number of students receiving financial assistance from college, University, Government or other agencies. NIL

32. Details on student enrichment programmes (special lectures / workshops /Seminar) with external experts:

- State level workshop on 'Electronic Media and Animation' in collaboration with Xtreme India Education from 12-17 Sept 2011.
- Organised Inter-college Media Exhibition titled 'Media Pedia' and an interactive session on 'Actual and Factual of Journalism' and 'Changing Role of Journalism with the Advent of Online Journalism and Media' on 8 Feb 2016.

33. Teaching methods adopted to improve student learning:

- Lecture Method
- Workshops
- Seminars
- Interactive sessions
- Audio-Visual media
- Documentaries

34. Participation in Institutional Social Responsibility (ISR) and Extension

activities:

Students of the department actively participate in various extension activities organized in the college like:

- Green Drives
- Cleanliness Drives
- Voluntary Blood Donation
- Say No to Polythene

35. SWOC analysis of the department and Future plans:

Strength:
- Mass media Lab provides hands-on experience to students
- Experienced and highly qualified faculty

Weakness:
- Lack of interest among students of the region
- Lack of permanent faculty

Opportunities:
- Growing demand in the field of mass communication and journalism

Challenges:
- Lackluster response to the course

Department of Mathematics

1. **Name of the department:** Mathematics

2. **Year of Establishment:** Since the inception of the college.

3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

UG Level:

- Mathematics in B.Sc.
- Mathematics in B.A

PG Level:

- M.Sc. Mathematics

4. **Names of Interdisciplinary courses and the departments/units involved:** NIL

5. **Annual/ semester/choice based credit system (programme wise):** All programs/courses are semester based.

6. **Participation of the department in the courses offered by other departments:**

S.NO	Course	Department
1.	Business Mathematics • B.Com. I • BBA. I	Commerce
2.	Mathematics Foundations • BCA –I	Computer Science
3.	• B.Sc. IT-I,II	Electronics & IT

7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** NIL

8. **Details of courses/programmes discontinued (if any) with reasons:** NIL

9. **Number of Teaching posts:**

Teaching Post	Sanctioned	Filled
Associate Professors	02	02
Assistant Professors	01	01
Temporary(Assistant Professor)	08	08

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,):

Name	Qualification	Designation	Specialization	Experience
Dr. Naveen Gulati	M. Sc, B.Ed. M. Phil, Ph. D	Associate Prof.	Applied Mathematics	26
Mrs. Rajni Gupta	M. Sc, M. Phil	Asso. Prof.	Pure Mathematics	26
Mrs. Babita Bist	M. Sc	Asst Prof.	Applied Mathematics	10
Mr. Kapil Chawla	M. Sc	Asst Prof.	Mathematics and Computing	01
Ms. Sushma Gupta	M. Sc, B. Ed	Asst Prof.	Pure Mathematics	03
Ms. Aarti	M. Sc, M. Phil, B. Ed	Asst Prof.	Pure Mathematics	08
Mr. Chirag Oberoi	M. Sc, M. Phil	Asst Prof.	Applied Mathematics	08
Mr. Gurjeet Singh	M.Sc., B. Ed	Asst Prof.	Applied Mathematics	03
Ms. Shivani	M.Sc., B. Ed	Asst Prof.	Pure Mathematics	08
Ms. Binny Gindra	M.Sc.	Asst Prof.	Applied Mathematics	03
Mr. Deepak Kumar	M.Sc., M. Phil	Asst Prof.	Applied Mathematics	04

11. List of senior visiting faculty: NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty

Theory: 71% Practical: 82%

13. Student -Teacher Ratio (programme wise):

Programme	Student-Teacher Ratio
B.A.	22:1
B. Sc.	20:1
M. Sc.	27:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: NIL

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.:

PG	M. Phil	Ph. D
06	04	01

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: NIL

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:

Details of Projects allotted under BSR

S. No.	Session	No. of BSR Projects	Total Amount
1.	2012-13	06	30,000/-
2.	2015-16	05	30,000/-

18. Research Centre /facility recognized by the University: NIL

19. Publications:

a) Publication per faculty

SNo.	Title of Paper/Year/Month/Volume	Impact Factor/Refereed Index
1.	**Babita Bist Ramola** published a research paper titled **"Prime Numbers and Modular Exponentiation in Encryption and Decryption"** in the *IJRASET Volume 3 Issue VI, June 2015 pages 377-379.* http://www.ijraset.com/fileserve.php?FID=2816	Impact factor: 3.664 IC Value: 13.9
2.	**Kapil Chawla** and Jatinderdeep Kaur, published a research paper titled "Common Fixed Point Results For Weakly Isotone Increasing Mappings in Partially Ordered b-metric-like space" in *International Journal of functional analysis, Operator Theory and Applications* with ISSN 0975-2919 . Vol 7 Issue 1 with pages 19-56. http://www.pphmj.com/abstract/9150.htm	Impact factor: ISSN:0975-2919 Google Scholar
1.	Vishal Gupta, Ramandeep and **Naveen Gulati,** published a research paper titled **"Common Fixed Point Results in Gb Metric Space and Generalized Fuzzy Metric Space Using E.A Property and Altering Distance Function"** in the *Advances in Intelligent Systems and Computing Volume 2,2015* . https://www.springerprofessional.de/en/proceedings-of-fifth-international-conference-on-soft-computing-/10078608	Impact factor: Print ISBN: 978-981-10-0450-6 Electronic ISBN: 978-981-10-0451-3 Socpros 2015
2.	Vishal Gupta, Ashima Kanwar and **Naveen Gulati,** published a research paper titled **"Common Coupled Fixed Point Results in Fuzzy Metric Spaces Using**	Print ISBN: 978-81-322-2537-9

	JCLR Property" in *Smart Innovation, System And Technologies* Vol 43 Issue 1 with pages 201-208 . http://link.springer.com/chapter/10.1007/978-81-322-2538-621	Online ISBN: 978-81-322-2538-6
3.	R.K. Saini, Seema Devi and **Naveen Gulati,** published a research paper titled **"FIXED POINT THEOREM ON TWO COMPLETE METRIC SPACES" in** *International Journal Of Engineering Trends in Engineering and Development* with ISSN 2249-6149 . Vol. 6 Issue 3 with pages 488-493. http://rspublication.com/ijeted/2013/nov13/49.pdf	Impact factor: 3.22 H Index: 4.8 Universal Impact factor:0.15
4.	Seema Devi, **Naveen Gulati** and Naveen Sharma**,** published a research paper titled **"A Fixed Point Theorem On Compact Metric Spaces "** in *International Journal of Mathematical Archive* with ISSN 2229-5046 . Vol. 4 Issue 9 with pages 248-251. http://www.ijma.info/index.php/ijma/article/view/2352	Peer Review Impact factor: 4.903 Google Scholar
5.	Seema Devi, **Naveen Gulati** and Naveen Sharma**,** published a research paper titled **"Existence of Common Fixed Point in Complete Metric Spaces" in** *International Journal Of Engineering trends in engineering and Development* with ISSN 2249-6149 . Vol. 4 Issue 3 with pages 292-299. http://rspublication.com/ijeted/july13/29.pdf	Impact factor: 3.22 H Index: 4.8 Universal Impact factor:0.15
6.	Deepak Gupta, Sameer Sharma and **Naveen Gulati,** published a research paper titled **"N * 3 Flow Production Schedule, Processing Time, Set Up Time, Each Associated with Probabilities along with Jobs in a String of Disjoint Job-Blocks"** in *Antarctica J. Math.* Vol. 8 Issue 5 with pages 443-457. http://www.domainsmoon.com/ajm/ajmfiles/ajm2011.html	
7.	Vishal Gupta, Naveen Mani and **Naveen Gulati,** published a research paper titled **"A Common Fixed Point Theorem Satisfying Contractive Condition of Integral Type"** *International journal of research in engineering & applied sciences* with ISSN 2249-3905 . Vol. 2 Issue 2 with pages 7.	Impact factor: Online ISSN:2249-3905

* **Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) :** 07

* **Monographs** NIL

* **Chapter in Books** NIL

* **Books Edited** 06

Books with ISBN/ISSN numbers with details of publishers 04

S. No.	AUTHOR NAME	BOOK NAME	ISBN	PUBLISHER
1.	Dr. Naveen Gulati	Calculus	93-80896-01-8	Jeevansons Publication
2.	Dr. Naveen Gulati	Elements of Business Mathematics Sem1	93-80896-06-9	Jeevansons Publication
3.	Dr. Naveen Gulati	Elements of business Mathematics Sem2	81-909538-4-2	Jeevansons Publication
4.	Dr. Naveen Gulati	Elements of Mathematics	819095381-8	Jeevansons Publication

- **Citation Index** NIL
- **SNIP** NIL
- **SJR** NIL
- **Impact factor** Average 3.74
- **h-index** 4.8

20. Areas of consultancy and income generated: NIL

21. Faculty as members in:
a) National committees b) International Committees c) Editorial Board
NIL

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme:

S. No.	Session	No. of BSR Projects	Total Amount
1.	2012-13	06	30,000/-
2.	2015-16	05	30,000/-

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry NIL

23. Awards / Recognitions received by faculty and students:

Dr. Naveen Gulati

- Recognized and awarded by **District Administration Four Times** on 26-01-2006, 26- 01-2009, 26-01-2010 and 15-08-2010.
- Certificate of Appreciation awarded for **Blood Donation** in the camp held at S.D College (Lahore), Ambala Cantt on 12-02-2011.

- Awarded with **Silver Jubilee Award** on **25th Anniversary celebrations of the book** "Elements of Mathematics" by Indian Authors Association.
- Awarded by **PEJA (Print & Electronics Journalists association)** on 25-09-2015.
- Awarded by **Panchmeru Art and Cultural Society,** Ambala City.
- **Saravshreth Shikshak Sammaan** in Best Teachers' Ceremony organized by Dainik Bhaskar in 2014 & 2015.
- Award of Honour in **National Conference on Contemporary Social Issues** sponsored by State Bank of Patiala, Barara.
- Award of Honour in **International Conference on Contemporary Social Issues, ICCSI-16** by Department of Mathematics & Humanities, MMU, Mullana.
- Awarded by **Aaj Samaj (News Paper Group)** for Tree Plantation on 28-08-2016.
- Awarded and recognized by JLPL Production house for the role in film award function in 2012.

Students' Awards:

- Archana and K. Arti of M.Sc. II won **First prize** in State Level Mathematics Exhibition held on 16-17 November 2012 in S.D. College, Ambala Cantt.
- Umesh of B.Sc.-II, Aarushi B Sc-I and Dixit Dhiman B Sc.-II won **Second prize** in Inter college quiz contest held in S.D. College, Ambala Cantt on 7-11-2014
- Pratibha and Neha Gupta of M.Sc. II won **First prize** in State Level Mathematics Exhibition held in S.D. College, Ambala Cantt on 14-10-2015
- Vishal Verma of B Sc-I won **Second position** for Documentary Movie **Betiyan** in the event organized by Govt. College Ambala on 31-3-2016.
- Vishal Verma of B Sc-I was honored by the Chief Minister of Haryana Mr. M. L. Khattar, Chief Justice of Punjab and Haryana High Court, Chandigarh, Mr. Vazifdar and Judge of Supreme Court Mr. Jagdish Singh Kehar in Kurukshetra on 17-18 September 2016 for the Documentary Movie **Betiyan.**
- Saurabh Yadav of B.ScI won **Second position** in District level Science Quiz sponsored by Haryana State Council for Science and Technology, Panchkula in the session 2012-13.
- Saurabh Yadav of B. Sc III won **First prize** in the State level Maths Exhibition held on 28-01-2015 held in S.D College, Ambala Cantt.

24. List of eminent academicians and scientists / visitors to the department:

- Dr. A.K Lal, Asso. Prof., Thapar University, Patiala.
- Dr. Deepak Gupta, Prof., M.M. University, Mullana.
- Dr. Ramjiwari, Associate Professor, Department of Mathematics, IIT, Roorkee.
- Prof. Raj Rani Bhargav, IIT, Roorkee.
- Dr. Gurmeet Singh, Associate Professor, Dept of Mathematics, Khalsa College, Patiala.
- Dr. Sameer Sharma, Associate Professor, D.A.V College, Jalandhar.

- Dr. Vishal Gupta, Associate Professor, M.M. University, Mullana.
- Dr. Hukam Singh, Controller of Examination, KUK.
- Prof. Anil Vashisht, Kurukshetra University, Kurukshetra.
- Dr. Neela, M.C.M. D.A.V College, Chandigarh.
- Dr. A.K. Gupta, Associate Professor, G.M.N College, Ambala Cantt.
- Prof. Akashdeep, Faculty, Mohan Institute of Mathematics, Chandigarh.
- Prof. V.P Kaushik, Kurukshetra University, Kurukshetra.
- Dr. Aditya Kaushik, Associate Professor, Punjab University, Chandigarh.
- Dr. Seema Sharma, Associate Professor, D.A.V College, Jalandhar.
- Dr. Virk, Director, Mohan Institute of Mathematics, Chandigarh.
- Prof. Ashwani Kush, Kurukshetra University, Kurukshetra.
- Prof. Satya Bir Singh, Punjabi University, Patiala.

25. Seminars/ Conferences/Workshops organized & the source of funding:

S.NO.	EVENT	TOPIC	LEVEL	DATE	FUNDING
1.	Workshop	Fortran	National	2016	College
2.	Workshop	CDMCA	National	2016	UGC
3.	Exhibition	Mathematics	State	2015	College
4.	Exhibition	Mathematics	State	2014	College
5.	Exhibition	Mathematics	State	2012	College

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
UG-(2012-13)	350	245	114	131	83.78%
UG-(2013-14)	310	245	107	138	73.52%
PG-(2012-13)	100	40	02	35	59.3%
PG-(2013-14)	110	40	07	29	64%

*M = Male *F = Female

27. Diversity of Students:

Name of the Course	% of students from the same state	% of students from other States
B. Sc (Non- Med)	99	1
B.A.(Gen)	96.7	3.3
M. Sc. (Maths)	97.6	2.4

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

S.No	Exam	No. of Students
1.	NET/JRF/GATE/NBHM	**10**
2.	Entrance Exam	**38**
3.	State Level Exam	**18**
4.	Defense services	**16**
5.	Others	**05**

29. Student progression (Against % enrolled)

Student Progression	2011-12	2012-13	2013-14	2014-15	2015-16
UG to PG	76	80	83	82	82
PG to M.Phil.	--	--	01	01	--
PG to Ph.D	01	--	--	--	--
Employed					
Campus Placement	03	02	05	08	10
Other than campus recruitment	05	08	03	03	03
Entrepreneurship/Self-employment	15	10	08	06	5

30. Details of Infrastructural facilities:

a) Departmental Library

UG Books	200
PG Books	50
Journals	05
Competitive Exams CSIR-UGC NET	05

b) Internet facilities for Staff & Students: WI-FI Campus

c) Class rooms with ICT facility: NIL

d) Laboratories

- **Mathematics lab Inaugurated on 03-05-2011**

Infrastructure

Working Models	10
Non - Working models	10
Charts	200

31. Number of students receiving financial assistance from college, university, government or other agencies.

As per details given in the main SSR.

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts:

SNo.	Expert Name	University/College	Topic	Date
1.	Dr. A.K Lal (Associate Professor)	Thapar University, Patiala	Fortran	19-08-16
2.	Dr. Deepak Gupta (Professor)	M.M. University, Mullana	Operation Research	18-03-16
3.	Dr. Ramjiwari (Associate Professor)	Department of Mathematics, IIT, Roorkee	Practical aspects of Numerical Analysis	09-01-16
4.	Dr. Raj Rani Bhargav (Professor)	IIT, Roorkee	Contribution of Ramanujan in Mathematics	16, 17-09-12
5.	Dr. Gurmeet Singh (Associate Professor)	Dept of Mathematics, Khalsa College, Patiala	Number Theory	30-01-14
6.	Dr. Sameer Sharma (Associate Professor)	D.A.V College, Jalandhar	Fixed Point Theory, Current Development in Mathematics	18-03-16, 16 & 17-11-12
7.	Dr. Vishal Gupta (Associate Professor)	M.M. University, Mullana	Fixed Point Theory, Operational Research	18-03-16 16, 17-11-12
8.	Dr. Hukam Singh (Controller of Examination)	Kurukshetra University, Kurukshetra	Motivational Lecture	28-01-15
9.	Dr. Anil Vashisht (Professor)	Kurukshetra University, Kurukshetra	Current Development in mathematics	18-03-16
10.	Dr. Neela	M.C.M.D.A.V College, Chandigarh	Fourier Series	18-03-16

11.	Dr. A.K. Gupta (Associate Professor)	G.M.N College, Ambala Cantt	Complex Analysis	07-11-14
12.	Prof. Akashdeep	Faculty, Mohan Institute of Mathematics, Chandigarh	Guidance Programme for preparation of CSIR NET	07-11-14
13.	Dr. V.P Kaushik (Professor)	Kurukshetra University, Kurukshetra	Complex Analysis	16, 17-11-12
14.	Dr. Seema Sharma (Associate Professor)	D.A.V College, Jalandhar	Partition Theory	17-03-12
15.	Dr. Virk	Director, Mohan Institute of Mathematics, Chandigarh	Guidance Programme for preparation of CSIR NET	28-01-15
16.	Dr. Ashwani Kush (Professor)	KUK	Current Development in Mathematics	18-03-16
17.	Dr. Satya Bir Singh (Professor)	Punjabi University, Patiala	Operational research	18-03-16

33. Teaching methods adopted to improve student learning:

- Making Mathematics interesting through Quiz and Exhibitions organized at National/ State Level.
- Use of social media for sharing Mathematical contents.
- Presentation/ Seminars from students.
- Educational trips.
- Workshops on programming in C/ Matlab / Fortran.
- Group Discussion/ Brain Storming
- Working/ Non Working Models prepared by students to enhance the domain knowledge.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

- 80 Students of M. Sc Maths took oath not to use polythene on 20-04-2011.
- 40 Students participated in AIDS Awareness rally on 1-12-2011 organized by District administration.
- 50 Students participated in Mega Blood Donation Camp organized by the college on 24-02-2012.
- Students participated in Beti Bachao campaign on 23 March 2012
- 50 Students Participated in a Tree Plantation Programme in M.M.U Mullana on 20-21 Feb.2012

- 30 Students Participated in a Tree Plantation Programme in Tulsi College of Education, Ambala City on 22 April 2012 on the occasion of World Earth Day.
- 50 Students Participated in Red Ribbon Express in December 2012.
- 25 students Participated in a program on world TB Day in T.B Hospital, Ambala City for Awareness Programme on T.B on 24-03-2013.
- 40 Students participated in Pulse Polio Campaign on 24-02-2013.
- 50 Students participated in Mega Blood Donation Camp organized by the college on 02-03-2013.
- Umesh Sharma of B.Sc. I donated blood at Sanjeevni Blood Bank, Ambala Cantt. on 31-01-2014
- 30 students participated in Pulse Polio Campaign on 19-02-2014 organized by District administration.
- Students took pledge for Swacch Bharat Abhiyan on 07-11-2014.
- Students of M. Sc Maths planted trees in Subhash Nagar Mandir premises on 10-04-2014
- Vishal Verma student of B.Sc. II participated in Polio Free Rally by Rotary Club, Ambala on World Polio Day in 2015
- M. Sc. students took active part in a cleanliness derive in the college on 02-10-2015
- 15 students participated in T.B. Awareness Campaign by T.B. Hospital, Ambala City on 22-02-2015
- 10 Students participated in a programme on National Youth Day on 12-01-2016 in Central Jail, Ambala City.
- 200 students participated in entertainment show CANTEENI MUNDEIR on channel MH-1 in January 2015.
- 500 students participated in a cultural event on 14 Oct 2015 in which the film stars Mahi Gill and her team motivated the students for social services
- 50 students went for an educational trip to Shimla on 27 Oct 2015 where the students and faculty members participated in Swachta Abhiyan.
- 40 students participated in District Level Awareness Programme Beti Bachao Beti Padaho in Tulsi College of Education, Ambala City on 01-08-2015

35. SWOC analysis of the department and Future plans

Strength:

- Departmental Library
- Mathematics Lab
- Working & Non working Models
- Computer Lab for C/Matlab/Fortran

Weakness:

- Less practical works on pure Mathematics.
- Insufficient opportunity for research work.
- Less Permanent staff.
- Lack in spreading awareness about ICT among students.
- Less Diversity in teaching methods.

Opportunity:

- Publication/Participation/Presentations in International/National Conferences.
- Extensive Exposure to computing.
- Advancement in research work.

Challenges:

- Facilitate collaboration between industry & institute
- Secure resources to establish infrastructure to support research efforts.
- Proper utilization of available resources.
- Bringing change in the public perception about the role of Mathematics in society.

Department of Music(Instrumental)

1. **Name of the department:** Music (Instrumental)

2. **Year of Establishment:** Since the inception of the college.

3. **Names of Programmes / Courses offered**
   UG Level: Music Instrumental in BA I , II , III

4. **Names of Interdisciplinary courses and the departments/units involved:** NIL

5. **Annual/ semester/choice based credit system (programme wise):** Semester

6. **Participation of the department in the courses offered by other departments:** NIL

7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** NIL

8. **Details of courses/programmes discontinued (if any) with reasons:** NIL

9. **Number of teaching posts:**

Teaching Post	Sanctioned	Filled
Assistant Professor	01	01

10. **Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,)**

Name	Qualification	Designation	Specialization	Exp.
Dr. Paramjeet Kaur	M.A, PhD	Asst. Prof.	Hindustani Music (Sitar)	12years

11. **List of senior visiting faculty:** NIL

12. **Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:** NIL

13. **Student -Teacher Ratio (programme wise): 1:22**

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Staff	Sanctioned	Filled
Academic support staff (technical)	01	01

15. Qualifications of teaching faculty with Ph.D. / M Phil / PG: Ph. D. 01

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: NIL

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: NIL

18. Research Centre /facility recognized by the University: NIL

19. Publications:

S No	Title of paper /name of journal/Issue/Volume /page numbers/month / year	Peer-Reviewed / Impact factor
	Papers Published in International Journals:	
1	"Bhartiya Shastriya Sangeet mein Shashvata" in DRASHTA (ISSN: 2277-2480) Issue: 09, Vol.:03, Pages: 315-318 (Dec.2013 –Feb.2014)	Peer-Reviewed journal with Impact factor 0.517
2	"Antar Rashtriya Sangeetik Sambhandho mein Bharat ki Bhumika" in CHINTAN (ISSN: 2229-7227), Issue: 13, Vol.:04, Pages: 328-330 (Jan. – Mar 2014)	Peer-Reviewed journal
3	"Shiksha Tatha Rozgaar Dwara Naari Shashaktikaran" in PURVA MIMAANSA (ISSN: 0976-0237) Vol. 05 Pages: 210-215(March – Sept. 2014)	Peer-Reviewed journal
4	"Bhartiya Svatantrata Sangraam Ke Abhimulyan me Sangeet" in PURVA MIMAANSA (ISSN: 0976-0237) Vol. 06, Pages: 59-64(Mar – Sept 2015)	Peer-Reviewed journal
5	"Grameen Mahila aur Prodhyogiki" in e-Journal SANGHARSH / STRUGGLE E - JOURNAL OF DALIT LITERARY STUDIES (ISSN: 2278 – 3067) Vol.04, Pages: 54-56 (Oct. – Dec.2015)	Peer-Reviewed journal with Impact factor =0.793

SNo	Papers Published in proceedings of National Seminars	ISBN
1	"*Samkalin Hindustani Shastriya Sangeet- Ek Avlokan*" published in the proceedings of UGC sponsored "Bhartiya Sangeet Ka Leekpeetata Sashtrapaksh V Kriyatamak Paksh Ka Taalmel- Kitna Sarthak" organized by MDSD Ambala City, on 14th Feb 2012. Pages: 67-76.	978-93-81615-12-6

2	*" Naitikta Tatha Sangeet – Vartmaan Paripreksh*ya *Main*" published in the proceedings of UGC sponsored National Seminar on "Bhartiya Sangeet Badalte Pariveshmein Naitik Mulya " held at MDSD Girls College, Ambala City, on 14 Feb 2013. Pages: 88-93	978-93-81632-64-2
3	"*Bhartiya rashtravaad me sangeet ke vibhin aayam*" published in the proceedings of UGC sponsored national seminar on "Role of music in indian nationalism- An Evaluation" organized by SD College, Ambala Cantt. on 21st -22nd March 2013 Pages: 13-32	978-93-82529-04-0
4	"*Bhartiya shastriya sangeet me nirantarta ke tatva*" published in the proceedings of DHE sponsored national seminar on "Shastriya sangeet ko lokpriya banane ke liye parivartan- sarthak ya nirarthak" organized by Arya Kanya Mahavidhyalaya, Shahbaad, 2014 Pages: 75-79	978-81-929650
5	"Upyogita ke yug me sangeet ka mahattav" published in proceeding of DHE sponsored national seminar on, "Role of Music in Reforming Education- Challenges &Stratigies" organized by GCG, Sector -14, Panchkula, 2014 Pages: 95-97.	938206828-7

Book/ Year	Title	ISBN	Publication Details
Edited/ 2014	Role of Music in Indian Nationalism	978-93-82529-04-0	Daksh Associates, Ambala Cantt

- **Citation Index** NIL
- **SNIP** NIL
- **SJR** NIL
- **Impact factor** Avg.0.65
- **h-index** NIL

20. Areas of consultancy and income generated: NIL

21. Faculty as member in National Committees:

- Member, Bharat Vikas Parishad, Patiala (Punjab)
- Executive Member, Sanatan Dharam Pratinidhi Sabha.
- Nominated Member, Education Board, Sanatan Dharam Pratinidhi Sabha.
- Member, Prem Dham Sarvhitkari Vidya Mandir, Patiala. (Punjab)

22. Student projects

a) **Percentage of students who have done in-house projects including inter departmental/programme:** NIL

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: NIL

23. Awards / Recognitions received by faculty and students:

Name of Faculty	Title Of Award	Awarded By	Session
Dr. Paramjeet Kaur	Shiksha Rattan Puraskar& Citation	Dr. Bhisham Narayan Singh (Former Gov. of Assam and Tamil Nadu) through IIFS, Delhi.	2013-14

Students Awards
Session: 2012-13

S. No	Item	ZYF	IZYF
1	Classical Inst. Solo(P)	I	Participated
2	Classical Inst. Solo(NP)	II	-
3	Haryanvi Orchestra	II	-
4	Folk Inst. Solo	II	-

*Our Folk Orchestra represented Kurukshetra University in North Zone intervarsity Youth Festival from 7-10 Nov 2012.

Session: 2013-14

S. No	Item	ZYF	IZYF
1	Classical Inst. Solo(P)	I	II
2	Haryanvi Orchestra	II	-

Session: 2014-15

S. No	Item	ZYF	IZYF
1	Indian Orchestra	I	Participated
2	Haryanvi Orchestra	II	-
3	Classical Inst. Solo(NP)	II	-

Session: 2015-16

S. No	Item	ZYF	IZYF
1	Classical Inst. Solo(P)	II	-
2	Classical Inst. Solo(NP)	II	-
3	Indian Orchestra	I	Participated

Session: 2015-16

S. No	Item	ZYF	IZYF
1	Classical Inst. Solo(P)	II	-
2	Classical Inst. Solo(NP)	II	-
3	Indian Orchestra	I	Participated

Session: 2016-17

S. No	Item	ZYF	IZYF
1	Classical Inst. Solo(P)	II	-
2	Classical Inst. Solo(NP)	II	-
3	Indian Orchestra	II	-
4	Haryanvi Orchestra	I	II

24. List of eminent academicians and scientists / visitors to the department:

- Ustad Barkat Sidhu, Renowned Sufi Singer of Punjab and an exponent of Patiala Gharana.
- Pt. (Dr.) Harvinder Sharma, renowned Sitar Maestro of north India.
- Pt. Subhash Ghosh, renowned Maestro of musical instrument- SWAR RAAGINI
- Prof. Hukam Chand, Dept. of Music, M D University, Rohtak
- Dr. Suchishmita, Chairperson, Dept. of Music & Dance, KUK
- Prof. Madhu Bala Saxena, Dept. of Music, Delhi University, Delhi.
- Dr. Renuka Ghambhir, A- Grade Artist, Asso. Prof., Dept. of Music (I), Govt. College, Hissar.

25. Seminars/ Conferences/Workshops organized & the source of funding:

National Seminar:

SNo.	Title of Seminar / Conference / Workshop	Funding Agency	Amount Sanctioned	Date
1	**One day State level Workshop on Effect of Music Education on the Body and Mind"**	DGHE	Rs. 50,000	25-10-12
2	**Two Day National Seminar on "Role of Music in Indian Nationalism- An Evaluation"**	UGC	Rs. 1,25,000	21& 22-03-12

26. Student profile programme/course wise:

Name of the Course/programme	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
Session: 2012-13					
BA Music Inst.	40	23	07	16	100%

*M = Male *F = Female

27. Diversity of Students:

Programme	From the same state	From other states
UG	100%	0

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.: NIL

29. Student progression:

Student progression	Against % enrolled			
	2012-13	**2013-14**	**2014-15**	**2015-16**
UG to PG	---	20%	10%	40%
Employed **• Campus selection** **•Other than campus recruitment**	0%	10%	0%	0%
Entrepreneurship/Self-employment	---	80%	80%	60%

Details of Entrepreneurship/Self-employment

- Mr. Ravi Hans an alumnus of the Dept. is a leading flute Player in the State of Haryana.
- Mr. Gurnazar, an alumnus of the Dept. started his career with a band in 2012. He is now a playback singer in Punjabi movies. He has sung more than 30 hit songs like "Bewafa, Kala Tikka, Adataan etc" .
- Mr. Vijay an alumnus of the Dept. and his Band "Street Jammer" bagged Ist Position in Band Competition in Chitkara University, Rajpura.
  - Second Position in Nokia Competition in Goa
  - A Song Sung by his band in the "film -90"
- Mr Naveeen a student of MMC-II of our College has prepared a separate band named "Riaaz". His Band performed at "Big Shimla Carnival" 2015.
- Mr Abhishek a student of BA II (Music) is an accomplished Drummer. He performs with 2 bands **"Riaaz"** and **"Atharva"**. He performed at Rajiv Gandhi Law University, Patiala in **"Atharv Band".** Also performed in **"Battle of Bands"** at **"Big Shimla Carnival"** in Shimla 2015.
- Mr. Anirudh a student of BA II is an accomplished Tabla Player and is an accompanist in **Stage Performances**.

30. Details of Infrastructural facilities

a) Library: **Central College Library has 250 Titles and 307 Books, 10 CDs and 01 Magazine.**
b) Internet facilities for Staff & Students: **Wi-Fi facility is available for the staff and students with one Laptop.**
c) Class rooms with ICT facility: **Class Room with Projector.**
d) Laboratories: **NIL**.
e) Music Room: **25 Sitars, 2 Santoors, 2 Tabla pair, 1 Swar mandal–cum-Tanpura, 1 Octopad (Roland), 1 Harmonium, 1 Patti Tarang, 12 Folk Instruments, 10 CDs, sound and music system (Sony) & Mixer in Music Instrumental Lab.**

31. Number of students receiving financial assistance from college, university Government or other agencies: NIL

32. Details on student enrichment programme (Special Lectures / Workshops/Seminar) with external experts:

Sno.	Title/Type of Programme	Name of Resource Person/s	Date
1	Basant Utsav	Dr. Hukam Chand, Professor, Dept. Music,MDU, Rohtak	21 Mar 2014
2	Shashtriya V Sugam Sangeet mein Bandish tatha Vistar ki Avdharana	Dr. Suchismita, Chairperson, Deptt. Music & Dance, KU, Kurukshetra	31 Mar 2015
3	Relationship Between Classical Music & Light Music	Dr. Harvinder Sharma, Former Principal, Govt. College, Kalka	26 Mar 2016

33. Teaching methods adopted to improve student learning:

- Teaching with questionnaire and quiz.
- Lecture cum demonstration.
- Assignment
- PPT
- Group Discussions.
- Taking Assistance from YouTube and CDs of renowned and budding Artists.
- Prepare the students for stage performance.
- Identification, characterisation and differentiation for learning ragas in tabular form.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

The Department of music faculty actively involves in social activities like:

*Preserve our culture and heritage
*Inculcate patriotism
*Instill discipline and punctuality
*Maintenance cleanliness and greenery
*Protection of animals (Donation to Gaushala)
*Flood Relief
*Blood Donation

Sno	Type of Activity	Organized by	No. of students	Position	Session
1	Independence Day Celebration	Music Dept.	28	-	Annually
2	Republic Day Celebration	Music Dept.	32	-	Annually
3	Haryanvi Orchestra on the eve of Republic Day	Phoenix Club	12	Honoured with Cash Prize	25 Jan, 2014
4	Workshop on Techniques Of Music Appreciation	Music Dept.	20 (6 teachers)	-	11-15 May, 2015
5	Haryanvi Orchestra	Sports and	10	Second	8 Nov ,

		Cultural Dept., Haryana			2016
6	World Culture Festival	Shri Shri Ravi Shankar (Art of Living)	4	The students were part of 36000 participants from 155 countries.	11-13 March 2016

35. SWOC analysis of the department and Future plans

STRENGTHS:

- Regular classes are conducted with most advanced instruments and easy to learn techniques.
- Well qualified and experienced staff.
- Well-furnished Music room

WEAKNESSES:

- Mindset of people in the region regarding music is orthodox and considering it as unemployable, the subject has not many takers among the admission seekers.

OPPORTUNITIES:

- Invasion of technology in music for its betterment.
- Students have a good exposure in the college for stage performances.

CHALLENGES:

- To develop musical skill from primary level.
- To organize Stage Performance solely by students.

Department of Music (Vocal)

1. **Name of the Department :** Music (Vocal)
2. **Year of Establishment :** Since the inception of the college
3. **Names of Programmes / Courses offered:** UG- B.A. – As a subject
4. **Names of Interdisciplinary courses and the departments/units involved:** NIL
5. **Annual/ semester/choice based credit system (programme wise):** Semester
6. **Participation of the department in the courses offered by other departments:** NIL
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** NIL
8. **Details of courses/programmes discontinued (if any) with reasons:** NIL
9. **Number of Teaching posts:**

Teaching Post	Sanctioned	Filled
Asst. Professors	01	01

10. **Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,):**

Name	Qualification	Designation	Specialization	Experience
Dr. Madhu Sharma	M. A., B.Ed., Ph. D	Asst. Prof.	Hindustani Vocal Music	05 years

11. **List of senior visiting faculty:** NIL
12. **Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:** Not Applicable
13. **Student -Teacher Ratio (programme wise):** 22:1
14. **Number of academic support staff (technical) and administrative staff; sanctioned and filled**

	Sanctioned	Fille
Tabla Player	01	01

15. **Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG:**

    Ph. D. 01

16. **Number of faculty with ongoing projects from a) National b) International**

funding agencies and grants received:
National Agency: Dr. Madhu Sharma, Asst. Professor, Minor Project (2016-2017) funded by UGC.

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: NIL

18. Research Centre /facility recognized by the University: NIL

19. Publications:

a) Publication per faculty
Dr. Madhu Sharma

SNo	Title of paper /year/month/volume/name of journal/page numbers	Refereed/indexed / Impact factor
1	'अध्यात्म व संगीत की एकरूपता' in the Peer Reviewed Journal (International Educational Research & Development with ISSN 2250-3862.)(Oct.-Dec2013) Vol 3 Issue 3 pages 130-134.	
2	भारतीय संगीत मे वाद्यों की आवश्यकता व उपयोगिता' in the Peer Reviewed University Hindi Journal with ISSN 2347-9612.Vol 1 Issue 1 pages 15-16.(Oct.- Dec. 2013)	
3	चित्रपट संगीत पर पाश्चात्य प्रभाव' in the Peer Reviewed Journal अंतरराष्ट्रीय सैद्धान्तिक समीक्षा with ISSN 2347-9116. (July-Dec. 2013) Vol 1 Issue 1 pages 33-35.	
4	'आध्यत्म व संगीत में सम्बन्ध की भूमिका' in the Peer Reviewed Journal Darshan with ISSN 2320-8325. (July-Sept.&Oct.-Dec,2013)Vol 1 Issue 3-4 pages 200-202.	
5	भारतीय वाद्य वृन्द में वाद्यों का विकास' in the Peer Reviewed Journal Pramana with ISSN 2249-2976. (Oct.-Dec. 2013)Vol 3 Issue 10 pages 982-983	
6	भारतीय समाज में नैतिक मूल्यों की अवधारणा व संगीत' in the Peer-Reviewed Journal Research Drops with ISSN 2231-105x.(Sept 2013) Vol 3 Issue 2 pages 269-272.	
7	Sangeet vadyo ki utpati tatha vikas ,International Journal Chintan,pear reviewed (Jan.-Mar 2014) Vol-4 ISSN 2229-7227,Pages 331-333	Refereed journal with Impact factor =2.38
8	Bal Sangeet Shikasha aur uttar dayitva International Journal Chintan,pear reviewed (Jan.-Mar 2014) Vol-4 ISSN 2229-7227,Pages264-267	Refereed journal with Impact factor =2.38
9	'राष्ट्रीय एकता में संगीत का योगदान' in the proceedings of the Two Days National Seminar 'Role of music in Indian nationalism' sponsored by UGC, Held on 22-3-2013 to	

	21-3-2013.ISBN 978-93-82529-04-0, page 137-140	
10	महाविद्यालय स्तर पर संगीत शिक्षण में नवीन प्रयोग' in the proceedings of the One Day National Seminar'Reforming Education VIS-A Music' sponsored by DGHE,held on 22-2-2014. ISBN 978-9382068-280, page 36-37	
11	भारतीय संगीत में नैतिक मूल्यों की अवधारणा' in the proceedings of the One Day National Seminar'भारतीय संगीत के बदलते परिपेक्ष्य में नैतिक मूल्य' sponsered by DGHE, held on 16-2-2012. ISBN 978-93-81-632-64-2, page 74-77	
12	'वर्त्तमान समाये में संगीत शिक्षण की समस्याएं' in the proceedings of the Two Days National Seminar 'शाष्त्रीय संगीत को लोक प्रिय बनाने के लिए परिवर्तन – सार्थक या निरर्थक sponsored by DGHE , held on 29-30 March,2013, ISBN 978-81-929650,page 121-125	

- **Citation Index** NIL
- **SNIP** NIL
- **SJR** NIL
- **Impact factor** Average 2.38
- **h-index** NIL

20. Areas of consultancy and income generated: NIL

21. Faculty as members in
National committees b) International Committees c) Editorial Boards

Name of Faculty	National Committee	Editorial Board
Dr. Madhu Sharma	Co-ordinator, Ambala District, OSCA	Universal Multi-Disciplinary Research Journal & Research Rival

22. Student projects
a) Percentage of students who have done in-house projects including inter departmental/programme: NIL

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: NIL

23. Awards / Recognitions received by faculty and students

SNo.	Title of Award/Recognition	Name of Student	Class	Session
1.	**Mukesh Anand Award from Anuradha Paudwal at Tagore Theatre at Chandigarh**	Ekansh	B.A. I	2011-12

2.	**Selected for Rafi Award - Chandigarh**	Ekansh	B.A. I	2011-12
3.	**Selected for Rafi Night – Ambala City**	Ekansh	B.A. I	2011-12
4.	**1st prize – Big One Talent Competition organized by JCI , Ambala**	Naveen	B.A. I	2012-13
5.	**1st Prize- Kala Sangam Group, Karnal Chapter, Selected for National Level**	Ekansh	B.A. II	2012-13
6.	**Selected for Rafi Night for Chandigarh & Ambala**	Ekansh	B.A. II	2012-13
7.	**1st prize in Mukesh Night, Narwana**	Ekansh	B.A. II	2012-13
8.	**2nd Prize in Bhajan, Inter-college Competiton, Arya Girls College, Shahbad**	Ekansh	B.A. II	2012-13
9.	**1st Prize in Gazal, Inter-college Competition, Arya Girls College, Shahbad**	Parul Chawla	B.A. III	2012-13
10.	**Quailfied 2nd Round Mohd. Rafi Night**	Naveen	B.A. II	2013-14
11.	**2nd Prize- Light Vocal Inter- College Competition, Arya College Ambala Cantt.**	Naveen	B. A. II	2013-14
12.	**Won 2nd Prize in Kala Sangam Group Singing Competition, YamunaNagar & Kurukshetra**	Ekansh	B.A. III	2013-14
13.	**Won 1st Prize in Kala Sangam Group Singing Competition, Sirhind & Selected for National Level, New Delhi**	Ekansh	B. A. III	2013-14
14.	**1st Prize, State-Level Singing Competition, Organised by Haryana State Council for Child welfare, Chandigarh – Awarded by Governer- Sh. Jagnath Pahariya**	Simranpreet Kaur	B.A. I	2014-15
15.	**1st Prize , Interstate Shabad Competition, GNG, Yamuna Nagar**	Simranpreet Kaur	B.A. I	2014-15
16.	**Finalist of Awaz Punjab ki at MH1**	Sonalika	B. A. II	2015-16
17.	**Sung Title Song of Puranmashi Serial, Sachin- The Ultimate Winner (Movie), JSR Production**	Sonalika	B. A. II	2015-16
18.	**Sung for Hum Awaz, Dark Point (Movie), Karts Production**	Sonalika	B. A. II	2015-16
19.	**Sung for Bhojpuri Movie**	Sonalika	B. A. II	2015-16
20.	**Recorded 2 song for Coke Studio**	Simranpreet Kaur	B.A. II	2015-16
21.	**Performed at Tagore Theatre, Chandigarh**	Simranpreet Kaur	B.A. II	2015-16
22.	**Participated in World Cultural Festival, organized by Art of Living, New Delhi**	Jaspreet Singh	B.A. I	2015-16

24. List of Eminent Academicians and Scientists / Visitors to the Department:

- Prof. (Dr.) Hukum Chand, M.D. U., Rohtak
- Prof. (Dr.) Shuchismita Sharma, KUK
- Dr. Saubhagyawardhan, Asso. Prof., PGGC, Chandigarh
- Prof. (Dr.) Madhubala Saxena, Delhi Univ., Delhi
- Sufi Singer Barkat Sidhu Ji

25. Seminars / Conferences / Workshops Organized & the Source of Funding:

Sr.No.	Title of Seminar/ Conference/ Workshop	Funding Agency	Amount Sanctioned	Date
1	**One Day Workshop on the Topic: Effect on Music Education on the Body & Mind**	DHE, Haryana	Rs. 50,000	25 Oct,2012
2	**Two Day National Seminar on the Topic: Role of Music in Indian Nationalism-An Evaluation**	UGC	Rs.1,25,000	21st -22nd March,2013

26. Student Profile Programme / Course Wise:

Name of the Course/ Programme	Applications Received (20120-13)	Selected	Enrolled		Pass% (2014-15)
			*M	*F	
B.A. Music Vocal	20	15	7	8	100%

27. Diversity of Students:

Name of the Course	Percentage of Students From the Same State	Percentage of Students From Other States
B.A.	100	---

28. **How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil Services, Defence Services, etc.?**
Nil

29. Student progression:

Student progression	Against % enrolled			
	2012-13	2013-14	2014-15	2015-16
UG to PG	---	20%	10%	40%
Employed **• Campus selection** **•Other than campus recruitment**	0%	10%	0%	0%
Entrepreneurship/Self-employment	---	80%	80%	60%

30. Details of Infrastructural facilities

a) **Library-** Central Library has 250 Titles and 307 Books on Music and 01 Magazine

b) Internet facilities for Staff & Students- Wi- Fi Facility

c) Class rooms with ICT facility – NIL

d) Laboratories- 1 Music Room with Sound System. Following Instruments & facilities are available:

MUSICAL INSTRUMENTS

1. Tabla Pair 04
2. Tabla Tanpura 06
3. Tabla Chattu 02
4. Harmonium 02
5. Tanpura (Elec.) 02
6. Keyboard 01

SOUND SYSTEM

1. Behringer Amplifier 01
2. Speaker Aerons 02
3. Mixer 12 Channels 01
4. Wall Mount (Speaker) 02
5. Mic Schneider (wired) 08
6. Mic Stand 08
7. Cables (Mic) 08
8. Audio C.D. Player 01

AUDIO LIBRARY

Cassettes & CDs of:

- Classical Music
- Semi-Classical Music
- Light Music
- Folk Music of various states
- 5 elements of Earth (Music Today Series)

31. Number of students receiving financial assistance from college, university, government or other agencies. NIL

32. Details on student enrichment programmes (special lectures / workshops/seminar) with external experts

No	Title/Type of Programme	Name of Resource Person/s	Date
1	**Basant Utsav**	Dr. Hukam Chand, Professor, Dept. Music, MDU, Rohtak	21 March,2014
2	**Shashtriya Va Sugam Sangeet mein Bandish tatha Vistar ki Avdharana**	Dr. Suchismita, Chairperson, Deptt. Music & Dance, KU, Kurukshetra	31 March,2015

3	**Relationship Between Classical Music & Light Music**	Dr. Harvinder Sharma, Former Principal, Govt. College, Kalka	26 March,2016

33. Teaching methods adopted to improve student learning

- Lecture Method
- Demonstration
- Group Discussion
- Audio aids

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

Faculty of Music (Vocal) actively participates in following Social Welfare activities:

- Women Empowerment at All India Radio (AIR), Kurukshetra
- Blood Donation
- Financial Assistance to natural disaster relief funds
- Tree Plantation & Cleanliness of the campus
- Monthly Donation for Gau Shala

Students of the Dept. participated in following activities:

- Performed in National Voter's Day function organized by Haryana Govt., at Ambala City (Session 2012-13 to 2015-16)
- Students of the Dept. perform every year in Independence Day & Republic Day Celebration held in the College.
- Many Students are members of NSS & NCC, who actively participate in Blood Donation Camps, Tree Plantation, Social Camps, Republic Day & Independence Day Parade etc.

35. SWOC analysis of the department and Future plans:

STRENGTHS:

- Highly qualified and experienced staff.
- Dedicated Students.
- Excellent Infrastructural facilities.
- Guidance to Students for Stage Performances, Live Shows, Studio Recordings etc.
- Voice Culture

WEAKNESS:

- Students losing interest in Classical Music
- Lesser opportunities for exposure to talent in the region

OPPORTUNITIES:

- Stage performances
- Live Shows
- Play Back Singing
- Personality Development

CHALLENGE:

- To bring the students' interest in Hindustani Classical Music.

FUTURE PLANS:

- To bring ICT facilities to Students in class.
- To start classes (once a week) for the students of other faculty i.e. Science and Commerce etc.
- Preparing Audio-Video Lecture for E-learning.

Department of Physical Education

1. **Name of the department:** Department of Physical Education

2. **Year of Establishment:** Since the inception of the College

3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):**
   - UG Programs— B.A. I, II & III

4. **Names of Interdisciplinary courses and the departments/units involved:**

   NIL

5. **Annual/ semester/choice based credit system (programme wise):**

   Semester

6. **Participation of the department in the courses offered by other departments** NIL

7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** NIL

8. **Details of courses/programmes discontinued (if any) with reasons:** NIL

9. **Number of Teaching Posts: (Three)**

Teaching Post	Sanctioned	Filled
Associate Professors	1	1
Asst. Professors	2	--

10. **Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,):**

Name	Qualification	Designation	Specialization	Experience	No. of Ph.D. Students guided
Dr. Shashi Rana	Ph. D.	Asso. Prof.	Sports Psychology	32 years	01

11. **List of senior visiting faculty:** NIL

12. **Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:** NIL

13. Student -Teacher Ratio (programme wise):

Programme	Student-Teacher Ratio
UG	22:1

14. **Number of academic support staff (technical) and administrative staff; sanctioned and filled:**
01 Ground man

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.
Ph. D. — 01

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: NIL

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received: NIL

18. Research Centre /facility recognized by the University: NIL

19. Publications:

a) Publication per faculty

Number of papers published in peer reviewed journals (national /international) by faculty and students:

Name of Faculty	Papers			Books			
	International	National	Proceedings	Book Edited	Chapters in Book	Total Publications	Impact factor
Dr. Shashi Rana	**1**	**3**	**--**	**--**	**--**	**4**	--

20. Areas of consultancy and income generated:

Established Cricket Academy for children of different age group.

21. Faculty as members in:

a) National committees b) International Committees c) Editorial Boards:
Dr. Shashi Rana: Life member of Council of Behavioral Scientists

22. Student projects:

a) Percentage of students who have done in-house projects including interdepartmental/ programme: NIL

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: NIL

23. Awards / Recognitions received by faculty and students

	No. of Awards received by the Students				
Year	**2011-12**	**2012-13**	**2013-14**	**2014-15**	**2015-16**
UG	51	58	45	26	51
PG	2	5	4	1	5
Total	**53**	**63**	**49**	**27**	**56**

24. List of eminent academicians and scientists / visitors to the department:

NIL

25. Seminars/ Conferences/Workshops organized & the source of funding:

a) National: NIL

b) International: NIL

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			* M	*F	
	2012-13				**2014-15**
B.A	71	71	---	---	80%

*M = Male *F = Female

27. Diversity of Students:

Name of the Course	Total Students	Percentage of Students From the Same State	Percentage of Students From Other States
UG(2015-16)	154	98%	2%

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

Examination	No. of Students
NET	Sanjay
	Ajay Alexender
	Rani
Defence Services	Shafali
	Punit Chauhan
Govt. Job	Ram Sarup as Swimming Coach
	Raman as Handball Coach
	Kusum as Handball Coach
	Sourabh in AG, Haryana
	Rani as Assistant Professor

	Vikas in India Railway
	Sandhaya in Forest Department
	Ekta in Haryana Police
	Mohit Verma in ONGC
	Jagdeep as Taek Wondo Coach

29. Student progression:

Year wise details of players won/participated in Zonal/Inter- Zonal/Inter-University/ State level / National Level Games

Year	Zonal			Inter-Zonal			Inter-University			State Level			National Level			Grand Total
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	
2011-12	26	22	**48**	29	22	**51**	8	8	**16**	23	12	**35**	2	2	**4**	**154**
2012-13	40	32	**72**	40	23	**63**	3	7	**10**	7	21	**28**	5	4	**9**	**182**
2013-14	33	37	**70**	32	24	**56**	4	5	**9**	14	17	**31**	3	4	**7**	**173**
2014-15	42	25	**67**	--	5	**5**	1	3	**4**	6	14	**20**	--	1	**1**	**97**
2015-16	49	37	**86**	7	18	**25**	8	5	**13**	15	15	**30**	2	3	**5**	**159**
2016-17	58	36	**94**	4	22	**26**	1	6	**7**	14	15	**29**	--	3	**3**	**159**

30. Details of Infrastructural facilities

a) Library: The Central Library has about 176 Titles on Physical Education

b) Internet facilities for Staff & Students:

- Wi-Fi facility for Students & Faculty
- 01 Desktop with 3-in-1 Printer/ Scanner/ Copier

c) Class rooms with ICT facility: None

d) Laboratories: Not Applicable

e) Infrastructure & Equipment

- Standard Track- 6 lane/ 400 m
- All weather cricket pitch- Turf & Cemented
- Standard Football Ground
- Handball Ground
- Basketball Court
- Indoor Badminton Courts-2
- Table Tennis Room with Table
- Multi-station Gymnasium
- Grass cutting Machine

31. Number of students receiving financial assistance from college, university, government or other agencies:

Session	No. of students	Amount
2011-12	**106**	**77, 430**

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts:

Organized Kurukshetra University Zonal/Inter-Zonal Competitions.

Session: 2015-16

- Zonal/Inter-Zonal Badminton (men)
- Zonal/Inter-Zonal Football (men)
- Zonal Table Tennis (men & women)
- Zonal/Inter-Zonal Cricket (women)
- Zonal Cricket (men)

Session: 2016-17

- Zonal/Inter-Zonal Cricket (women)
- Zonal Football (men)
- Zonal Table Tennis (men & women)
- Zonal Handball (men & women)
- Zonal Cricket (men)

33. Teaching methods adopted to improve student learning:

- Lecture Method
- Practical Training in Field
- Chalk & Board Method

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

- The students from the department actively participate in all the extension and social activities organized in the college.
- The students not only participate in all the Voluntary Blood Donation Camps organized by the college and maintain discipline on the spot but also enthusiastically donate blood.
- The students also participate in the parades organized to celebrate National Festivals in the college.
- Students of the department also help in organizing friendly matches between the Teaching & Non-teaching staff/ NSS volunteers & NCC Cadets of the college.

28. SWOC analysis of the department and Future plans:

- **Strengths:**
  - The best infrastructural facilities of the region.

- The department has produced sportspersons of National & International repute.
- An alumnus of the department, Sh. Ashok Bansal, was awarded Dronacharya award by the Centre Government.
- The college provides a substantial amount as financial assistance/ prize money to the budding sports persons.

- **Weakness:**
  - Lack of permanent staff
  - The sports persons are not able to keep up with the academic schedule of the university which makes the parents anxious about their career.

- **Opportunities:**
  - Haryana being the sports capital of the country provides greater opportunities to the students.
  - Number of awards and financial assistance is given to the sportspersons by the Government.

- **Challenges:**
  - To make the sports persons excel on the National/ International level
  - To create job opportunities for the students of the department.
  - To start degree course in Physical Education.

Department of Physics

1. **Name of the department:** Physics
2. **Year of Establishment:**
   - **UG:** Since Inception of college
   - **PG:** Since July 2008
3. **Names of Programmes/Courses offered:**
   - **UG Course:** B.Sc. Non-Medical
   - **PG Course:** M.Sc. Applied Physics
4. **Names of Interdisciplinary courses and the departments/units involved:** NIL
5. **Annual/semester/choice based credit system (programme wise):** Semester System
6. **Participation of the department in the courses offered by other Departments:**
   Physics is offered as subject in B.Sc. Electronics/ IT/ CAV/ Home Sc.
7. **Courses in collaboration with other Universities, industries, foreign institutions, etc.** NIL
8. **Details of courses/programmes discontinued (if any) with reasons:** NIL
9. **Number of teaching posts:**

Teaching posts	Sanctioned	Filled
Associate Professors	02	02
Asst. Professors	06	04*
Asst. Professors (Temporary)	06	06

* One. Vacant & one on study Leave

10. **Faculty profile with name, qualification, designation, specialization:**

Name	Qualification	Designation	Specialization	Exp (Yrs)	No. of Ph.D. Students guided
Dr. Sunil Sharma	M.Sc., M. Phil, Ph. D	Associate Prof.	Theoretical Condensed Matter	32	NIL
Dr. Dharmbir	M.Sc., Ph. D	Associate Prof.	Nuclear Physics	26	NIL
Dr. R. L. Dhiman	M.Sc., Ph. D	Assistant Prof.	Material Science & Nanotechnology	10	NIL
Dr. Prem Singh	M.Sc., Ph. D	Assistant Professor	Nuclear Physics	10	01 (Enrolled)
Dr. Krishan Kumar	M.Sc., NET, Ph. D	Assistant Professor	Theoretical Condensed Matter Physics	08	NIL

Mr. Gurvinder Singh (*)	M. Sc, NET	Assistant Prof.	Theoretical Condensed Matter	08	NIL
Mrs. Rubi	M.Sc., M. Phil, NET	Assistant Prof.	Material Science & Nanotechnology	03	NIL
Dr. Samiksha Verma	M. Sc., Ph. D	Assistant Prof.	Material Science, Magnetic Materials, Ferrites	02	NIL
Mrs. Jagjeet Kaur	M. Sc., NET	Assistant Prof.	Particle & Computational Physics	02	NIL
Mrs. Varun Windlass	M. Sc.	Assistant Prof.	Applied Physics	06	NIL
Mrs. Roopa Yadav	M. Sc.	Assistant Prof.	Nuclear & Computational Physics	04	NIL
Mrs. Jasmeet Kaur	M. Sc.	Assistant Prof.	Nuclear & Electronics	02	NIL

* Study Leave w. e. f. Nov. 2016

11. List of senior visiting faculty

NIL

12. Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty:

Session 2015-2016

Class	Total Work load per week		Work load Taken by Regular Faculty			Work load of Temporary Faculty		
	Theory	Practical	Theory	Practical	%age	Theory	Practical	%age
B.Sc.-N.M.	12	78	06	54	66.60	06	24	33
B.Sc. -Elect.	12	18	12	06	60	-	12	40
B.Sc. C.A.V.	12	18	12	06	60	-	12	40
B.Sc. IT	03	-	-	-	-	03	-	100
B.Sc. Home Sc	03	03	-	-	-	03	03	100
M.Sc. Applied Physics	40 (hours)	80 (hours)	30 (hours)	48 (hours)	65	10 (hours)	32 (hours)	35

13. Student-Teacher Ratio (programme wise):

Level	Class	Student/teacher ratio
UG	B.Sc. (N.M, Electronics, CAV, IT, H. Sc.)	20:1
PG	M.Sc. Applied Physics	15:1

14. Number of academic support staff (technical) and administrative staff :

Staff	Sanctioned	Filled
Lab Assistants	02	02
Lab Attendants	02	02+02*

*on Contractual Basis

15. Qualifications of teaching faculty with DSc/D.Litt/Ph.D/MPhil/PG.

PG=05, M. Phil=01, Ph.D=06

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:

Session	Name of faculty	Title of project	Funding Agency	Grant Received	Status (Minor/ Major)
2012-13	Dr. R. L. Dhiman	Synthesis and characterization of SnO_2 based Nano-particles for Gas Sensor Applications	UGC	180000-00	Minor
	Dr. Prem Singh	Physio-Chemical and Energy dispersive X-ray fluorescence characterization of Water samples from different areas of Haryana (India)	UGC	180000-00	Minor
2016-17	Dr. R. L. Dhiman	Synthesis, Characterization and Photocatalytic application of doped metal oxide nanostructures	UGC	245000-00	Minor
	Dr. Krishan Kumar	Finite Temperature Exchange Correlation Effects in Coupled Quantum Well Structures	UGC	400000-00	Minor
	Dr. Ramesh Kumar	A theoretical Study to some Physical Potentials in Higher Dimensions	UGC	300000-00	Minor

17. Departmental projects funded by DST-FIST;UGC, DBT, ICSSR, etc. and total grants received:

Session	Number of Projects	Name of funding Agency	Grant Received
2012-2013	06	UGC Under BSR Scheme	30000-00
2014-2015	04	UGC Under BSR Scheme	20000-00

18. Research Centre/facility recognized by the University: NIL

19. Publications:

a) Publication per faculty

- **Number of papers published in peer reviewed journals (national/International) by faculty and students:** 21

- **Number of publications listed in International Database** 18
- **Monographs** NIL
- **Chapter in Books** NIL
- **Books Edited** NIL
- **Books with ISBN/ISSN numbers with details of publishers** 08

1.	Properties of Matter, Kinetic Theory of Gases and Semiconductor Devices	Dr. Roshan Lal (Co-author)	2015	Vijaya Publications, Ludhiana. ISBN- 978-81-928517-8-5
2.	Graduates' Physics Practicals I	Dr. Krishan Kumar (Co-author)	2015	Raj & Sons Publishers, New Delhi ISBN-
3.	Graduates' Physics Practicals II	Dr. Krishan Kumar (Co-author)	2015	Raj & Sons Publishers, New Delhi ISBN-
4	Graduates' Physics Practicals III	Dr. Krishan Kumar (Co-author)	2015	Raj & Sons Publishers, New Delhi ISBN-
5.	Quantum Mechanics	Dr. Krishan Kumar (Co-author)	2016	A. S. Prakashan, Meerut ISBN-978-93-85795-527
6.	Quantum and Laser Physics	Dr. Krishan Kumar (Co-author)	2016	A. S. Prakashan, Meerut ISBN-978-93-85795-657
7.	Wave and Optics -I	Dr. Krishan Kumar (Co-author)	2016	A. S. Prakashan, Meerut ISBN-978-93-85795-51-0

* **Citation Index:**

1.	Dr. Sunil Sharma	Physics	**14**
2.	Dr. Prem Singh	Physics	**45**
3.	Dr. Krishan Kumar	Physics	**18**
4.	Dr. R.L. Dhiman	Physics	**82**
5.	Ramesh Kumar	Physics	**51**

* **SNIP:** NIL
* **SJR:** NIL
* **Impact factor:** Average 0.65

* **h-index:** NIL

Name of Faculty	Papers			Books	Total Publications	Impact factor	Total Citations	h-Index	SNIP	SJR
	International	National	Proceedings	Book Authored						
Dr. R. L. Dhiman	03	00	07	01	11	---	82	---	---	---
Dr. Prem Singh	---	03	---	---	03	---	---	---	---	---
Dr. Krishan Kumar	01	00	08	06	15	---	18	---	---	---
Mr. Gurvinder Singh	---	---	03	01	04	---	---	---	---	---
Mrs. Rubi	---	01	---	----	01	---	---	---	---	---
Dr. Ramesh Kumar	---	05	----	----	05	---	51	---	---	---

List of Publications of Faculty Members of the Department

Dr. R. L. Dhiman (10)

1. "Synthesis and Characterization of Tin-Oxide Nano-particles via Sol Gel method using Ethanol as solvent" *International Journal of Advance Research in Science & Engineering* Vol. 2 1 (2013) 6 (Impact factor 1.14, Peer-Reviewed International Referred Journal).
2. "Conventional and Microwave Assisted Synthesis and Characterization of Antimony doped Tin-oxide Nano-particles" *International Journal of Advance Research in Science & Engineering* Vol. 21 (2013)5(Impact factor 1.14, Peer-Reviewed International Referred Journal).
3. "Structural Investigation of Zinc Ferrite Aluminates" Conference proceedings of international journal of Engineering Research and Technology (2013) (Impact factor 1.73, Peer-Reviewed International Referred Journal).
4. "Structural and Physical Properties of Vanadium Doped Copper Bismuth Borate Glasses" DAE-SSPS Vol. 57 (2012), 598 Published by

American Institute of Physics (Impact factor 0.39, Referred E-Journal).

5. "Investigation of Tin-oxide Nano-fibers Synthesized via Bio-Templet technique" National Conference on Advanced Materials and Radiation
6. Physics (AMRP-2015) Published by American Institute of Physics (Impact factor 0.32, Referred E-Journal).
7. "Structural investigation of Li2O3-Bi2O3-B2O3 Glasses" DAE-SSPS 1349 (2011), 541 Published by American Institute of Physics (Impact factor 0.43, Referred E-Journal).
8. "Optical Properties of Alkaline Earth Ions Doped Bismuth Borate Glasses" DAE-SSPS 1349 (2011), 545 Published by American Institute of Physics (Impact factor 0.43, Referred E-Journal).
9. "Cation Distribution in Zinc Ferrite Aluminates" Proceedings of National Conference Recent Advances in Material Science (2012).
10. "Physical and Electrical Properties of Copper Oxide Doped Bismuth Borate Glasses" RAM 1536 (2013), 685 Published by American Institute of Physics (Impact factor 0.36, Referred E-Journal).
11. "Methanol Assisted Synthesis and Characterization of Tin Oxide Nanoparticles" RAM 1536 (2013), 275 Published by American Institute of Physics,(Impact factor 0.36, Referred E-Journal).

Dr. Prem Singh (03)

1. "Potential of Some Fungal and Bacterial Species in Bioremediation of Heavy Metals" published by Peer-Reviewed, Print, Journal of Nuclear Physics, Material Sciences, Radiation and Applications with ISSN 2321-8649. Vol. 1 Issue 2 pages 1-11.
2. "Groundwater Quality Analysis of Safidon and Julana" Blocks of District Jind, Haryana, India in the Peer-Reviewed, E-Journal, Journal of Water Resource And Protection 4 (2012) 39-47with ISSN 1945-3094. Vol. 4 Issue 4 pages 39-47.
3. "Rayleigh and Compton Scattering Cross-sections for 19.648 Kev Photons" in the Peer-Reviewed, E-Journal, Nature and Science with ISSN 1545-0740. Vol9Issue 10 pages 70-7.

Dr. Krishan Kumar (09)

1. "Spin Polarized and Density Modulated Phases in Symmetric electron-electron/hole Bilayers" published by *Journal of physics Condensed matter*24, 415601 (2012). (Impact Factor 2.209, ISSN No. 1361-648X. Peer-Reviewed, E-Journal).
2. "Role of temperature on static co-relational properties in a spin-polarized electron gas" published by AIP Conference Proceedings 1728, 020681 (2016) (Referred E- Journal).
3. "Dynamical correlation effects on structure factors of spin polarized two-dimensional electron gas" published by AIP Conference Proceedings 1665, 080025 (2015) (Impact factor 0.22, Referred E-Journal).

4. "Effect of valley degeneracy on spin susceptibility of a two-dimensional quantum electron liquid" published by AIP Conference Proceedings 1591, 907 (2014) (Impact factor 0.32, Referred E-Journal).
5. "Dynamical correlation effects on pair-correlation functions of spin polarized two-dimensional electron gas" published by AIP Conf. Proc. 1536, 949 (2013), (Impact factor 0.36, Referred E-Journal).
6. "Spin susceptibility of a symmetric electron bilayer" published by AIP Conf. Proc. 1447, 1223 (2012) ((Impact factor 0.39, Referred Journal).
7. "Tuning ferromagnetic instability in AlAs quantum well via well width" published in proceedings of the National conference on Recent Advances in material Science, Dyal Singh College Karnal, 155 (2012) (ISBN: 81-8045-086-4).
8. "Suppression of spin polarization in a symmetric electron-electron bilayer" published by AIP Conf. Proc. 1393, 345 (2011) (Impact factor 0.43, Referred E-Journal).
9. "Spin resolved pair-correlation functions of the two-dimensional electron gas at arbitrary spin polarization" published by AIP Conf. Proc. 1349, 649 (2011) (Impact factor 0.43, Referred E-Journal).

Mr. Gurvinder Singh (03)

1. "Dynamical correlation effects on structure factors of spin polarized two-dimensional electron gas" published by AIP Conference Proceedings 1665, 080025 (2015) (Impact factor 0.22, Referred E-Journal).
2. "Effect of valley degeneracy on spin susceptibility of a two-dimensional quantum electron liquid" published by AIP Conference Proceedings 1591, 907 (2014) (Impact factor 0.32, Referred E-Journal).
3. "Correlation Effects on Plasmon Dispersion of a dilute Two-Dimensional Electron Gas at Finite Temperature" published by AIP Conf. Proc. 1536, 1274 (2013), (Impact factor 0.36, Referred E-Journal).

Dr Ramesh Kumar (05)

1. "Solutions to the N-dimensional radial Schrödinger equation for the potential ar2 + br − c/r" published by *PRAMANA Journal of Physics*. 2014 JUNE. ISSN-830304-4289. Impact Factor-0.649.
2. "Reply to Comment on 'Series solutions to the N-dimensional radial Schrodinger equation for the quark–antiquark interaction potential" published in *Physics Scripta*. 2012 July. ISSN-861402-4896Impact Factor-1.126.
3. "Asymptotic Study to the N-Dimensional Radial Schr¨odinger Equation for the Quark-Antiquark System" published in *Communication in Theoretical Physics*. 2013 February. ISSN- 580253-6102. Impact Factor-0.893.
4. "Series solutions to the N-dimensional radial Schrodinger equation for the quark–antiquark interaction potential" published in *Physics Scripta*2012, May. ISSN-851402-4896. Impact Factor-1.126.
5. "Energy Spectra of the Coulomb Perturbed Potential in □-Dimensional Hilbert Space" published in *Chinese Physics Letter*.2012March. ISSN-291741-3540. Impact Factor-0.927.

Mrs. Rubi (01)

1. **"Tailoring Structural Properties of Polyethylene Terephthalate (PET) by200 keVAr+ ion implantation"** Published in the Peer-Reviewed, E-Journal, *and Advanced Materials Research* Vol. 665 pages 221-226.

20. Areas of consultancy and income generated:

Nature of consultancy	Name of Industry/NGO/Institute	Income Generated if any in Rs.
Consultancy about the working and setting-up of new experiments related to Physics	Ambala Scientific Instruments Manufacturer Association (ASIMA)	Honorary Consultancy

21. Faculty as members in a) National committees b) International Committees c) Editorial Boards…

Nature of faculty member	National Committee/Inetrnational/ Editorial Board	Any Other committee / Board
Dr. Sunil Sharma	-------	Member UG BOS KUK
Dr. R. L. Dhiman	Referee of International Journal " Journal of Physics, Chemistry of Solids" *Elseveir* (Science Direct)	
Dr. Prem Singh Dr. Krishan Kumar Mr. Gurvinder Singh Mrs. Rubi	Life Members Indian Association of Physics Teachers (IAPT)	---------
Dr. R. L. Dhiman Dr. Prem Singh Dr. Krishan Kumar Mr. Gurvinder Singh Mrs. Rubi	Life Members, Vigyan Bharti Haryana	---------

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme

- As a part of syllabus Curriculum, it is compulsory for M.Sc. applied Physics Sem.-IV students to complete one in-house project.

Session	No. of In-House Projects/Total Strength	%age of Students
2011-2012	34/34	100
2012-2013	25/25	100
2013-2014	48/48	100
2014-2015	46/46	100

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies:

- **As a part of syllabus Curriculum, it is compulsory for M.Sc. applied Physics Sem.-II students to complete a project in an industry or Scientific Lab related to Physics.**

Session	No. of Outside projects	% age of Students
2011-2012	27/27	100
2012-2013	49/49	100
2013-2014	47/47	100
2014-2015	45/45	100

23. Awards/Recognitions received by faculty and students:

Title of Award	Name of faculty	Year
Meritorious work in Academics by Maha Rana Partap Memorial Inter College, Shimlana, Saharanpur, U.P.	Dr. Prem Singh	2012
Best Paper Presenter in International Conference in International Podar College, Jaipur	Mrs. Rubi	2016

Awards/Recognitions received by Students					
Awards Year	No. of Physics Distinctions				
	2011-12	**2012-13**	**2013-14**	**2014-15**	**2015-16**
UG	45	101	60	54	72
PG	08	20	23	22	27
Total	53	121	83	76	99

24. List of eminent academicians and scientists/visitors to the Department

- Dr. Tankeshwar, Vice Chancellor, GJU S&T, Hisar.
- Prof. Ajay Gupta, Former Centre Director, UGC-DAE Consortium for Scientific Research, Indore.
- Dr. B. N. Jagtap, Director, Chemistry Group, BARC, Mumbai.
- Dr. K. L. Ramkumar, Director, Radio Chemistry and Isotope Group, BARC Mumbai.
- Dr. A. V. R, Reddy, Head, Analytical Chemistry Division, BARC, Mumbai.
- Dr. P. C. Kalsi, Analytical Chemistry Division, BARC, Mumbai.
- Dr. T. Krair, BARC, Mumbai.
- Dr. J. Bhatt, BARC, Mumbai.
- Prof. Shyam Kumar, Dean Faculty of Science, K. U. Kurukshetra.

- Prof. R. K. Moudgil, Department of Physics, K.U. Kurukshetra.
- Prof. M. S. Yadav, Department of Physics, K. U. Kurukshetra.
- Prof. Fakir Chand, Department of Physics, KUK
- Prof. A. N. Garg, Amity University, Noida.
- Prof. D. Mehta, Department of Physics, Panjab University, Chandigarh.
- Prof. S. K. Tripathi, Dept of Physics, Panjab University, Chandigarh.
- Prof. B. S. Sandhu, Dept of Physics, Panjabi University, Patiala
- Prof. Harbhajan Singh, Dept of Physics, Panjabi University, Patiala.
- Prof. Ashish Aggarwal, G. J. U. of Science and Technology, Hissar.

25. Seminars/Conferences/Workshops organized & the source of funding

Year	Title of workshop/Seminar/Conference	Funding Agency
2014	87th BRNS-IACANS National Workshop on "Radiochemistry and Applications of Radioisotopes" Organized jointly by Board of Research in Nuclear Sciences, Department of Atomic Energy & Physics Department S. D. College, Ambala Cantt from October, 6-11, 2014.	Department of Atomic Energy and Board of Research in Nuclear Science (BRNS)
2015	1 day National Seminar on 21-03-2015 on the topic Recent Developments in Theoretical & Experimental Physics (RDTEP-15).	UGC
2015	Two Days National Workshop on Computational Physics on March 30-31, 2015.	UGC
2015	One day National Conference sponsored by DGHE on 07-11-2015 on the topic Current Advances in Theoretical &Experimental) Physics (CATEP-15	Director General Higher Education, Haryana

26. Student profile programme/coursewise:

Name of the Course/programme	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.Sc Non. Med.	200	118	44	74	78
B.Sc Electronics	50	31	21	10	77
B.Sc C.A.V.	45	11	7	4	72
B.Sc IT	70	38	26	12	78
B.Sc Home Sci.	25	13	00	13	60
M.Sc. Applied Physics	150	46	15	31	92

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	%of students from abroad
B. Sc (Non- Med.)	99	1	00
M.Sc. (Applied Physics)	99	1	00

28. How many students have cleared national and state competitive examinations such as NET, SLET ,GATE , Civil services ,Defense services ,etc.?

Session	Examination Passed					
2011-16	SSC	NET/GATE /IIT JAM/NIT/other Entrance exams	IBPS/PO/BANK	Defence /CDS	JRF	HTET/CTET
	01	**13**	**03**	**11**	**02**	**02**

29. Student progression

Student progression	Against % enrolled
UG to PG	70
PG to M.Phil.	Nil
PG to Ph.D.	04
Ph.D. to Post-Doctoral	Nil
Employed -Campus selection -Other than campus recruitment	 04 04
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities:

(a) Main Library:

No. of titles	No. of copies	Research Journals	Monthly Magazines
932	2500	04 i. Bulletin of Material Science ii. Current Science iii. Parmana journal of Physics iv. Resonance	03 i. Physics for you ii. Electronics for You iii. Junior Science Refresher

(b) Department Library: NA

(c) Internet facilities for Staff & Students:

Two internet Connections with Laser Printer, Scanner and photocopier.

(d) Class rooms with ICT facility:

03 (Two Laptops, Two Smart boards, Three LCD Projectors)

(e) Laboratories:

09 (02 PG Labs, 02 Computer Labs separately for PG & UG, 02 Darks Rooms, 02 UG Labs, 01 Workshop)

31. Number of students receiving financial assistance from college, university, Government or other agencies:

Session	Total no. of Students Receiving financial Assistance	
	UG	PG
2011-12	**83**	**8**
2012-13	**63**	**4**
2013-14	**44**	**9**
2014-15	**161**	**7**
2015-16	**90**	**5**

32. Details on student enrichment programmes with external experts

Sno	Name of expert	Institute	Enrichment programme	Session
1.	Prof. M. S. Yadav	KUK	Expert Lecture on Microprocessor 8085	2011-12
2.	Prof. S. K. Tripathi	Panjab Univ. Chandigarh	Expert Lecture on Nano-Technology	2011-12
3.	Prof. R. K. Moudgil	KUK	Expert Lecture on Quantum Wells	2012-13
4.	Prof. B. S. Sandhu	Punjabi Univ. Patiala	Expert Lecture on Nuclear Techniques	2014-15
5.	Prof. Tankeshwar	Punjab Univ. Chandigarh	Workshop on Computational Physics	2015-16
6.	Dr. Vipin Bhatnagar	Punjab Univ. Chandigarh	Workshop on Computational Physics	2015-16
7.	Dr. Ashok Kumar	Punjab Univ. Chandigarh	Workshop on Computational Physics	2015-16
8.	Dr. Rajesh Kharab	K. U.K	Workshop on Computational Physics	2015-16

33. Teaching methods adopted to improve student learning

- Use of ICT using LCD Projectors.
- Seminars of UG & PG Students through Power point Presentation.
- Compulsory Project work for PG students.
- Regular Class Tests.
- Viva-Voce in Practical Classes.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

Sno	Session	Activities
1.	2011-12	(i) Participation in Blood Donation Camp organized jointly by S. D. college and Rotary Club Ambala Cantt in Collaboration with PGIMER, Chandigarh. (ii)Physio-Chemical & EDXRF Analysis of Groundwater of Ambala. (iii) Campus Cleanliness Drive.
2.	2012-13	(i) Joint workshop on Physics Instruments with Ambala Scientific Instruments Manufacturers Association. (ii) AIDS Awareness (Visit to Red Ribbon Express).
3.	2013-14	(i) Physio-Chemical Analysis of Groundwater of Some Villages of District Ambala. (ii) Pulse Polio(Helping District Administration to spread awareness among people about Polio)
4.	2014-15	(i) Participation in Blood Donation held in college campus in Collaboration with PGIMER, Chandigarh. (ii) Physio-Chemical Analysis of Groundwater of some villages of district, Yamuna Nagar, Haryana. (iii) Tree plantation in college campus. (iv) Campus Cleanliness Drive.
5.	2015-16	(i) Elemental Analysis of Satluj River Water Using EDXRF. (ii) Tree plantation in college campus (iii) Participation in Blood Donation held in college campus in Collaboration with PGIMER, Chandigarh.

35. SWOC analysis of the department and Future plans:

STRENGTH:

- Well qualified regular faculty
- Highly equipped and spacious labs with latest equipment and support facilities
- Being PG department students of UG classes get the exposure of ongoing developments in the subject through conferences, seminars organized by the department
- Department library for UG & PG students
- Smart Classrooms Equipped with ICT Facilities.

WEAKNESS:

- Less Field and industrial visits
- Less flexibility in university curriculum
- Due to limited funds/resources less contribution towards research and developments.

OPPORTUNITIES:

- Optimum utilization of resources and infrastructure to bridge the gap between university curriculum, market & society
- To develop suitable modules in-house to raise the status to center of excellence and nodal center to provide consultancy to others.

CHALLENGES:

- To set-up high standard research labs with research facilities in the department.
- To orient the students to develop problem solving and Job specific competencies
- To orient students and staff towards quality research work
- To develop scientific temperament among students

FUTURE PLANS:

- To set-up high standard Nanotechnology lab in department equipped with latest research facilities
- To set-up high performance computing lab in the department.
- To increase research activities in department by organizing conferences, workshops, seminars in collaboration with reputed universities or colleges.

Department of Political Science

1. **Name of the department:** Political Science

2. **Year of Establishment:** Since the inception of the College.

3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**
   - **UG Level:**
     Political Science in BA
     Political Science (Hons)

4. **Names of Interdisciplinary courses and the departments/units involved:** NIL

5. **Annual/ semester/choice based credit system (programme wise):** Semester Based

6. **Participation of the department in the courses offered by other departments:** NIL

7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** NIL

8. **Details of courses/programmes discontinued (if any) with reasons:** NIL

9. **Number of teaching posts**

Teaching Post	Sanctioned	Filled
Associate Professors	01	01
Asst. Professors	02	02

10. **Faculty profile with name, qualification, designation, specialization, D.Sc./D.Litt. /Ph.D. / M. Phil. etc.,):**

Name	Qualification	Designation	Specialization	Exp.	No. of Ph.D. Students guided
Dr. Ramesh Kumar	M.A., M. Phil, Ph.D.	Asso. Prof.	Indian Political System	23 Years	2
Dr. Chiman Lal	M.A., M. Phil, Ph. D	Asst Prof.	Political Thought	08 Years	1
Ms. Neelam Devi	M.A., B. Ed., NET	Asst Prof.	Indian Government & Politics	03 Years	NA

11. **List of senior visiting faculty:** NIL

12. **Percentage of lectures delivered and practical classes handled (programme wise)By temporary faculty** NIL

13. **Student -Teacher Ratio (programme wise):** 22:1

14. **Number of academic support staff (technical) and administrative staff; sanctioned and filled –**NIL

15. **Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.**
Ph. D. – 02; PG- 01

16. **Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:** NIL

17. **Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:**

Investigator	Session	Status	Topic	Agency	Grant
Chiman Lal	**2011-12**	**Completed**	Socio-Political Foundations of Lok-Pal and Role of Media in Peoples' Movements Respectively	**UGC**	**2.00**

18. **Research Centre /facility recognized by the University:** NIL

19. **Publications:**

a) **Publication per faculty**: **Ms. Neelam- 03**

- Published a research paper titled 'Coalition Politics in India: Retrospect and Future Prospects' in the Peer-Reviewed **Chintan**, ISSN 2229-7227. Vol 20 Issue 20 pages 228-233.

- Published a research paper titled 'Kashmir Issue and Article-370: An Overview' in the Peer-Reviewed **Darpan International Research Analysis**, ISSN 2321-3094. Vol 2 Issue 9 pages 73-75.

- Published a research paper titled 'The Emerging Trends of Tibet Issue: An Overview' in the Peer-Reviewed **Darpan International Research Analysis**, ISSN 2321-3094. Vol 1 Issue 4 pages 70-73.

b) **Number of papers published in peer reviewed journals (national /international) by faculty and student:** 03

c) **Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete,**

Dare Database - International Social Sciences Directory, EBSCO host, etc.) NIL

d) Monographs NIL

e) Chapter in Books NIL

f) Books Edited NIL

g) Books with ISBN/ISSN numbers with details of publishers: NIL

h) Citation Index NIL

i) SNIP NIL

j) SJR NIL

k) Impact factor 2.38

l) h-index NIL

20. Areas of consultancy and income generated:

Honorary Consultancy is provided by Dr. Ramesh Madan to other institutions and agencies as detailed below:

Faculty Member	Area/Type of Consultancy
Dr. Ramesh Madaan	• Political Analyst, Politics of Haryana, Constitution of India • Advisor, Centre for Human Rights Initiative, Training and Research Association, **CHITRA** (2012-2014)

21. Faculty as members in:

a) National committees b) International Committees c) Editorial Boards

- **Dr. Ramesh Madan is Member of the following National & International Associations:**

- Indian Political Science Association (IPSA)
- Indian Institute of Public Administration (IIPA)
- Indian Public Administration Association (IPAA)
- Indian Society of Gandhian Studies (ISGS)
- Indian Society for Buddhist Studies (ISBS)
- Indian Institute of Advanced Study, Book Club (IIAS)
- The Institute of Constitutional and Parliamentary Studies (ICPS)
- The Indian Society of International Law (Associate Membership) (ISIL)
- New Public Administration Society of India (NEPASI)

- North West Indian Sociological Association (NWISA)
- Youth Hostels Associations of India (YHAI)
- Academy for Asia Pacific Studies (AAPS)
- Association of Third World Studies (ATWS)
- International Association for the Future of Humanity (IAFH)
- World Peace Movement Trust (WPMT)
- International Political Science Association (IPSA)

22. Student projects:

a) Percentage of students who have done in-house projects including inter departmental/programme: NIL

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies NIL

23. Awards / Recognitions received by faculty and students:

- **Dr. Ramesh Madan** was awarded **Certificate of Appreciation** for **Mission of World Peace** by Rumination Literary and Cultural Society, Meerut at Ghaziabad on September 22, 2014.

24. List of eminent academicians and scientists / visitors to the department:

- Dr. Ramji Lal, Ex- Principal, Dayal Singh College, Karnal

25. Seminars/ Conferences/Workshops organized & the source of funding:

a) National –NA
b) International-NA

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.A Gen (2012-2015)	172	172	--	--	85%
B.A Hons (2011-14)	04	04	--	--	100%

*M = Male *F = Female

27. Diversity of Students:

Name of the Course	% of students from the same state	% of students from other States
B.A. (Gen)	96.7	3.3
B.A. (Hons)	100	---

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

- Amneet Kaur: NET
- Komal Singh Chauhan: NET

29. Student progression:

Student progression	2011-12	2012-13	2013-14	2014-15	2015-16
UG to PG (B. A.)	30	30.3	13.6	15.3	4.3
PG to M.Phil.	Nil	Nil	Nil	Nil	Nil
PG to Ph.D.	Nil	Nil	Nil	Nil	Nil
Employed • Campus	---	---	---	---	---
Other than campus recruitment (B.A.)	21.2	38.6	19	12	13
Entrepreneurship/Self-employment	14.4	9.5	9.0	3.4	10.7

30. Details of Infrastructural facilities:

a) **Library-** The Central Library has 1200 Titles and 1530 Books on Political Science.

b) **Internet facilities for Staff & Students-** Wi-Fi Campus

c) **Class rooms with ICT facility-** NIL

d) **Laboratories-** NA

31. Number of students receiving financial assistance from college, university, government or other agencies:

As given in main SSR.

32. Details on student enrichment programmes (special lectures/ workshops/ seminar) with external expert:

S No.	Activity	Topic	Date
1.	Debate	Terrorism	21 Sep 2011
2.	Essay Writing Competition	Regional Political Parties, Political Violence, Terrorism	2011-12
3.	Essay Writing Competition	Indian Democracy, Human Rights Education	2012-13
4.	Essay Writing	Indian Democracy,	2013-14

	Competition	Human Rights Education, Lok Pal Bill	
5.	Quiz	Indian Politics	4 Nov 2015
6.	Educational Tour	Indian Parliament	19 Mar 2015
7.	Various Competitions	Electoral Awareness	9 Nov 2015
8.	Guest Lecture by Dr. Ramji Lal	Challenges before Indian Democracy	22 Mar 2016
9.	Quiz	--	10 Mar 2016
10.	Trip	Naina Devi, Anandpur Sahib & Nangal Dam	07 Nov 2016

33. Teaching methods adopted to improve student learning-

- Lecture –Cum Discussion
- Use of Audio- Visual Aids
- Debates
- Quiz
- Extension Lecture etc.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities.

Involvement of the faculty members in various teaching / research and extension activities of the institution from time to time through:

- Seminars
- Conferences
- Symposia
- Workshops
- Sports activities
- Cultural activities
- Social activities
- Awareness campaign
- Blood Donation Camps etc.

35. SWOC analysis of the department and Future plans:

Strength:

- Highly qualified and permanent staff
- Honours course allows specialization in the subject
- High demand for the subject

Weakness:

- Master's Degree not available
- Less exposure to practical aspects of the subject

Opportunities:

- Rise in demand for Political Analysts with the visual & print media

Challenges:

- More audio-visual infrastructure required.
- Participation of the students in Regional and National politics

36. Any other:

- **Miscellaneous Academic Achievements of Dr. Ramesh Madan:**
  - Presented **45** Research Papers in National Seminars/Conferences
  - Delivered **37** Extension Lectures in addition to those stated above
  - Attended **126** National Seminars/Conferences
  - Reviewed **06** Books
  - Editorial Assignments of **08** Journals
  - Organized **09 Seminars/Extension Lectures**
  - Attended **04** Refresher & Orientation Courses
  - Examiner & Paper-Setter of more than **10** Universities in India
  - Expert member/ Examiner for D. Lit., D. Sc. and Ph. D. — **Research and Recognition Committee**, Rashtrasant Tukado Ji Maharaj Nagpur University, Nagpur, Maharashtra
  - Advisor, Institute for Social Research & Development, Chandigarh for two years, 2015-17
  - Elected Executive Committee Member of New Public Administration Society of India (2015—2017)
  - Elected Executive Committee Member of IIPA, Haryana Regional Branch, Gurgaon (2014-2018)
  - Elected Executive Committee Member of IIPA, Haryana Regional Branch, Gurgaon (2011-2014)
  - Member, Advisory Board, Kalinga University, Raipur, Chhattisgarh, w.e.f. January 2014
  - Honorary Member, Rumination Literary and Cultural Society, Meerut, Uttar Pradesh, September 2014 onwards
  - Advisor, Centre for Human Rights Initiative, Training and Research Association, **CHITRA** (2012-2014)
  - Invited as a **Guest of Honour** in the Programme -**Awards for Academic Excellence-2011** by Human Welfare Foundation and PM Foundation at Nuh, Mewat, Haryana (December 4, 2011).

Department of Punjabi

1. **Name of the Department:** Punjabi

2. **Year of Establishment:** Since the inception of the College.

3. **Name of Programmes /Courses offered:** Punjabi in BA and B. Sc-II

4. **Name of Interdisciplinary Courses and the Departments/Units Involved:** NIL

5. **Annual/Semester/Choice Based Credit System(Programme Wise):** Semester

6. **Participation of the Department in the Courses Offered by Other Departments:**
   NIL

7. **Courses in Collaboration with Other Universities, Industries, Foreign Institutions, etc.:** NIL

8. **Details of Courses/Programmes Discontinued (if any)with Reasons:** NIL

9. **Number of Teaching Posts:**

Teaching Post	Sanctioned	Filled
Assistant Professors	01	01

10. **Faculty Profile with Name, Qualification, Designation, Specialization (D.Sc./D.Litt./Ph. D/M. Phil.etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience
Dr. Nirvair Singh	M.A., M. Phil., Ph.D.	Asst Prof	Medieval and Modern Punjabi Literature	09

11. **List of Senior Visiting Faculty:** NIL

12. **Percentage of Lectures Delivered and Practical Classes Handled (Programme Wise) Temporary Faculty:** NIL

13. **Student-Teacher Ratio (Programme Wise):** 22:1

14. **Number of Academic Support Staff(Technical)and Administrative Staff - Sanctioned and Filled:** NIL

15. **Qualifications of Teaching Faculty with D.Sc./D. Litt/Ph. D/M. Phil/PG.:**
    Ph. D. 01

16. Number of Faculty with Ongoing Projects from a)National b)International Funding Agencies and Grants Received: NIL

17. Departmental Projects Funded by DST-FIST;UGC, DBT, ICSSR, etc. and Total Grants Received: NIL

18. Research Centre/Facility Recognized by the University: NIL

19. Publications:

Name of Faculty	Papers			Books		Total Publications	Impact factor
	International	National	Proceedings	Book Edited	Chapters in Book		
Dr. Nirvair Singh	-	5	-	1	-	6	

20. Areas of Consultancy and Income Generated: NIL

21. Faculty as Members in
a) National Committees b) International Committees c) Editorial Boards: NIL

22. Student Projects
a) Percentage of Students who have done In-house Projects Including Inter-departmental /Programme: NIL
b) Percentage of students placed for projects in organizations outside the institution i.e.in Research Laboratories/Industry/ Other Agencies: NIL

23. Awards/Recognitions Received by Faculty and Students: NIL

24. List of Eminent Academicians / Visitors to the Department:

1. Dr. Kuldeep Singh Dhir, Former Professor, Dept. of Punjabi, P.U. Patiala
2. Dr. R.S. Dhillon, Former Head Punjabi, S.D. College, A/Cantt
3. Dr. S.P. Singh, Head Punjabi & Principal, G.N. Khalsa College, Karnal
4. Dr. Sudrashan Gasso, HoD Punjabi, GMN College, Ambala Cantt
5. Dr. Raj Singh, Registrar of Companies, Punjab, Chd. & H.P.
6. Dr. Sukh Dyal Singh, Former Professor, Dept. of Punjabi, P.U. Patiala
7. Prof. Paramvir Singh, HoD, Encyclopaedia of Sikhism, P.U. Patiala
8. Prof. R.S. Bhatti, Dept. of Punajbi & Dean of Languages, KUK
9. Prof. H.S. Randhawa, Dept. of Punjabi, KUK
10. Dr. Kuldeep Singh, Assistant Professor, Punjabi, KUK
11. Dr. Paramjeet Kaur, Assistant Professor, Punjabi, KUK
12. Dr. RajinderKaur, Principal, GGS Khalsa College, Aakher, Patiala
13. Dr. Mangat Singh, Principal, Govt. College, Saha, Ambala
14. Dr. Sukdhdev Singh, Principal, GHS Khalsa College, Ambala City.

15. Sh. Ashwani Gupta, Director, Punjabi Sahit, Academy, Haryana, Chd.
16. Dr. N.S. Virk, Dy. Chairman, Punjabi Sahit, Academy, Haryana, Chd.
17. Dr. Balwinder Singh, HoD, Govt. College, A/Cantt.
18. Dr. Mukhtyar Singh, HoD, G.N. Khalsa College, Yamunanagar
19. .Dr. Daljeet Kaur, Head Punjabi, SMS Labana College, Barara (Ambala)
20. Dr. Sukhwant Kaur Maan, Principal, Mata Sundri Girls College, Nissing (Karnal)

25. Seminars/Conferences/Workshops Organized & the Source of Funding:

Title of Seminar/Conference/ Workshop	Funding Agency	Amount Sanctioned	Date
One Day National Seminar on Human Freedom and Baba Band Singh Bahadar	Haryana Punajbi Sahit Academy	Rs. 50,000	04 Oct 2016

26. Student Profile Programme/Course Wise:

Name of the Course/ Programm	Applications Received	Selected	Enrolled		Pass %
			*M	*F	
UG (BA)	---	07	05	02	86
UG (B Sc)	---	117	84	43	70.4

*M=Male, *F=Female

27. Diversity of Students

Name of the Course	Total Students	Percentage of Students From the Same State	Percentage of Students From Other States
UG	106	85.9	14.1

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil Services, Defense Services, etc.?

Examination	No. of Students
NET	Devender Kumar (JRF)
Bank	Arun Dhir (PO)

29. Student Progression

Student progression	2011-12	2012-13	2013-14	2014-15	2015-16
UG to PG (B. A.)	30	30.3	13.6	15.3	4.3
PG to M.Phil.	Nil	Nil	Nil	Nil	Nil
PG to Ph.D.	Nil	Nil	Nil	Nil	Nil
Employed • Campus selection	---	---	---	---	---
Other than campus recruitment (B.A.)	21.2	38.6	19	12	13
Entrepreneurship/Self-employment (B.A.)	14.4	9.5	9.0	3.4	10.7

30. Details of Infrastructural Facilities:

a) Library: CDs: 4, Central College Library has 2260 Books, 01Journal

b) Internet Facilities for Staff & Students: Wi-Fi facility is available for the staff and students with 1 Laptops

c) Class Rooms with ICT facility: NIL

31. Number of Students Receiving Financial Assistance from College, University, Government or Other Agencies:
As per main SSR

32. Details on Student Enrichment Programmes (Special Lectures / Guest Lectures /Workshops/Seminar) with external Experts:

1	State Level Power Point Competition on Guru Nanak Dev Ji	S. D. College Amabla Cantt	Rs. 10,000

Guest Lectures

SNo.	Title/Type of Programme	Name of Resource Person/s	Date
Session: 2013-14			
1	Guru Nanak Dev Ji: Sarokar ate upchar	Dr. Kuldeep Singh Dhir, Former Professor, Dept. of Punjabi, P.U. Patiala	31-03-2014
2	Guru Nanak Dev Ji: Jivan ate Bani	Dr. S.P. Singh, Head, Punajbi, GN Khalsa College, Karnal	31-03-2014

33. Teaching Methods adopted to Improve Student Learning:

1. PPT
2. Quiz and Extempore

34. Participation in Institutional Social Responsibility(ISR) and Extension Activities:

- The Department of Punjabi actively participates in social activities like blood donations, financial assistance to flood/ drought relief funds.
- Faculty & Students take part in tree plantation, cleanliness drives.

SESSION	NAME OF THE ACTIVITY
2011-12	Tree Plantation
	Blood Donation Camp
	Teachers Day Celebration
2012-13	Rotaract District Training
	Daan-E-Aan- Distribution of food items to needy
	A Breakfast with Blind People
2013-14	Clothes and Blanket Distribution
	Blood Donation Camp
	Plantation Drive
2015-16	Joy of Giving(Blood Donation)
	Green City, Clean City
	Fund Raising for Cancer Patient

35. SWOC Analysis of the Department and Future Plans:

Strength:

- Regular classes are conducted with effective teaching and usage of ICT tools.
- Highly qualified and experienced staff
- Excellent infrastructural facilities
- Career awareness and guidance to students

Weakness:

- Limited infrastructure and ICT facilities in all classrooms
- Economically poor background of students.

Opportunities:

- In campus job opportunities for students
- Opportunity to enhance personality through various workshops conducted.

Challenges:

- To update the curriculum according to industry and societal requirements.
- To enhance soft and hard skills of students for creation of self-employability and entrepreneurship.

Future Plans:

- Motivating students to opt for higher studies.
- Improving the soft skills quotient of the students through maximum use of ICT tools and workshops.

Department of Sanskrit

1. **Name of the department:** Sanskrit

2. **Year of Establishment:** Since the inception of College.

3. **Names of Programmes/ Courses offered**
   - UG (Elective/ Compulsory)
   - Sanskrit Honours
   - Certificate Course in Human Rights

4. **Names of Interdisciplinary courses and the departments/units involved:**
   NIL

5. **Annual/ semester/choice based credit system (programme wise):**
   - UG & Honours— Semester
   - Certificate Course— Annual

6. **Participation of the department in the courses offered by other departments:**
   NIL

7. **Courses in collaboration with other universities, industries, foreign institutions, etc.**

   - Indian Psychology with Darshan Yoga Sansthan, Dalhousie
   - Sanskrit Mitra Mandalam, Ambala Cant.
   - Sarswatam (Regd) Chandigarh
   - National Awareness Forum, Ambala Cantt.

8. **Details of courses/programmes discontinued (if any) with reasons:**
   - UGC sponsored HR (term completed)
   - Dropped course on UGC sponsored Indian Psychology as no interest shown by authorities and no backup system to run course.

9. **Number of teaching posts:**

Teaching Post	Sanctioned	Filled
Associate Professors	02	02

10. **Faculty profile with name, qualification, designation, specialization, (D.Sc. /D.Litt. /Ph.D. / M. Phil. etc.,)**

Name	Qualification	Designation	Specialization	Exp	No. of Ph.D. Students guided
Dr. Uma Sharma	M.A. (Sanskrit, Hindi, Political Sc.), M. Phil and Ph. D, Certificate	Asso. Professor	Veda	25	---

	and Diploma course in German Language, Cert. courses in Yoga, Urdu Language, Environment Studies, Women Empowerment & Development and Post Grad. Diploma in Translation				
Dr. Ashutosh Angiras	MA, M. Phil, PhD	Asso. Professor	Indian Philosophy& Aesthetics	29	03

11. List of senior visiting faculty: NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: NIL

13. Student -Teacher Ratio (programme wise): 22:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: NIL

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.:

- Ph. D. 02

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received- NIL

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received.

- Completed UGC sponsored two Major Research Projects worth Rs. 3,75,000/-

18. Research Centre /facility recognized by the University-

- Sanatan Dharma Human Development Research and Training Centre

19. Publications:

a) Publication per faculty

Number of papers published in peer reviewed journals (national / international) by faculty and students 03

- Dr Uma Sharma published a paper titled 'Dvivediyugeen Kavitaavali Men Pravaahit Desh Prem' in the proceedings of two days National Seminar—'Role Of Music In Indian Nationalism' ed. by Dr. Paramjeet Kaur in 2014 (ISBN: 978-93-82529-04-0)
- Dr Ashutosh published a paper titled "Shaivshaikth drishtiyon ki avaidiketartaa" in Shri Vidyamantra Mahayoga, a research journal with ISSN 2277-5854, vol. Aug 2015. Pp- 59-64.

- Dr Ashutosh published a paper titled 'Bhagvad Gita me Vyaktitva Mulyankan Prashnavali' in Sanskaar Chetna. An International Research Journal with ISSN 2347-4041 published by Shodh Chetna Academy, Kurukshetra, Vol. Aug-Sep 2015. Pp- 23-28.

❖ **Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)** NIL

❖ **Monographs** NIL
❖ **Chapter in Books** NIL
❖ **Books Edited** NIL
❖ **Books with ISBN/ISSN numbers with details of publishers** NIL
❖ **Citation Index** NIL
❖ **SNIP** NIL
❖ **SJR** NIL
❖ **Impact factor** NIL
❖ **h-index** NIL

20. Areas of consultancy and income generated-

Areas of Consultancy	Income Generated
Indian Philosophy& Indian Psychology	Non-remunerative

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards….

Dr. Ashutosh Angiras

- Editor, Purva Mimaansaa (Bi-Annual Research Journal)
- Member, National Centre for Historical Research and Comparative Studies, Chandigarh
- Vice President, Darshan Yoga Sansthan, Dalhousie
- Organizing Secretary, National Awareness Forum, Amabala
- Member, Rashtra Bhasha Vichar Manch, Ambala

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme –

- All students of B Sc II did grammar projects using BARHA 8.0 software in PPT, Word.

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies - NIL

23. Awards / Recognitions received by faculty and students –

- Dr. Ashutosh Angiras was awarded Mahakavi Baana Bhatta Puruskar by Harayana Sanskrit Academy, Panchkula.

24. List of eminent academicians and scientists / visitors to the department:

- Dr. Ramakant Angiras, Ex Prof, Kalidas Chair, Dept. of Sanskrit, Punjab University, Chandigarh
- Prof. S .M Mishra, Dept of Sanskrit, KUK
- Prof. Girish Nath Jha, Special Center for Sanskrit Studies, JNU, Delhi
- Prof. Dalbir Singh Chahal, Dept. of Sanskrit, GND University, Amritsar

25. **Seminars/ Conferences/Workshops organized & the source of funding**

a) National

1. Organized one day National Seminar on 03-12-2011 on the topic 'Defining Indian & Western Tradition of Enquiry - With Reference to Questioning Techniques'.
2. Organized one day National Seminar on 30-03-2013 on the topic 'Defining Gross National Happiness Index - Issues & Challenges'.
3. Organized one day National Seminar on 30-08-2013 on the topic 'Consciousness as Life Principal in Sanskrit Tradition & Life Sciences: Looking for Integrating Approach'.
4. Organized one day National Seminar sponsored by DGHE on 18-12-2013 on the topic 'Assessing India's Threat Perceptions to Security & War Preparedness'.
5. Organized National Workshop on "Developing Vedic Gross National Happiness Index & Policy" sponsored by Department of Sanskrit S D College, Ambala Cantt on 13-09-2014
6. Organized Seminar on "Vedic Sciences & Principles of Physics" in collaboration with Department of Physics on 17-09-2014
7. Organized one day National Seminar on 09-05-2015 on the topic "Black Holes in Indian History".
8. Organized one day National Seminar on 24-10-2015 on the topic 'History& Philosophy of Indian Armed Revolution (1857 TO 1947) Part – 3'.

b) International - NIL

26. Student profile programme/course wise:

Name of the Course/programme	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B A Elective	**05**	**05**	**00**	**05**	**100**
B. Sc II Elective	**60**	**60**	**---**	**---**	**96.7**

*M = Male *F = Female

27. Diversity of Students:

Name of the Course	% of students from the same state	% of students from other States
B.A. (Compulsory)	**93.75**	**6.25**
B.A. (Elective)	**100**	**00**
B. A. (Skt. Hons)	**100**	**00**

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?

NET-02

29. Student progression

Student	2011-12	2012-13	2013-14	2014-15	2015-16
UG to PG (B. A.)	30	30.3	13.6	15.3	4.3
PG to M.Phil.	Nil	Nil	Nil	Nil	Nil
PG to Ph.D.	Nil	Nil	Nil	Nil	Nil
Employed • Campus	---	---	---	---	---
Other than campus recruitment (B.A.)	21.2	38.6	19	12	13
Entrepreneurship/Self-employment	14.4	9.5	9.0	3.4	10.7

30. Details of Infrastructural facilities:

a) Library: YES.

- Departmental library created by books purchased under MRP.
- The Central Library has more than 1163 books on Sanskrit

b) Internet facilities for Staff & Students:

- Wi-Fi facility for Students & Faculty
- 01 Desktop with 3-in-1 Printer/ Scanner/ Copier

c) Class rooms with ICT facility: NIL

d) Laboratories: YES.

The Department shares Language Lab for development of communication skills of its students and also for organizing workshops on Computational Sanskrit.

31. Number of students receiving financial assistance from college, university, government or other agencies:

- As given in main SSR.

- The faculty of the department also provides assistance to the needy students.

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts

- 'Personality development through Indian Astrology' under the UGC sponsored Innovative Progamme of Indian Psychology" by Prof. Shyam Nath Jha on 21.4.2014
- "Vedic Classes for all" from Maharshi Sandeepini Veda Vidya Pratishaan, Ujjain under the Ministry of Human Resource Development.
- Organized lecture for students on Entry Schemes for Armed Forces in collaboration with Army Education Corps on 28 -07-2014
- Organized lecture on "Organic food, Cow Economics" by Sh Anil Mittal, social activist on 20.8.2014
- Organized Workshop on " Metaphysics & Panch Mahayagya– Theory & Practice" along with Adhyaatmic Sabha & NSS on 26-09-2014
- Organized lecture of Maj Gen A K Shori on "Seven Shades of Rama" along with department of History on 01-10-2014
- Organized Regional Seminar " Sanskritagya ki Bhoomika– Dasha aur Dishaa" jointly organized by Dept of Sanskrit & Sanskrit Bhaarti on 16-11-2014
- Organized Chai Per Charcha Programme on the topic "Marxist Perception of Indian History" on 05-01-2015
- Organized function on Swami Vivekanand on 19-01-2015
- Organized function on Vasant Panchami on 23-01-2015
- Regional Seminar on "Critique of Karma & Labour" (In the context of Agrarian culture, Capitalism & Marxism) and "Black Holes in Indian History" on 1 May 2015.
- Guest Lecture on "Clean Earth Green Earth" by Dr. Suresh Deswal, Asso Prof, Geography, Govt. College, Ambala Cantt. On 21 July 2015.
- Organized lecture on "Cow Economics" by Sh Anil Mittal, social activist on 10.8.2015
- Panel discussion on "Veer Savarkar- His Philosophy & Influence on Revolutionary Struggle" on 22 Aug 2015. Main speaker- Sh. Mukesh Kumar, Gen. Secretary, Hindu Mahasabha, New Delhi.
- Extension Lecture on "Bhartiya Sanskriti ke Mool Adhaar" by Dr Jai Prakash Gupt, Amrit Chikitsalaya, Ambala Cantt in Aug 2015.

- Guest Lecture on "Art of Living and Indian Youth" by Ms. Ritu Talwar, Asso Prof, Sanskrit, DAV College, Jalandhar in Aug 2015.
- Extension Lecture on "Revisiting Western & Indian Aesthetic Theories" by Dr Shivani Sharma, Asso Prof, Philosophy, Punjab Univ, Chandigarh in July 2015.
- Extension Lecture on "Rights & Duties" by Sh. B. D. Thapar, Gen. Sec., National Awareness Forum in Aug 2015.
- Extension Lecture on "French Philosophies and Culture of Gita" by Sh. Mayank Anand, Asso Prof, French, Dept. of Foreign Languages, Punjab Univ, Chandigarh in Aug 2015.
- Extension Lecture on "History of Economic Slavery & Politics" by Sh. Balbir Saini, Speaker, Vidhan Sabha on 25 Aug 2015.
- Extension Lecture on the occasion of Raksha Bandhan by Dr Kamdev Jha, Principal, D.A.V. College, Pehowa on "Bhartiya Samaj ke Sambandh Sutra" on 28 Aug 2015.
- Lecture by Lt. Col. Vikram Singh, First Strike Force and Exhibition on "1965 Indo Pak War" for students on 31 August 2015
- Panel discussion on the occasion of Guru Purnima on 31 Aug 2015. Main speakers- Dr Vishnu Dutt Sharma, Principal, SD Sanskrit Adarsh College, Ambala Cantt & Dr N. K. Sharma, Ex- HoD, Hindi, S D College, Ambala Cantt.
- Organized Four Day workshop on "Personality analysis Through Astrology" September 2015
- Organized Three Day workshop on "Fundamental Principles of Ayurveda" September, 2015 Main Speaker Dr Jaiprakash
- Saptdivsiya Shlokgayana Prashikshan-Karyashala organized in college in Feb 2015 in which 25 students of college of different streams learnt strophic singing of Shlokas.
- 'Sanskrit Samaroh' was organized on March 11, 2015 in which 7 competitions were held and 170 students participated in the following activities——

    1. Gita-Shloka-Shudh-Sulekha Pratiyogita.
    2. Sanskrit-Kathapathan-Pratiyogita.
    3. Sanskrit-Patravachanam- Pratiyogita.
    4. Shloka-gayan- Pratiyogita.
    5. On the spot painting related to Ramayana and Mahabharata.
    6. Dhaturoop-Laghuprashnottari- Pratiyogita.
    7. Group Discussion on – Sanskrit should be compulsory or not in all educational Institutions.

- Organized three days workshop on "Palliative Care" sponsored by Rotary Hospital, Ambala 6-8 November, 2015

- One week workshop conducted for BSc II students on "Computational Sanskrit"

33. Teaching methods adopted to improve student learning

- Quiz
- Singing method and
- Dramatic techniques
- Use of PPTs
- Lecture Method
- Chalk & Board
- Extension Lectures
- Workshops
- Seminars
- Panel Discussions
- Group Discussions

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

- Department helps academically bright and financially poor students
- Counseling is also done from time to time

35. SWOC analysis of the department and Future plans:

Strengths:

- Highly qualified staff
- Innovative practices adopted by the faculty
- Computational Sanskrit
- Large number of Seminars/ Workshops/ Panel discussions organized

Weakness:

- Decline in strength and few takers for the subject
- Less promoters of the ancient language in the age of marketing
- Limitation of flexibility in University curriculum

Opportunities:

- Haryana state giving due importance to Sanskrit
- Translation centres can make use of the students affluent in the language

Challenges:

- Need to re-structure syllabi
- MoUs with academic centers of Higher learning
- Giving Sanskrit its due recognition
- Making Sanskrit more tech-friendly

Department of Zoology

1. **Name of the Department:** Department of Zoology

2. **Year of Establishment:** 1972

3. **Names of Programmes / Courses offered:**
   - UG: B.Sc. (Medical)

4. **Names of Interdisciplinary courses and the departments/units involved:** Departments of Zoology, Botany, Chemistry and Biotechnology are involved.

5. **Annual/ semester/choice based credit system (programme wise):** Semester

6. **Participation of the department in the courses offered by other departments:** NIL

7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** NIL

8. **Details of courses/programmes discontinued (if any) with reasons:** NIL

9. **Number of Teaching posts:**

Teaching Post	Sanctioned	Filled
Associate Professors	00	00
Asst. Professors	03	02

10. **Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D. / M. Phil. etc.,):**

Name	Qualification	Designation	Specialization	Experience
Ms. Zeenat Madan	M.Sc., M. Phil, CSIR-UGC(NET)	Asst. Prof.	Reproductive Physiology	12
Dr. Sonia Batra	M.Sc., Ph. D	Asst. Prof.	Reproductive Physiology	11

11. **List of senior visiting faculty:** NIL

12. **Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:**
    - From July 2011 to February 2014, 100% lectures.
    - From February 2014 to February 2015, 50% lectures.

13. **Student -Teacher Ratio (programme wise):** 20:1

14. **Number of academic support staff (technical) and administrative staff; sanctioned and filled:** One Laboratory Attendant

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.:

- Ph. D – 01
- Pursuing Ph. D - 01

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: NIL

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:

- 6 students completed short term research projects under BSR scheme of UGC, New Delhi in the year 2012-13. Grant received: Rs. 30,000.
- 6 students completed short term research projects under BSR scheme of UGC, New Delhi in the year 2014-15. Grant received: Rs. 30,000.

18. Research Centre /facility recognized by the University: NIL

19. Publications:

a) Publication per faculty

Number of papers published in peer reviewed journals (national/international) by faculty and students:

Ms. Zeenat Madan – 01

Dr. Sonia Batra – 03

- Madan, Z. 2013. Effect of ethanol extract of Carica papaya seeds on the histology of the epididymis of adult male albino mice. *International Journal of Scientific and Research Publications* (IJSRP). 3(12): 2250-3153.

- Batra, S. and Sharma, R.K. 2014. Changes in Total Lipids And Cholesterol Viz-A-Viz Steroidogenic Functions In Caprine Corpora Lutea. *International Journal of Biology, Pharmacy and Allied Sciences (IJBPAS).* 3(5): 694-704.

- Batra, S. and Sharma, R.K. 2014. Polymorphism, Dynamics and Ultrastructure of Steroidogenic Cells of Caprine Corpus Luteum. *Journal of Cell and Tissue Research* 14(1) : 4043 – 4048.

- Batra, S. and Sharma, R.K. 2014. Relative Abundance of Cell Organelles in Steroidogenic Cells of Corpus Luteum of Goat in different reproductive phases. *Journal of Cell and Tissue Research* 14(1) : 4037 – 4042.

❖ **Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)** NIL

❖ **Monographs:** NIL
❖ **Chapter in Books:** NIL
❖ **Books Edited:** NIL
❖ **Books with ISBN/ISSN numbers with details of publishers:** NIL
❖ **Citation Index:** NIL

- ❖ **SNIP :** NIL
- ❖ **SJR** NIL
- ❖ **Impact factor** NIL
- ❖ **h-index** NIL

20. Areas of consultancy and income generated: NIL

21. Faculty as members in:

a) **National committees :**
Ms. Zeenat Madan is lifetime member of

(i) Indian Science Congress Association (ISCA)

(ii) Indian Society for Radiation Biology (ISRB)

b) International Committees: NIL
c) Editorial Board: NIL

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme:

- The projects are the part of curriculum as prescribed by Kurukshetra University, Kurukshetra.
- 100% students do projects in Diversity of Invertebrates, Vertebrates and Aquaculture.

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: Nil

23. Awards / Recognitions received by faculty and students:

S.No.	Name of Award/ Recognition	Name of Student	Class	Session
1.	IIIrd Prize in Quiz. Ist Prize in Slogan writing at G N Khalsa College, YamunaNagar.	Sujeet and Anchal. Nainpreet Gill.	B.Sc.I (Medical)	2013-14
2.	IIIrd Prize in Slogan writing at G N Khalsa College, YamunaNagar.	Nainpreet Gill	B.Sc.II (Medical)	2014-15
3.	Ist Prize in Botany & IInd Prize in Zoology Inter-District Science Exhibition at Govt. College, Ambala Cantt	Satwinder & Sangeeta. Ankush & Mehak Gulati.	B.Sc.III (Medical)	2015-16

24. List of eminent academicians and scientists / visitors to the department:

- Dr. Dinesh Kumar, Principal Scientist, ICAR, New Delhi.

- Dr. Sarita Bhandari, Associate Professor, MLN College, YamunaNagar.
- Dr. Nidhan Singh, Assistant Professor, IB College, Panipat.
- Dr. Rajiv Kalsi, Associate Professor, MLN College, YamunaNagar.
- Dr. Rekha Sharma, Principal Scientist, NBAGR, Karnal
- Prof. Anand Kumar Bacchawat, Biological Sciences, IISER Mohali.
- Prof. Mukesh Thakkar, Forensic Sciences, Panjabi University, Patiala.
- Prof. K. K. Rishi, Zoology, Kurukshetra University Kurukshetra.
- Prof. Malyavar, Zoology, Kurukshetra University Kurukshetra.
- Prof. P V Bhartam, Biochemical Sciences, NIPER, Mohali.
- Prof. Sanjeev Gautam, Dept of Biotechnology, KUK

25. Seminars/ Conferences/Workshops organized & the source of funding

a) National

- National seminar on 'Consciousness as life principle in Sanskrit tradition and Life Science' sponsored by Haryana Sanskrit Academy held on 30th August 2012.

- UGC sponsored National Seminar on 'Chemistry – Biology Interface: Opportunities and Challenges' held on 12th March 2016.

b) International: NIL

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Batch	Application received	Selected	Enrolled		Pass percentage
				*M	*F	
B.Sc. (Medical & Biotechnology)	2011-14	30	17	5	12	76
B.Sc. (Medical & Biotechnology)	2012-15	45	24	4	20	66.66
B.Sc. (Medical & Biotechnology)	2013-16	60	45	7	38	88.88

*M = Male *F = Female

27. Diversity of Students

Name of the Cours	% of students from the same state	% of students from other States
B. Sc. (Med)	96.8	3.2

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense

services, etc.?

- Rohit Sharma: (2013). Cleared CSIR-JRF, GATE, DBT, ARS-NET

29. Student progression:

Student Progression	Against % Enrolled 2012-13	Against % Enrolled 2013-14	Against % Enrolled 2014-15	Against % Enrolled 2015-16
UG to PG	44%	36%	55%	53%
PG to M.Phil.	0%	0%	0%	0%
PG to Ph.D.	8%	0%	0%	0%
Employed **-Campus Selection** **-Other than campus Recruitment**	 0% 14%	 0% 10%	 0% 8%	 0% 8%
Entreneurship/Self Employed	0%	0%	0%	0%

30. Details of Infrastructural facilities:

a) Library :

Central Library:

- More than 1300 titles and copies of books in Biological Science
- 4 journals and 5 magazines are available in the central library of the college.
- The college has the access of INFLIBNET, so that many e-books and e-journals are accessible.

Departmental Library:

- The department maintains a library in which 100 text books and reference books are available to the students and faculty.

b) Internet facilities for Staff & Students:

- The department has its own computer lab equipped with ten computer systems and the office with Wi-Fi facility. College has provided laptops for the staff members.

c) Class rooms with ICT facility:

- **Maximum use of ICT is done for modern and effective teaching.**
- **The department has an independent computer lab with 10 computer systems for simulated dissections and presentation preparation.**
- **Zoology lab is well equipped with LCD projector and multimedia equipments for presentations and to play audio visual media.**

d) Laboratories:

- The department has a fully equipped laboratory with **LCD projector, Visualiser, Olympus Binocular Microscopes, Automatic Tissue Microprocessor, Microtome, Hot air oven.**
- Department has a well maintained museum having a rich collection of models and specimens.

31. Number of students receiving financial assistance from college, university, government or other agencies:

Session	No. of Students	Amount in Rs.
2012-13	04	480
2013-14	04	240
2014-15	05	4,277
2015-16	10	11,880
Total	**23**	**16, 877**

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts:

- Special lectures and workshops are organized from time to time to provide information on current topics and career guidance.
- The department celebrates Bio Fest every year which is a multi-activity programme
- Guest Lecture by Dr. Rajiv Kalsi, Associate Professor in Zoology, MLN College, Yamuna Nagar on 2^{0th}-March-2015.
- One day workshop on "Stem Cell and Animal Tissue Culture" was organized on 19th September 2014.The Keynote speaker was Dr. Gautam, Professor, Department of Biotechnology, KUK.
- The participation of students in inter college competitions related to the subject is promoted and guidance for the same is extended by the teachers.

33. Teaching methods adopted to improve student learning:

- Internet
- **Conventional Methods:**
  - Chalk Board teaching for diagrammatic representation of different animal systems.
  - Morphological and biodiversity demonstration with the help of specimens.
  - Group Discussion and Quiz from various topics related to wildlife and ecology.
  - Multimedia and ICT
  - Field excursions
  - Seminars by students

- Projects and assignments by students

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

- The students actively participate in the activities of Environment Awareness Club.
- Green drives are organized where in the medical students sensitize the other students regarding conservation of water, electricity, segregation of waste, cleanliness etc.
- The department has set up two vermi-compost units. The organic waste of the college campus is managed by converting it into useful manure.
- The department organizes Blood Group and Hb testing camp for girl students of the college. They are also made aware of different ways to increase their Hb level.
- Department along with Botany Department, NSS, Youth Red Cross Society actively participates in plantation and blood donation camps.
- The faculty members provide relevant information about various competitive examinations and career opportunities.

35. SWOC analysis of the department and Future plans:

Strength

- Content development in the form of Power Point Presentations and Video Tutorials.
- Teaching complemented with practical and field excursions.
- Well equipped lab.

Weakness

- Inadequate number of lab staff.
- Non availability of lecture theatres with Audio Video aids.

Opportunities

- In order to develop research aptitude in the students, research projects will be assigned to the students.
- Collaboration with other departments for research activities.

Challenges

- Incorporating newer experiments for training the students.

Future Plans

- Training programmes for the students to reinforce their practical skills.
- Up-gradation of Departmental library.
- Visits to Biodiversity rich zones and top research institutes.
- To organize the seminars for the students for awareness in career choices and placements in the field of Life Sciences.

SANATAN DHARMA COLLEGE (LAHORE)
NAAC Re-accredited College with 'A' Grade
College with potential for Excellence-U.G.C., New Delhi
AMBALA CANTT -133 001
(Under S.D. College Society, New Delhi)

Ref. No. SDC/201 -201

Dated ....06-03-17.....

Declaration by the Head of the Institution

I certify that the data included in this Self-study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the institution after internal discussions, and no part thereof has been outsourced.

I am aware that the Peer team will validate the information provided in this SSR during the peer team visit.

Rajinder Singh

Dr. Rajinder Singh
Principal

Date: 06-03-17

Place: Ambala Cantt

Phones : (O) 0171-2630283, 2640283 Fax : 0171-2640283
E-mail : principal@sdcollegeambala.org, principalsd@sdcollegeambala.org
Website : www.sdcollegeambala.org

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Ref. No. SDC/201 -201

Dated ...06-03-17.....

Certificate of Compliance

This is to certify that **Sanatan Dharma College (Lahore), Ambala Cantt** fulfils all norms:

1. Stipulated by **Kurukshetra University, Kurukshetra**
2. Regulatory Body: **University Grants Commission**
3. The affiliation and recognition is valid as on date.

It is noted that NAAC's accreditation, if granted, shall stand cancelled automatically, once the institution loses its University affiliation or Recognition by the Regulatory Council, as the case may be.

In case the undertaking submitted by the institution is found to be false then the accreditation given by NAAC is liable to be withdrawn. It is also agreeable that the undertaking given to NAAC will be displayed on the college website.

Rajinder Singh
Dr. Rajinder Singh
Principal

Date: 06-03-17
Place: Ambala Cantt

Phones : (O) 0171-2630283, 2640283 Fax : 0171-2640283
E-mail : principal@sdcollegeambala.org, principalsd@sdcollegeambala.org
Website : www.sdcollegeambala.org

ANNEXURE-I



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद्

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

Certificate of Accreditation

The Executive Committee of the National Assessment and Accreditation Council on the recommendation of the duly appointed Peer Team is pleased to declare the

Sanatan Dharma College (Lahore)

Ambala Cantt, affiliated to Kurukshetra University, Haryana as

Accredited [1]

at the **B++** level [2].

(among the Affiliated / Constituent Colleges)

Date : March 21, 2003

Director

1. This certification is valid for a period of *Five* years with effect from the academic year 2002 - 2003.
2. An institutional score (%) in the range of 55-60 denotes C grade, 60-65 -C+grade, 65-70 - C++grade, 70-75 - B grade, 75-80 -B+ grade, 80-85 - B++ grade, 85-90 - A grade, 90-95 - A+ grade, 95-100 - A++ grade (upper limits exclusive).

Quality Profile

Name of the Institution : Sanatan Dharma College (Lahore)
Place : Ambala Cantt, Haryana

Criterion	Criterion Score (Ci)	Weightage (Wi)	Criterion X Weightage (Ci x Wi)
I. Curricular Aspects	78	10	780
II. Teaching-learning and Evaluation	82	40	3280
III. Research, Consultancy and Extension	75	05	375
IV. Infrastructure and Learning Resources	85	15	1275
V. Student Support and Progression	83	10	830
VI. Organisation and Management	80	10	800
VII. Healthy Practices	75	10	750
		100	$\Sigma C_i W_i = 8090$

$$\text{Institutional Score} = \frac{\Sigma C_i W_i}{\Sigma W_i} = \frac{8090}{100} = 80.90$$

Director

ANNEXURE-II



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद
विश्वविद्यालय अनुदान आयोग का स्वयत्त संस्थान
NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
An Autonomous Institution of the University Grants Commission

Certificate of Accreditation

The Executive Committee of the
National Assessment and Accreditation Council
on the recommendation of the duly appointed
Peer Team is pleased to declare the
Sanatan Dharma College (Lahore)
Ambala Cantt. Kurukshetra, affiliated to Kurukshetra University, Haryana as
Accredited
with CGPA of 3.48 on four point scale
at A grade
valid up to September 15, 2016

Date : September 16, 2011

Director



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

Quality Profile

Name of the Institution : Sanatan Dharma College (Lahore)

Place : Ambala Cantt. Kurukshetra, Haryana

Criteria	*Weightage (W_i)*	*Criterion-Wise Grade Point Averages (Cr_i GPA)*	W_i X Cr_iGPA
I. Curricular Aspects	050	3.20	160
II. Teaching-Learning and Evaluation	450	3.66	1650
III. Research, Consultancy and Extension	100	3.20	320
IV. Infrastructure and Learning Resources	100	3.35	335
V. Student Support and Progression	100	3.60	360
VI. Governance and Leadership	150	3.23	485
VII. Innovative Practices	050	3.30	165
Total	$\sum_{i=1}^{7} w_i = 1000$		$\sum_{i=1}^{7}(W_i \text{ X } Cr_i GPA) = 3475$

$$\text{Institutional Score} = \frac{\sum_{i=1}^{7}(W_i \text{ X } Cr_i GPA)}{\sum_{i=1}^{7} W_i} = \frac{3475}{1000} = 3.48$$

Grade = A Descriptor = VERY GOOD

Date : September 16, 2011

Director

- This certification is valid for a period of *Five* years with effect from September 16, 2011
- An institutional CGPA on four point scale in the range of 3.01 - 4.00 denotes A grade (Very Good), 2.01 - 3.00 denotes B grade (Good), 1.51 - 2.00 denotes C grade (Satisfactory)
- Scores rounded off to the nearest integer

ANNEXURE-III