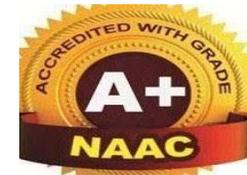




# SANATAN DHARMA COLLEGE AMBALA CANTT

NAAC Accredited Grade "A+" with CGPA 3.51 in third cycle

College with Potential for Excellence- UGC, New Delhi ISO 9001:2015 & ISO 14001:2015 Certified



**Affiliation**

Kurukshetra University, Kurukshetra

**UGC AWARD**

College with Potential for Excellence

**NAAC Accreditation**

A+ with CGPA 3.51

## About Sanatan Dharma College

Sanatan Dharma College, Ambala Cantt established in the year 1916, affiliated to Kurukshetra University, Kurukshetra, situated at Jagadhari Road, Ambala Cantt. is a premier multi-faculty post-graduate co-educational institution of Higher Studies delivering Education. Furthermore Sanatan Dharma College is NAAC Accredited institution that was awarded Grade “A+” with CGPA 3.51 in the third cycle. It has also been bestowed with the status of College with Potential for Excellence by UGC, New Delhi twice. College has also been chosen as DDU Kaushal Kendra by UGC, New Delhi. The College has a vision to build technology professionals with a practical Industry exposure to be readily deployable in the industry.

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.

The college has well qualified and committed team of teachers who untiringly provide education in the streams of Humanities, Science, Commerce, Computer Applications at undergraduate level. The college also offers Post graduation in English, Hindi, Economics , Maths, Applied Physics, Commerce and Post Graduate Diploma in Computer Applications. Professional courses such as BCA, BBA, B.Sc.(Hons) IT, B.Voc(Software Development), B.Voc(BPO) and PGDCA are running very successfully in the college and have generated the skilled man power to be absorbed by the industry and government sector.



<b>3000+</b>	<b>20+</b>	<b>30+</b>	<b>100+</b>	<b>16+</b>
<b>Students</b>	<b>Departments</b>	<b>Programs</b>	<b>Faculty</b>	<b>Acres Campus</b>

Many of our ex-students are leading figures in the political, administrative and academic fields. Hon'ble Former Union Minister for External Affairs, Late Smt. Sushma Swaraj, Govt. of India, Hon'ble Minister of Health & Sports, Sh. Anil Vij, Govt. of Haryana, Hon'ble Sh. Rattan Lal Kataria, Member Parliament, Sh. Harmohan Dhawan, Former Union Minister of State for Civil Aviation, Govt. of India, Sh. N N Vohra, Governor J & K, Mr. B K Goswami, Former Advisor to Governor J & K and U P, Mr. Swatantar Alok, Former, UNFPA Representative Kathmandu Nepal, Padam Sh. F C Garg, Former Deputy Secretary, Govt. of India, Mr. Bhavani Singh, Former Chief Justice, Himachal Pradesh High Court, Judicial Officers Ms. Neelima Shangla, Mr. Sajeev Magoo & Mr. Jagjeet Singh, Noble Laureate Abdus Salam, Mr. Yogesh Gupta Executive Director HAL, Mr. Rajesh Behl, Senior Scientist ISRO, Dr K C Malhotra, Former Vice-Chancellor, Himachal Pradesh University, Shimla, Mr. Jagjeet Singh, Registrar, Punjab University, Chandigarh, Dr Lokesh chander, Director International Academy of Indian Culture, New Delhi, are some of our distinguished alumni.

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.

College has also been awarded with First Prize for energy conservation by Haryana Renewable Energy Development Authority (HREDA) this year.

# Infrastructure at a Glance



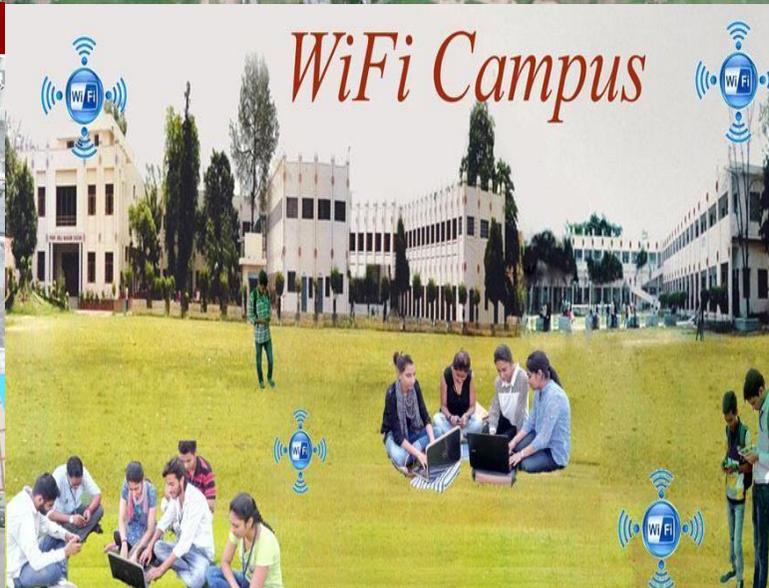
**Lush Green Lawns**



**Sprawling Area of 16 Acres**



**Solar Panels of 110 KW**

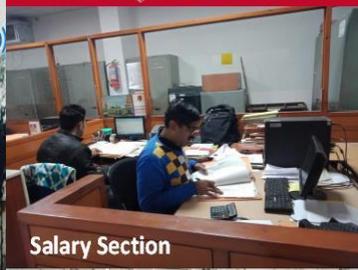


*WiFi Campus*

**Zero Waste Campus (Vermicompost Project)**



**Fully Automated Administrative Office**



**Salary Section**



**Student Dealing Section**



**Mail/Press report writing Section**



**Accounts Section**

# Ramp for Disabled



# College Central Library



# Fully Computerized Library with Open Shelf System



# Free Access to more than 2000 Tutorials/Videos



# College Information Management System

Apps Facebook - Log In or CIMS SDC Ambala RTI Home Page

**SANATAN DHARMA COLLEGE (LAHORE) AMBALA CANTT**  
 NAAC Re-accredited Grade 'A' with CGPA 3.48  
 College with Potential for Excellence - UGC, New Delhi

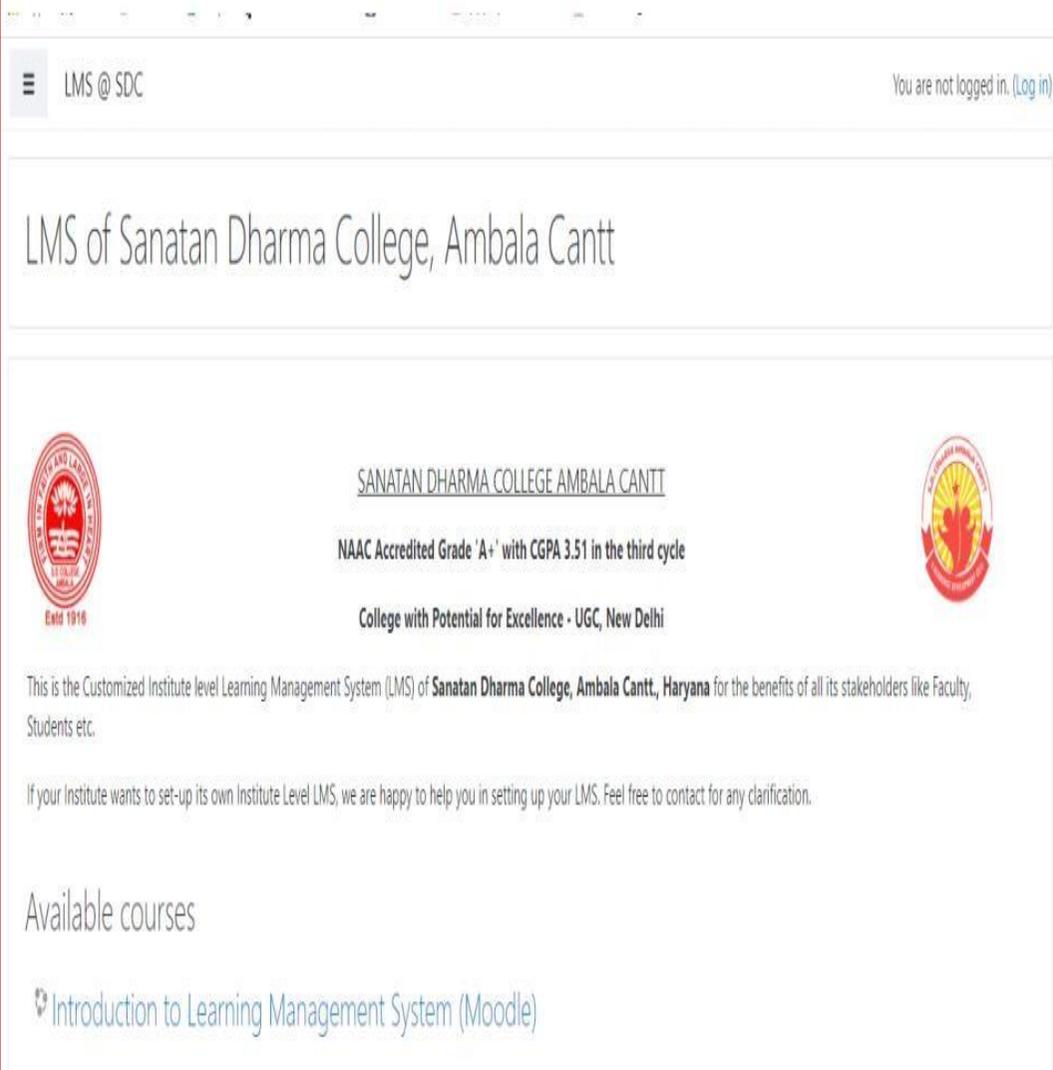
**College Information Management System**

उठा-जगो-इरोय प्रपित तक रकतक

Student Faculty Admin Alumni

# Moodle Learning Management System

Online Learning platform for educators, administrators and learners with a **single robust, secure and integrated system** to create personalised learning environments



## **Moodle Moodle Learning Management System (LMS)**

**Sanatan Dharma College, Ambala Cantt is having its own Learning management system (LMS): Moodle which is a software application for the administration, documentation, tracking, reporting, automation and delivery of educational courses, training programs, or learning and development programs.**

- 1. Our learning management system concept emerged directly from E Learning.**
- 2. Our LMSs is focused on online learning delivery and support a range of uses, acting as a platform for online content, including courses. Our LMS delivers and manages all types of content, including video, courses, and documents**
- 3. In the education and higher education field, our LMS includes a variety of functionality that is like corporate but will have features such as rubrics, teacher and instructor facilitated learning, a discussion board, and often the use of a syllabus. Currently on our Moodle there are: 1700+ Courses and 12000+ Users enrolled.**

# DEPARTMENT OF MATHEMATICS



**Dr. Naveen Gulati**  
**Head of the Department**

*Post Graduate Department of Mathematics has all necessary qualities to deal with quality education and recent challenges. The Department has qualified teachers as well as a well-equipped Mathematics Lab. Department offers various Courses such as B.A. / B.Sc. / B.Com. / B.C.A. / B.B.A. & B.Sc. (IT HONS.). Department also offers M.Sc. Mathematics. The Department has organized State Level Mathematics Exhibition & Quiz in 2005, 2007, 2009, 2012, 2014 & 2015. National Workshop, Seminars and Webinars have also been organized by the Department. To motivate people to care about climate change and to save environment, Flower Show (Season 1, 2, 3, and 4) in 2017, 2018, 2019, 2020 has also been organized by the Department. It has also been involved in many cultural and social events during previous years.*

# Department Activities



## मॉडल मेकिंग में छाए एसडी कॉलेज के विद्यार्थी

अम्बाला, 6 फरवरी ( नितिन कुमार )। एसडी कॉलेज की गणित विभाग के तीन विद्यार्थियों रुचिका, युक्ति और मोहित की टीम ने डीबीटी गवर्नमेंट ऑफ इंडिया के सहयोग द्वारा खालसा कॉलेज पटियाला में आयोजित राज्य स्तरीय अन्तर कॉलेज और अन्तर स्कूल मॉडल मेकिंग प्रतियोगिता में तृतीय स्थान हासिल किया। प्राचार्य डॉ. राजेन्द्र सिंह और गणित विभागाध्यक्ष डॉ नवीन गुलाटी ने विजेताओं को बधाई दी और सम्मानित किया। इस मुकाबले में अलग अलग स्कूलों और कॉलेजों से 23 टीमों ने भाग लिया। गणित का इतिहास,



गणित का रोजमर्रा के जीवन में योगदान, गणित का विज्ञान के साथ संबंध एवं गणित पर हो रही नयी नयी रिसर्च आदि प्रतियोगिता के मुख्य विषय रहे।

प्रतिभागियों ने मुकाबले में न केवल गणित के प्रति अपनी रुचि और लगन को व्यक्त किया बल्कि अपनी विलक्षण और रचनात्मक प्रतिभा का भी परिचय दिया।

# Mathematics Lab



The mathematics laboratory is a place where anybody can experiment and explore teaching and learning material. It is a place where one can find a collection of games, puzzles, and etc.

The materials are meant to be used both by the students on their own and with their teacher to explore the world of mathematics, to discover, to learn and to develop an interest in mathematics. The activities create interest among students or in anybody who wants to explore, and test some of their ideas, beliefs about mathematics

# M.Sc. (Mathematics)

## CURRICULUM

### SEMESTER-I

- MM 401 Advanced Abstract Algebra – I
- MM 402 Real Analysis – I
- MM 403 Topology – I
- MM 404 Complex Analysis - I
- MM 405 Differential Equations - I
- MM 406 Practical – I

### SEMESTER-II

- MM 407 Advanced Abstract Algebra - II
- MM 408 Real Analysis - II
- MM 409 Computer Programming
- MM 410 Complex Analysis - II
- MM 411 Differential Equations -II
- MM 412 Practical- II

### SEMESTER-III

- MM 501 Functional Analysis
- MM 502 Analytical Mechanics & Calculus of Variations
- MM 503 Opt (i) Elasticity
- MM 504 (i) Fluid Mechanics-I
- MM 505 Opt (i) Integral Equations
- MM 506 Practical – III

### SEMESTER-IV

- MM 507 General measure and integration theory
- MM 508 Partial Differential Equations
- MM 509 Opt (i) Mechanics of Solids – II
- MM 510 (i) Fluid Mechanics-II
- MM 511 (i) Mathematical aspects of Seismology
- MM 512 Practical - IV

**Internal assessment will be based on the following criteria:**

**(I) Two Handwritten Assignments : 10 marks**

**(1<sup>st</sup> Assignment after one month & 2<sup>nd</sup> Assignment after two months)**

**(II) One Class Test : 5 marks(one period duration)**

**(III) Attendance : 5 marks**

**Marks for Attendance will be given as under:**

**(1) 91% onwards : 5 Marks**

**(2) 81% to 90% : 4 Marks**

**(3) 75% to 80% : 3 Marks**

**(4) 70% to 75% : 2 Marks\***

**(5) 65% to 70% : 1 Mark\***

**\* For students engaged in co-curricular activities of the college only/authenticated medical grounds duly approved by the concerned Principal.**

**NOTE: Practical exam will be conducted in every semester.**

# ELIGIBILITY CONDITIONS FOR M.Sc. Mathematics

**Bachelor degree with 50% marks in aggregate and Maths as one of the subjects**

## BASIS OF ADMISSION

**The admission will purely be on the basis of percentage of marks obtained in Graduation i.e. merit in qualifying examination, subject to eligibility criteria.**

**No. of Seats=40**

## DOCUMENTS REQUIRED FOR ADMISSION

- 1. 10<sup>th</sup> DMC**
- 2. 12<sup>th</sup> DMC**
- 3. Graduation DMC**
- 4. Character Certificate**
- 5. Migration Certificate**
- 6. GAP Certificate(If Applicable)**
- 7. Achievements Certificate (If any)**
- 8. Category Certificate (If Applicable)**
- 9. Aadhaar Card**
- 10. Passport size photos**
- 11. Family Id**
- 12. Domicile Certificate**

# ALUMNI SPEAKS



## **CHAHAT (M.Sc. Mathematics)**

**I would like to thank Sanatan Dharma College, Ambala Cantt for the Attracting & Efficient Teaching and giving me an opportunity to make my dreams true. Teachers are supportive and guided me for my journey. And at last, I want to thank the most significant institution from where I got my education.**



## **Pooja (M.Sc. Mathematics)**

**I would like to thank Sanatan Dharma College, Ambala Cantt, for giving me opportunity to do this course. My college days are unforgettable and in fact those days are the happiest days in my life. I am so grateful to be a part of Sanatan Dharma College, Ambala Cantt.**



## **ANMOL (M.Sc. Mathematics)**

**I would like to thank Sanatan Dharma College, Ambala Cantt. to introduce this wonderful course and giving me an opportunity to be a part of it. I had many good experiences during my Post- graduation, and I learned a lot of new things .**



### **SHEENAM (M.Sc. Mathematics)**

**My college days are unforgettable and in fact those days are the happiest days in my life. I am so grateful to be a part of Sanatan Dharma College, Ambala Cantt. I got infinite love & lessons from my teachers; my teachers made me do “Work Hard” for the way to success.**



### **ASHU (M.Sc. Mathematics)**

**I would like to thank Sanatan Dharma College, Ambala Cantt. to introduce this wonderful course and giving me an opportunity to be a part of it. I had many good experiences during my post-graduation, and I learned a lot about technical world.**



### **YASHPREET (M.Sc. Mathematics)**

**I would like to thank Sanatan Dharma College, Ambala Cantt for the wonderful environment and giving me an opportunity to make my dreams true. Teachers are supportive and guided me for my journey. And at last, I want to thank the most significant institution from where I got my education.**

# Follow us on:

<https://www.sdcollegeambala.ac.in/>

<https://moodle.sdcollegeambala.org/>

<https://www.youtube.com/c/SanatanDharmaCollegeAmbalaCantt>

<https://t.me/sdchelpdesk>

<https://library.sdcollegeambala.org/>

<https://scholarship.sdcollegeambala.ac.in/>

## **For Admission Enquiry**

**Contact Number: 0171-2630283**

**Email: admission@sdcollegeambala.ac.in**

**Website: www.sdcollegeambala.ac.in**

## **Admission Portal**

<https://dheadmissions.nic.in/>