

## DIGITIZATION OF INDIAN EDUCATION: “A BOON OR A BANE”

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### ABSTRACT

*Digitalization of the education system-good or bad? As we all know every coin has two sides, digitization of education has also has both the effects. Over time, many changes have taken place in different economic sectors, including the education system. All other fields have gone through many stages of development: from the Guru shishya system (classes are taught in an open garden under a tree) to lectures in closed classrooms, from presentations using smartphones and touch screens to online notetaking and WhatsApp instant communication has turned a great networking among the students. Google Classroom and Google have become true official communication methods between students and teachers. The Indian subcontinent is composed of diverse populations belonging to different ethnic and cultural groups. The most significant difference that directly affects the Indian education system is the diversity of purchasing power and affordability. This article aims to analyse the nature of the modern education process in India. The diversity is not only reflected in the culture and race, but also in the purchasing power and accessibility of the Indian people.*

**Keywords:** Digitization, Cloud Learning, Google classroom, Digital Education, Diversity

### Introduction

The only constant is change, and mankind is in an era where technology drives great change. "The main reason for adopting many technologies is to stimulate students' interest. Twitter <sup>TM</sup> can be used for learning, but how much meaningful learning can be accommodated by 140 characters or less! Society and people need positive aspect of digitization. India is one of the vast country which is very diverse in terms of culture, language, heritage, etc., as well as in the education system. All classrooms in our school are equipped with digital air-conditioning and transportation; some schools believe that according to the Guru-Kul system, despite having first-class Infrastructure, students are still learning under the tree, these values have been strongly inculcated. At the same time, some schools pay attention to the physical development of books and students through internal activities, and some can pay for the cost of international exchange programs, and even send students to the United States NASA. At the same time, we also have schools where students fight for books. India occupies an important position in the global education industry. There are more than one in the country. There are 4 million schools, more than 227 million students and more than 36,000 universities. India has one of the largest higher education systems in the world. However, the education system still has great potential for further development.

### Impact of Cloud Learning on Classrooms:

There is no doubt that India has a bright future for education; however, we still have to consider how to achieve a bright future. The cloud is becoming a tool for everyone to have access to quality education. Our schools are plagued by insufficient training, mainly due to staff shortages, ineffective infrastructure, small classes and shortage of teachers. Cloud computing solutions can solve many of these problems through online course planning tools, school management automation, and online homework. Ultimately, cloud technology will ensure that the current "non-standard" education model disappears from the system. This guarantee comes from the fact that cloud solutions do not require traditional educational tools such as classrooms, teachers, textbooks, etc. The future of education is access to materials and learning anytime, anywhere. Therefore, cloud computing should play a prominent role in future educational institutions. Traditionally, courses are planned on paper in the form of teachers' magazines. Teachers are also required to keep a diary or appear in the school building. With cloud-based lesson plans, teachers can define lesson plans for different subjects and the number of courses required to complete the course materials anytime and anywhere. Since technology is an indispensable part of our lives, cloud-based educational tools are a good way to educate the younger generation. Compared with our current adults, the new generation can learn in new ways. Never thought about it. The cloud is on

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the verge of the educational revolution. Schools and educational institutions should not just reject the cloud as a commercial tool. The chance for future student success or failure may exist in the cloud.

### India has made an impressive effort in following the global trend by digitalising its education system.

Today's education system is rapidly changing its characteristics. In the past, the traditional education system was the main means of teaching and learning. But different Internet issues and problems can lead to different educational reasons. The private education system originally came from people who were unable to attend classes due to their qualifications, employment, salary structure, geographical and working conditions, and poor working hours. Universities that allow private tutoring. This teaching process is called distance learning/cloud campus or e-learning. The Internet and computers play an important role in distance and online learning. Activities such as, reference materials, libraries, group discussions and consultations all depend on different computer tools, methods and mechanisms. Cloud computing is an important technology that is responsible for healthy online and distance learning in many ways. Today's students can order books online without having to go to a university bookstore. The card catalogue is no longer in the library, and the current research tools are more targeted and effective. India has good networking of education system. However, the education system still has great potential for further development. UniClass is suitable for kindergartens under the 12th grade. UniClass equipment is similar to a cable box and can be connected to a TV, projector or any other display device. It provides students with a fun and enjoyable way of learning. Edu comp Uniclass is easy to set up and maintain. It is a simple and affordable option for schools with limited budgets and users who can afford their own personal content library.

### DATA ANALYSIS AND RESULT

The author conducted an online survey on Internet access of students from various educational institutions. Here, we collected necessary data on some questions from students in various regions in real time. Feedback from 283 students was taken into account. All participants use the Internet at different times. In this article, the author also introduced that machine learning divides learners into two areas: gender and happy/unhappy about digitalization (H/UH). This section covers five topics related to the survey and the topics that really focus on the impact of digital education on education.

#### A. Effectiveness

Although our traditional education i. Many teachers still like to write on the blackboard with chalk or white felt-tip pens. Our students have different ideas. In our survey, one of the key questions raised is what our students think about the effectiveness of digital education. As long as teachers use digital tools in the classroom, up to 95.4% of students will be satisfied. Only 4.6% of the students stayed in the unfortunate group. Our survey results show that most of our students are changing and like digitalization, so our teachers need to keep this in mind and prepare content on this basis.

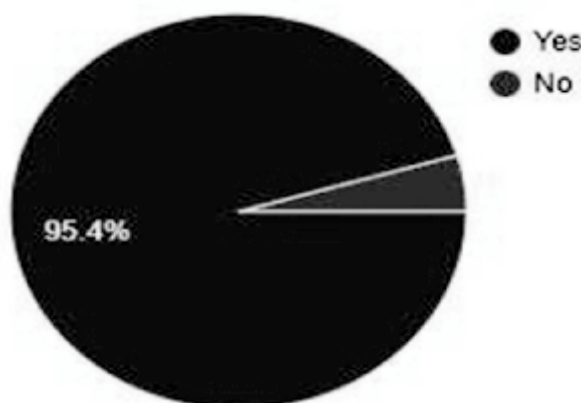


Figure 1. Effectiveness of digitalization.

When the author asked a question "Do you think these digital tools will affect your classroom learning?" in the survey, he discovered another aspect of the impact of digital tools on the classroom. The answer varies according to the ratio of happiness to unhappiness. The author found that 83.4% of students agree with the positive effects of digitalization in the classroom, while 16.6% of students believe that traditional systems are better or worse than digital education. Students have different views on digitalization in the classroom. Some students are not aware of the practice of using digital tools for educational purposes.

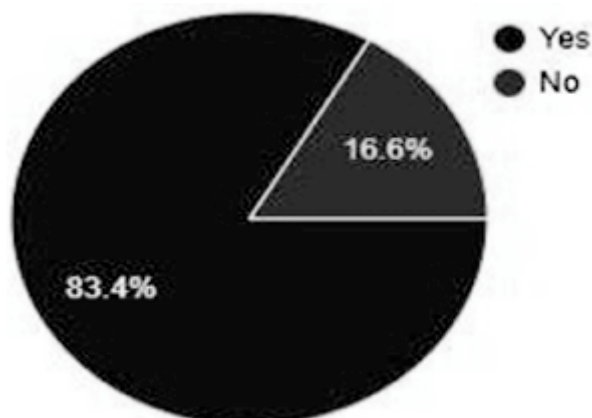


Figure 2. Digitalization effect on classroom study.

## B. Social Network

Many of our students are now online, and most of our online activities are based on social media, mainly Facebook, Twitter, WhatsApp and many other media. Occupies a lot of Internet traffic, so it attracts a lot of research interest. Our students actively participate in this activity. As a result of this survey, we found that 95.3% of students like Facebook in social media activities, and 20.4% like Twitter. 1.1% like YouTube, and there are other social media users in our survey. We also comprehended that students spend more than 23 hours on social media each day.

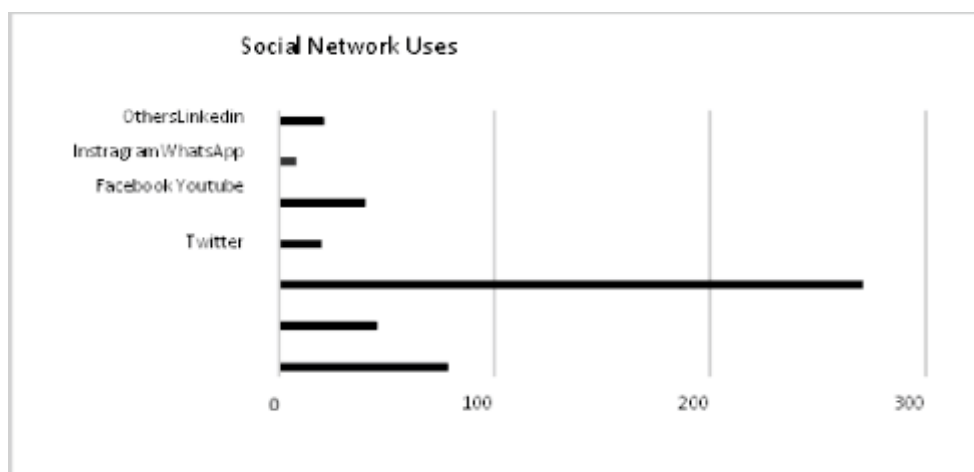


Figure 3. Social Networking

## C. Gender

According to the demographic structure, the proportion of men among every 100 women aged 20-24 is 76.8% [11]. twenty%. This is a very worrying fact for the education and development of our women, because in our country, most children in the family grew up in a mother-centered environment. And still believe that "educated mothers can provide an educated country." In this survey, we found that the proportion of female students is 18.4%, which is not very good for our country.

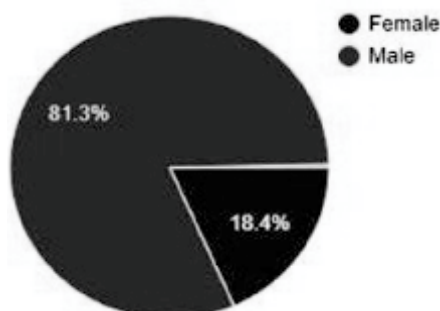


Figure 4. Percentage of Gender.

#### D. Education Time

Our survey is based on digital education and its impact. One of the key questions is "How much time do you spend studying online?" The results of this question are impressive, with an average training time of more than 3 hours. Most of our students like to spend this time on Google, YouTube, Wikipedia, and other websites. In the table, we show the survey results of this scenario.

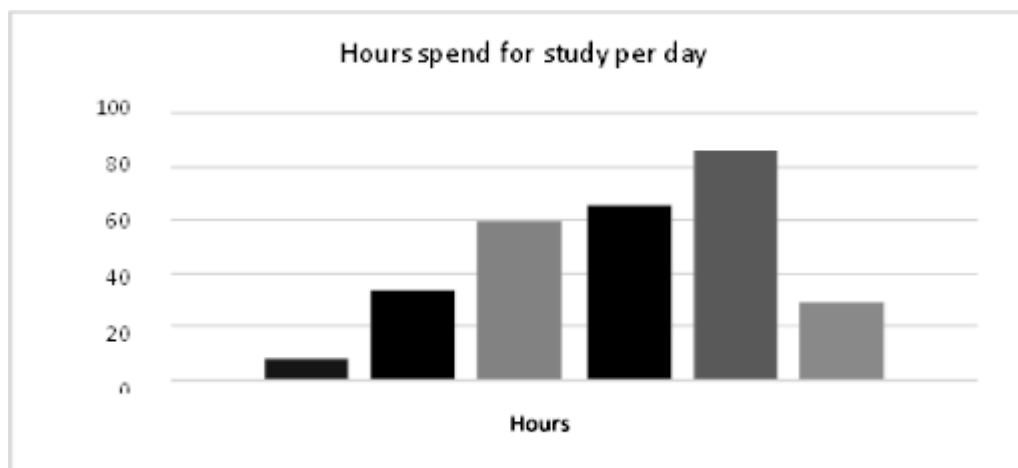


Figure 5. Hours spend for educational purposes per day

**To make Digitization of Indian Education- “a boon and not a bare” the following strategies can be implemented:-**

1. Create awareness about the use of technology.
2. Increase government aided schools with equipped technology.
3. Digital – Friendly Staff
4. Education must aim to reach the remote areas.
5. Build an technology aided strategy.
6. Create an Agile and flexible system.
7. Enrich the Right skills.

#### Conclusion

Technology must support collaboration and effective learning interaction: when computing and digital technologies support collaboration and interaction (especially student sharing), or when teachers use them to facilitate discussion, interaction, and feedback, they are usually most productive. The digitalization of students should be supported to ensure better learning. Training courses for teachers (and students) usually focus on the technical skills of using the equipment. This is usually not enough to help teachers, and assessing the impact of learning may require continuous professional development and support. Determine what students and teachers will no longer do: using digital technology is often more effective than replacing traditional learning. Technology will not fall into a vacuum. Therefore, it is important to carefully define the technical activities that will replace the content that students normally experience or otherwise. In order for online education to succeed in India, we need to change the attitude of the entire education sector and employers, because it has not yet won their favor. We still have a few kilometers to go before we can proudly say that for us, certificates and titles are just documents that value human knowledge. Therefore, in order to meet the needs of Indian students, we have proposed a hybrid model that must combine the actual presence and skills of teachers.

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