

# A Study on Impact of Digitalisation on Higher Education during Covid Crisis

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**Abstract-** COVID-19 has brought a drastic change in everyone's life. Students have changed their learning method to online mode due to the close of schools and colleges. This article is about knowing the opinion of students regarding the online learning method and analyzing the problems faced in the online learning during the covid crisis. Understanding the impact of digitalization method of learning in higher education. As per the study the impact of digitalization learning is not so good in the higher education, where the students have faced difficulty in understanding the subject and specially in the practical subjects. In the future the students prefer zoom and you tube platforms for online learning, if the situation demands.

Analyzing the level of understanding from the students in digital way of learning, from the data collected in my study gives a clear information about they have not properly understood the subject from the online learning. Most of the students prefer offline learning in understanding the subjects and in the case of clearing doubts. This study is all about impact of digitalization on higher education, from the student's point of view.

**Keywords**— Covid crisis, Digitalisation, Higher education, Online mode,

## I. INTRODUCTION

Schools and colleges door around the world are shut for a while to stay away from the spread of the Coronavirus Pandemic. During this crisis use of advancement have seen an uncommon proportion of gigantic extension work to help of far off learning. All the while, this crisis has revealed the hardships for advancement in guidance including various variations starting at the absence of permission to PCs and thusly the web .

Mechanized advancement in preparing engages us to pursue out new answers not only to what precisely people acknowledge yet furthermore how they understand, where and when they learn on top of that,digital development can help with boosting the work of teachers. Perhaps than basically bestowing data they will become co-producers of data ,coachers, mentors and evaluators. The stages which expected a huge part in development during COVID crisis are APPS LIKE ZOOM,GOOGLE CLASS ROOM,GOOGLE MEET and YOU TUBE, etc

## II. LITERATURE REVIEW

**Affouneh et al., (2020)**<sup>1</sup> analyzed that one shouldn't simply work in the specialists associated with the gathering of web getting the hang of during the crises anyway should moreover appreciate of making and overhauling the idea of virtual courses passed on in such emergencies. **Basilaia et al., (2020)**<sup>2</sup>, saw that there is an essential of a quick shift to web learning mode: thusly , the things by google are often genuinely important under such hazardous situation ; they're (a) Gmail, (b) Google structures, (c) Google Hangouts, etc which are mechanical assemblies can viably be used as an other for versus classes. **Martin (2020)**<sup>3</sup> in his assessments finds that some appearance techniques are as often as possible used online to work with practical n useful teaching and learning practices. For this, real system and getting the hang

of sponsorship should be given to teachers and understudies and government support is moreover imperative at such stage.**Saxena (2020)**<sup>4</sup>, conveyed that inside the recent years, e-learning has started securing conspicuousness in India. Various stages gave moderate courses to understudies through monstrous open online courses. Still a great deal of foundation in India were reluctant toward electronic instructing and learning. **Rieley (2020)**<sup>5</sup>, communicated that the Coronavirus pandemic erupt obliged various assets and schools to remain shut momentarily. A couple of areas are affected worldwide and there is a fear of losing this whole persistent semester or altogether more inside the advancing toward future. As indicated by the examination of the researcher , it's sketchy to urge back to commonplace training anytime sooner rather than later. **singh and Thurman (2019)**<sup>6</sup>,in their assessment online learning are much of the time named as an instrument which can make the teaching – learning measure more understudy zeroed in, more inventive, and shockingly more versatile. Online learning is described as " learning experience in facilitated or strange environment using different contraptions with web access. **According to Favale(2020)**<sup>7</sup>, web adjusting all around parts enormous heaps of chances available yet by and by of crisis will allow online sorting out some way to impact as most educational foundation have changed to this model. Online learning far off working and e-composed exertion exploded during the scene of Covid crisis. limits. **Brianna et al., (2019)**<sup>8</sup>, found that teachers or instructors inside the sort of facilitators face a tough spot while working on these EdTech new organizations inside the kind of the appreciation to start using it when to use it, the appreciation to diminish interference for school kids , the appreciation to hone understudies capacities through EdTech. The premium by understudies isn't adequate, teachers ought to contribute huge measures of energy to extend understudies responsibility, hold their thought, take inputs , and study them severally. **According to makers Cathy Mae D. Toquero Karen Joy B.Taiidong conveyed in (2020)**<sup>9</sup> .The different

possible results and openings arise inside the use of development particularly the electronic media for the plan of social associations and academic endeavors even through the virtual world. the usage of casual association moreover diverted the thought of MSU-GSC understudies and graduated class away from the energetic and mental squeezing factor because of the crisis. **Shivangi Dhawan(2020)<sup>10</sup>**, Department of business, SGTB khalsa school , school of Delhi , India . Communicated That as indicated by the earth money related Forum , the Coronavirus pandemic also has changed the way how a couple of gathering get and award tutoring. This terrible period of predetermination has taught us that everything is whimsical which we need to be ready to face the hardships. for example , this e-application called ZOOM is making a ton of stories on account of its functional segment.

### III. RESEARCH GAP

There is no much study on this topic previously. From the above literature reviews the information collected is all about the online learning and the different opportunities obtained from online method of learning. In my study the impact of digitalization in higher education has analysed from the students point of view. The digitalization method in higher education its impact has been analysed from the students. The questionnaire has been prepared and data gathered from students , how the digitalization method of learning has an impact on their learning during covid crisis. And the likable method from the students in learning has been known from their answers whether it is traditional way of learning or digitalization way of learning.

### IV. OBJECTIVES OF THE STUDY

- 1.To find the impact of digitalisation in education system in pre-covid and covid crisis.
- 2.To evaluate the understanding level of online teaching .
- 3.To know the interest in adopting online learning trend using various platforms in future..

### V. RESEARCH METHODOLOGY

This examination is distinct exploration. It assists with understanding The need of web based learning in the time of COVID - 19 emergency and pandemics . Examining the issues looking by the understudies in internet learning and potential arrangements are distinguished dependent on past examinations.

The data is collected by primary source where by creating a questionnaires and asking students to answer them ,the survey is conducted for RYMEC Ballari and AKIMS ballari, education institution . And also data has been collected from the secondary source by referring the other authors articles related to this topic, and also few Journals, reports, & other websites.

### VI. RESEARCH HYPOTHESIS

H0 : There is an impact of digitalization on Higher level education.

H1: There is no impact of digitalization on Higher level education.

### SAMPLING TYPE

Our research is based on the “ random sampling method”.

In random sampling I have used convenience and judgmental sampling has been used because of time and cost constraints.

### SAMPLING UNITS

It means, “ who is to be surveyed?”. The sampling unit consists of students who have attended online classes during the covid crisis.

### SAMPLING SIZE

I have selected sample survey of 100 respondents are students and they have attended the online classes during the covid crisis.

## VII. RESULTS AND DISCUSSIONS

### 1. To find the impact of digitalization in higher education system in pre-covid and covid crisis

In the education system a drastic change has taken due to the covid crisis. A digitalization method has introduced in the education system. The sudden change in the education system is not so easy for the students to adopt. The delivery method from digitalization is not so understandable compared to traditional way of method (pre covid classes )in education. The students felt so difficult in clearing their doubts through digitalization. And from the regular digitalization method in learning the 40% of students has faced a health issues. The students are more comfortable and liking the traditional method of learning. The impact of technology in education has bought a change in the students behaviour in regularity of attending classes and learning interest. Many students have faced the network issues, specially the students in the villages.



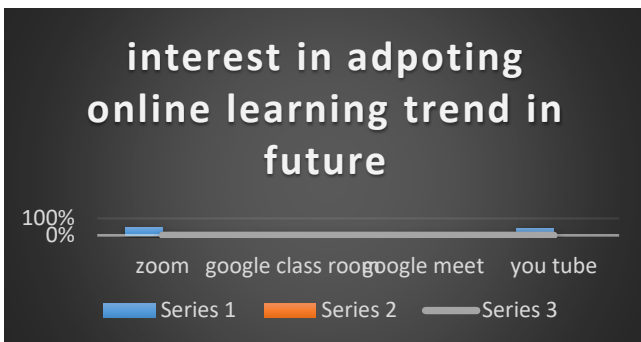
INTERPRATION:According to data collected from my study by the students through questionnaire 30% of the students has answered that the digitalized way of learning during covid has shown a good impact in their education and 70% students answers has shown that the digitalization way of learning will not lead to good impact on their education. Most of the students prefer the traditional way of learning.

### 2. Understanding level of students from the online classes

INTERPRATION: As per my study, many students could not to understand well from the online classes. They were facing the problem from the online classes in regarding to clear their doubts and understanding the syllabus specially in practical subjects. The online education has opted when there is no other way of learning left to the students due to the covid crisis. The students have answered in my study that they felt a lot of difficulty in understanding the subject and specially when it comes to practical subjects. The interaction with the teacher has become difficult during the clearing of doubts.

From the adoption of online classes the students has missed the extra knowledge which they can gain from the class room.

### 3. The interest in adopting online learning trends, using various platforms in future.



INTERPRETATION :The data collected from my study, the students preferring online learning platform in future is as follows , the 49% of students from the collected data preferred zoom app for online learning in future and 6% of students are preferred to google class room and 5% students preferred google meet and left 41% students preferred you tube for online learning trend in the future.

### VIII. FINDINGS

From my study I ,found that the students are not satisfied with the digital method of learning , where they felt difficulty in understanding the subject and clearing their doubts in practical subjects. Most of the students are preferred to traditional way of learning in the future for better understanding and to clear their doubts with the lectures.

### IX. SUGGESTIONS

To improve the online learning trends continuously collect feedback of teaching from the students and according to feedback change the way of presentation in online teaching. As much as possible prefer for offline classes by taking care of situation in this pandemic for higher education. For practical subject prefer for providing material and making videos with clear explanation to the students, where extra efforts is done for the practical subjects.

### X. CONCLUSION

During the covid crisis a drastic changes has taken place in everyone's life , even in students life a covid crisis have brought a change in their learning method. Due to the closing doors of school and colleges the students have to shift for online classes in the covid time in their education system for several months in the recent to avoid the increase in the spread of the covid-19 Pandemic.

The change in the learning method in the students life have been good at some points and as well as shown a preferable effects in the students life. The sudden change to full online teaching was not at smooth to many students, they felt difficult to adopt that atmosphere. The flexibility provided by the online environment is not satisfy than that traditional lecture method. In the online classes the students felt so difficulty in understanding the practical subjects, which was unmanageable. Students won't be active in communicating with teachers in online classes and also they can't clear their

doubts in understandable way. Many students are not comfortable with the use of communication tools in the online environment. But at the same time covid 19 has bought a new dimensions in education system. The maximum students prefer the zoom and you tube platform for their online study, which makes them comfortable and understandable. The learning outcome was not upto the expectations of the students. The students feel better pre-covid education method or system. In the online classes the students miss the extra curricular activities in online classes. And around 35% of students have faced the health issues from attending online classes regularly.

So the online mode of education is good at some extend but not preferred by students in their learning career.

From the above data analysis collected and interpretation of my study, it has proven that H0 Null Hypothesis is rejected as if there is no much impact of digitalization on higher education. Therefore alternative hypothesis H1 is accepted.

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