

“A STUDY ON IMPACT OF COVID-19 OUTBREAK ON TEACHING-LEARNING PROCESS OF EDUCATION SYSTEM WITH SPECIAL REFERENCE TO NASHIK CITY”

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Abstract:

COVID-19 is currently having a serious impact on business organizations and the lives of people; and influencing the supply chain due to the worldwide lockdown. The governments and medical departments do not have any specific plan and medical support to control the pandemic. The educational system and institutions are going through a tough time in order to maintain the educational activities as the immune system of children and students is weak, which might affect their health badly. The study investigated the impact of the COVID-19 period on education systems and institutions. For this purpose, the data were collected through a questionnaire responded to by 50 participants (teachers and students). The participants were selected using the non-probability sampling method. The results revealed that there was a negative impact on an educational system like loss of human resources, investment for developing the online system for smart classes, and providing the data and information using the technology. [1]

Introduction:

In March 2020, a nationwide lockdown was imposed, forcing some schools and colleges to close and instructing students to abandon the usual classroom teaching style. This resulted in an immediate increase in innovation and technology, which the teachers used to finish the curriculum. However, due to a lack of infrastructure, productivity suffered. Remote learning was not available in every family; according to the Global internet network research, just 24% of households had a consistent internet connection, while other remote areas remained unreachable. As a result, the government was forced to ensure that sufficient benefits and monetary funds were provided. Education is undeniably crucial in contributing to a country's

welfare and an individual's growth, but it has been jeopardized by the emergence of Covid - 19.

It has had a huge impact on the lives of millions of kids. There have been a number of severe targets that have had to be met since the lockdown was implemented. Education was also hampered by the economic crisis, which reduced its output. According to studies, the epidemic has denied almost 32 crore students an education. This is being referred to as a national crisis, with an increase in unemployment as a result. COVID-19 Pandemic can affect the children largely as less understanding of the concept of social distancing is a serious issue for educational institutes as well as for parents. Commencing the educational institutes at this point of time is a risky affair, especially when the number of cases is increasing, and the medical department has not confirmed any vaccine or impactful treatment for COVID-19. Therefore, analysis and planning of future actions for managing the education system and implementation of changes in the approach of educational institutions are essential.

Research Objectives:

- 1) To study and Understand the Covid 19 Outbreak.
- 2) To find out about challenges faced by students in a pandemic.
- 3) To study the Impact of Covid-19 on the teaching-learning process.
- 4) To study and understand the impact of Covid-19 on the education system.

Research Methodology:

The research required a systematic flow of actions that help to improve the effectiveness of the outcome and achievement of the objectives. To develop the systematic approach, there are two types of philosophies used, interpretive and positivism. For current research related to the analysis of the impact of COVID-19 on the education system and institution, we have selected interpretive research philosophy. By considering this philosophy, we have collected and analyzed the different opinions of respondents and identified the key actions to improve the situation. Apart from this, interpretive philosophy has helped to maintain openness (Kumar, 2019). Deductive and indicative research approaches are used for gaining an understanding of the variables of the study and maintaining the flow of the analysis. For conducting current research, the researcher has applied the indicative approach that also supports increasing reliability and validity. By implementing this approach, we have collected data for the analysis

of the impact of COVID-19 on the educational system and institution using the questionnaire method (Fletcher, 2017). This was cost and time effective and eliminated the issues related to the privacy of the respondents. The strategic approach of the research study is developed by applying the appropriate design. For achieving the proposed outcome, we have could apply the exploratory, descriptive and casual design. The current research is based on data collected from the questionnaire and to analyze the impact of Covid-19 on the educational system, the descriptive design was useful. This kind of design has helped to analyze social, economic, and technical aspects of COVID-19 in the institution and supports gaining in-depth knowledge of issues and potential barriers in the offering of online learning and changing the existing classroom approach to study (Wiek and Lang, 2016). According to research methodology functions, to research in a professional manner, two types of study have been followed that involve qualitative and quantitative. For the current research, we have applied a descriptive design and collected the data using the questionnaire method. Therefore, the study was based on the quantitative type and helped to meet the objectives of the study (Mohajan, 2018). By using this type, the researcher has made emphasis on direct and indirect factors that might influence the educational system and approaches of institutions due to the outbreak of Covid-19. It has also supported in analyzing the different variables for identifying the impact of online learning due to changes in economic, demographic, and employment levels of the people. [2]

Review of Littereture:

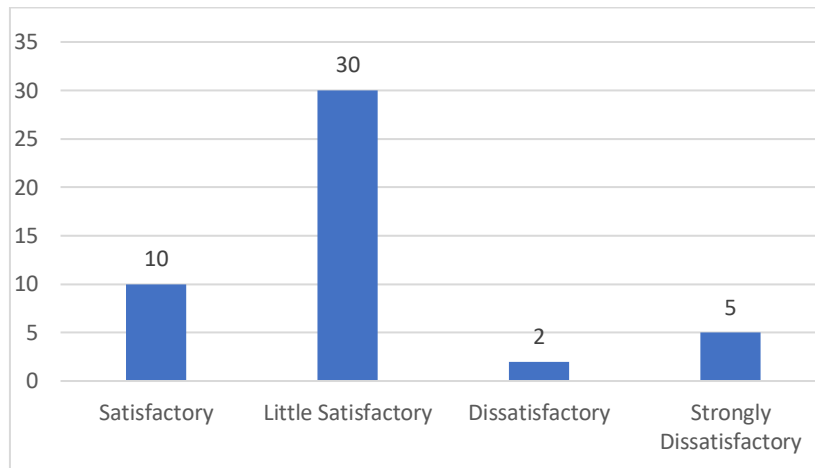
1) COVID-19 is currently having a serious impact on business organizations and the lives of people; and influencing the supply chain due to the worldwide lockdown. The governments and medical departments do not have any specific plan and medical support to control the pandemic. The educational system and institutions are going through a tough time maintaining educational activities as the immune system of children and students are weak, which might affect their health badly. The study investigated the impact of the COVID-19 period on education systems and institutions. For this purpose, the data were collected through a questionnaire responded to by 50 participants (teachers and students). The participants were selected using the non-probability sampling method. The results revealed that there was a negative impact on an educational system like loss of human resources, investment for developing the online system for smart classes, and providing the data and information using the technology. (© 2016 IJCI & the Authors. Published by International Journal of Curriculum and Instruction (IJCI)). [3]

2) The Impact of COVID-19 Pandemic on Education System in Developing Countries, [Seble Tadesse](#), [Worku Muluye](#), According to the Author, Coronavirus affects the education system in the world. Schools, colleges, and universities are closed to control the spread of the coronavirus. School closure brings difficulties for students, teachers, and parents. So, distance learning is a solution to continue the education system. However, the lack of network infrastructures, computers, and internet access is challenging for distance learning in developing countries. This paper aims to review the impact of the COVID-19 pandemic on the education system in developing countries. Hence, countries design a strategy to use educational technology, zero-fee internet educational resources, free online learning resources, and broadcasts teaching. During closures, educational institutions design curriculum, prepare teaching-learning strategies for post-coronavirus. The educational institutions design strategies to recover lost learning, and return students to school when schools reopen. Coronavirus has been impacting the face-to-face education system of developing countries. Therefore, developing countries should enhance broadcast teaching, online teaching, and virtual class infrastructures. [4]

Data Analysis:

1) What do you feel about online learning?

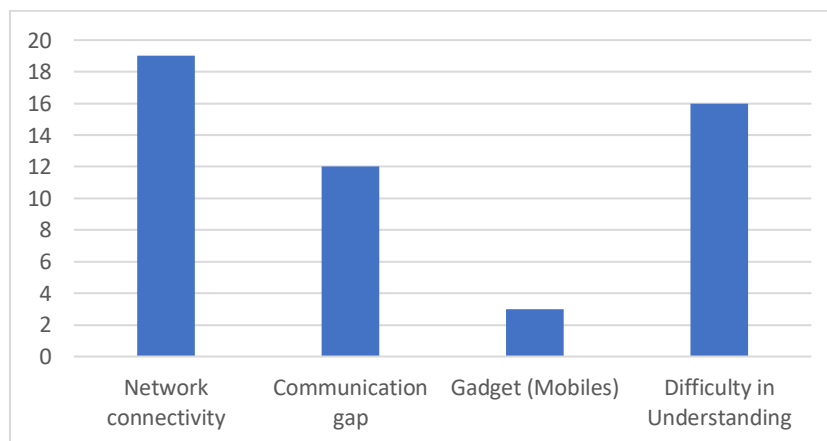
Satisfactory	Little Satisfactory	Dissatisfactory	Strongly Dissatisfactory
15	30	02	03



From the above analysis, it is interpreted that the Online learning system is Little Satisfactory

2) What kind of problem did you face in online learning during the pandemic?

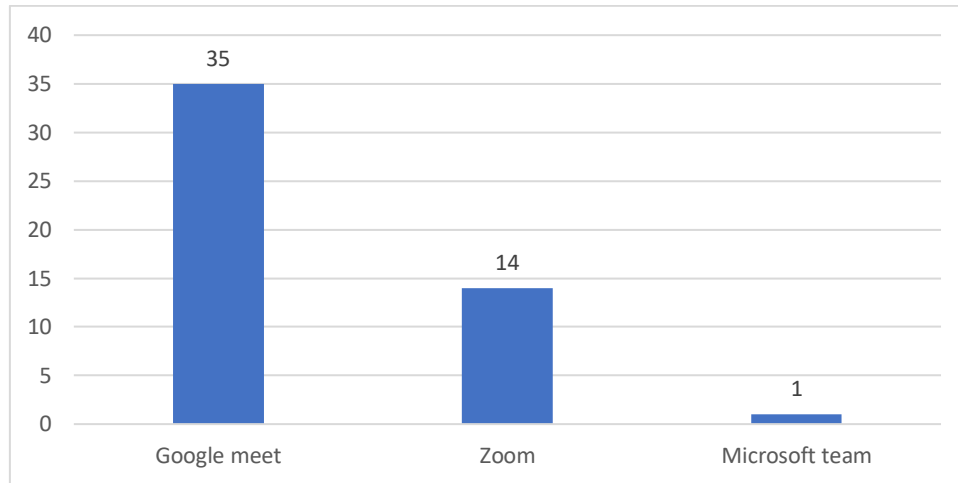
Network connectivity	Communication gap	Gadget (Mobiles)	Difficulty in Understanding
19	12	03	16



From the above analysis, it is interpreted that in the Online learning system Network connectivity & Difficulty in understanding the problem being raised.

3) What is the platform used by you for an online lecture?

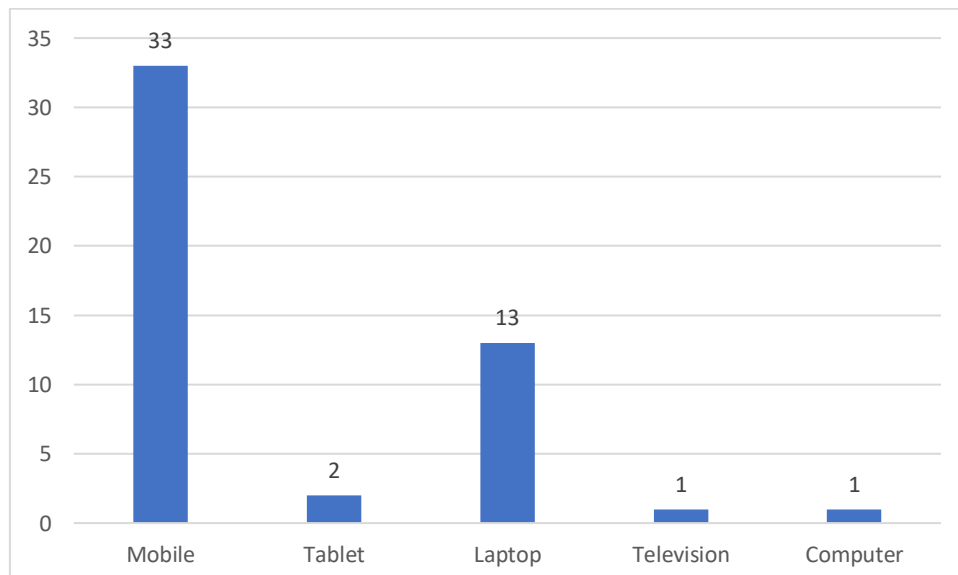
Google meet	Zoom	Microsoft team
35	14	01



From the above analysis, it is interpreted that in the Online learning system students mostly used the Google Meet platform for studying.

4) What kind of device is used by you for an online lecture?

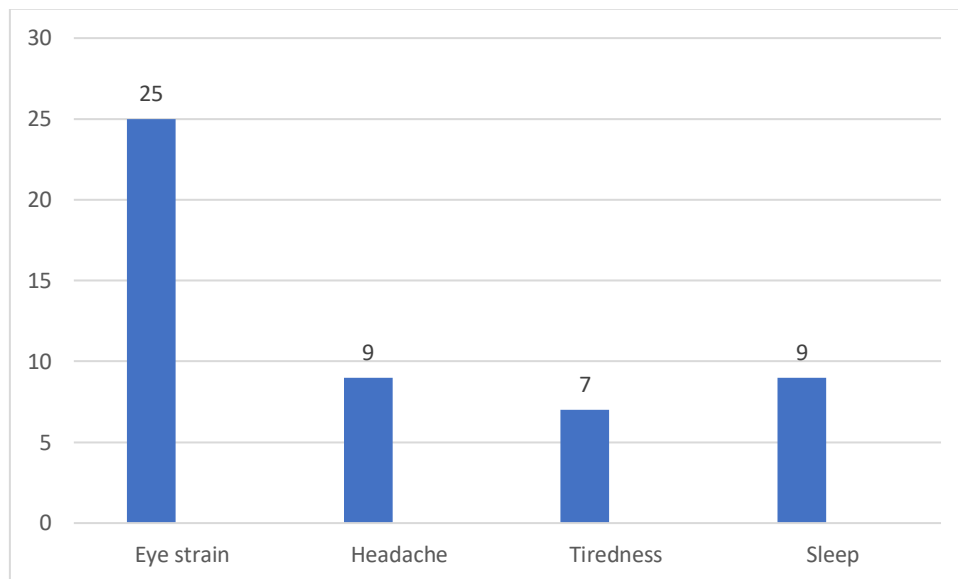
Mobile	Tablet	Laptop	Television	Computer
33	02	13	01	01



From the above analysis, it is interpreted that in the Online learning system students are used Mobile devices for online lectures.

5) What is the physical body sign experienced by you during an online lecture?

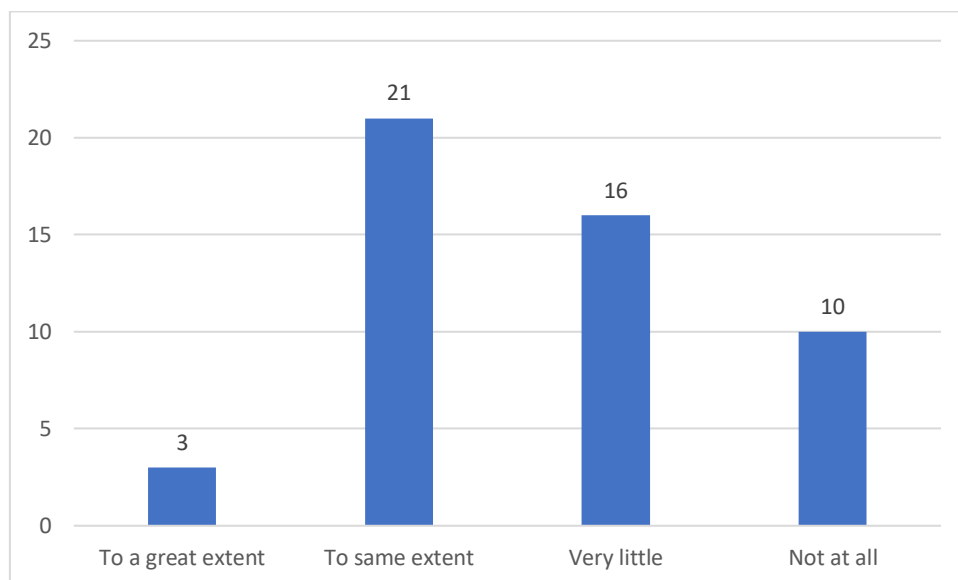
Eye strain	Headache	Tiredness	Sleep
25	09	07	09



From the above analysis, it is interpreted that in the Online learning system during the online learning process mostly Eye Strain and physical body sign is observed.

6) Was communication among and between all staff effective during the pandemic?

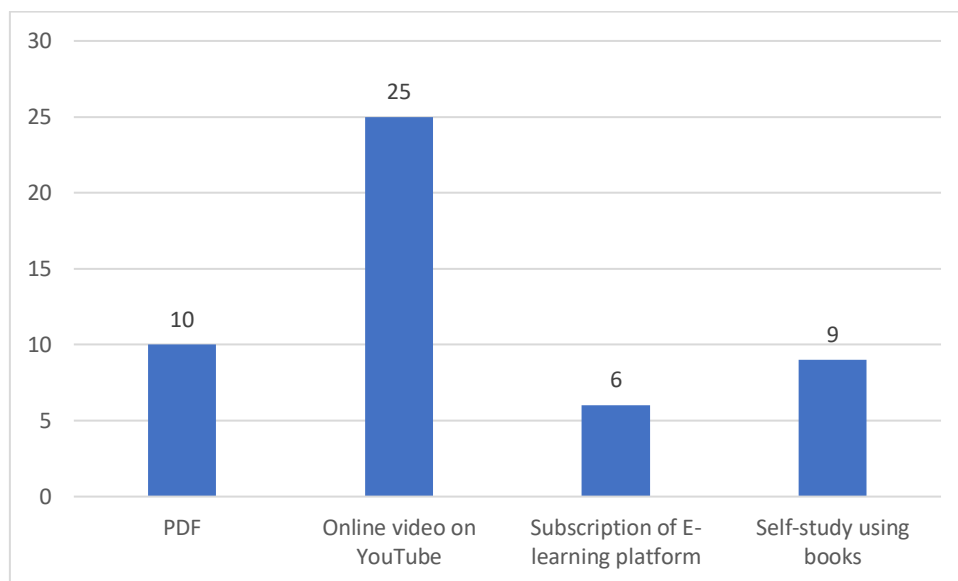
To a great extent	To same extent	Very little	Not at all
03	21	16	10



From the above analysis, it is interpreted that in an Online learning system small extent & very little communication among and between all staff effective during the pandemic.

7) What other preparation strategies you adopted for studying online?

PDF	Online video on YouTube	Subscription of E-learning platform	Self-study using books
10	25	06	09



From the above analysis, it is interpreted that in the Online learning system Mostly Online videos on YouTube preparation strategies students adopted for studying online.

8) How was the pandemic affected student internship and placement offers?

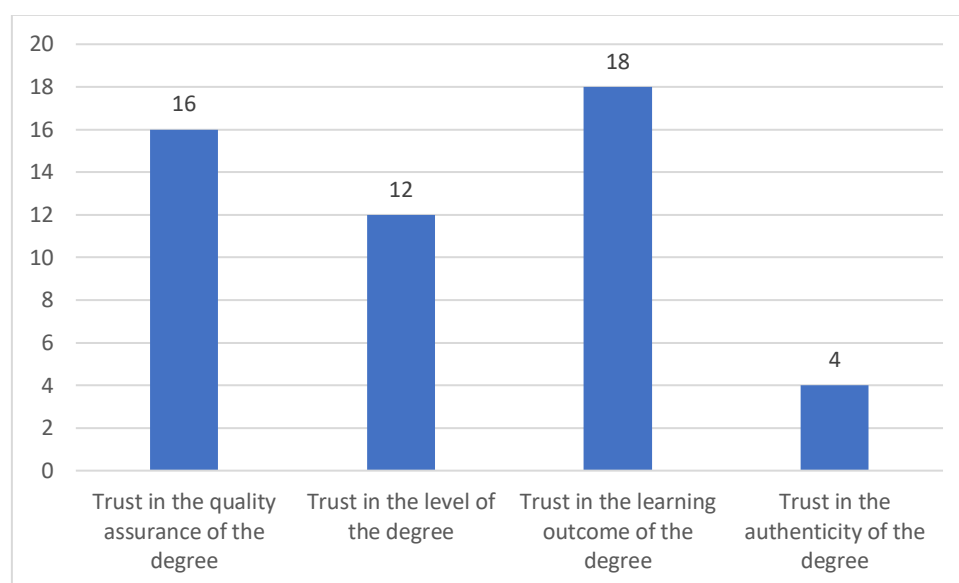
All internships and placement have been cancelled	11
Our institutional offer of internship and placement has decreased	23
It had no substantial effect on internship and placement	13
Our institutional offer of internship and placement has increased	03



From the above analysis, it is interpreted that in the Online learning system mostly institutional offer of internship and placement has decreased.

9) Please indicate the nature of these Covid-19-related challenges regarding the evaluation

Trust in the quality assurance of the degree	16
Trust in the level of the degree	12
Trust in the learning outcome of the degree	18
Trust in the authenticity of the degree	04



From the above analysis, it is interpreted that Online learning systems mostly Trust in the learning outcome of the degree & Trust in the quality assurance of the degree and the nature of these Covid-19-related challenges regarding the evaluation.

Findings:

- 1) It is interpreted that the Online learning system is Little Satisfactory.
- 2) It is interpreted that in the Online learning system Network connectivity & Difficulty in understanding the problem being raised.
- 3) It is interpreted that in the Online learning system students mostly used the Google Meet platform for studying.
- 4) It is interpreted that in the Online learning system students are used Mobile devices for online lectures.
- 5) It is interpreted that in the Online learning system during the online learning process mostly Eye Strain and physical body sign is observed.
- 6) It is interpreted that in an Online learning system small extent & very little communication among and between all staff effective during the pandemic.

- 7) It is interpreted that in the Online learning system Mostly Online videos on YouTube preparation strategies students adopted for studying online.
- 8) It is interpreted that in the Online learning system mostly institutional offer of internship and placement has decreased.
- 9) It is interpreted that Online learning systems mostly Trust in the learning outcome of the degree & Trust in the quality assurance of the degree and the nature of these Covid-19-related challenges regarding the evaluation.

Conclusion:

From the research, it has carried out that COVID-19 is having a serious impact on the businesses and other sectors. The research has identified the impact of this pandemic issue on the education system and the approaches of the institutions for offering learning through other mediums. According to the study, people are facing serious issues related to learning and looking for new approaches to learning. The leading authorities have to consider the seriousness of the issues and have to take the corrective measure for improving the situation that will help to normalize the things and support in enhancing the living experience. The lack of technical understanding of students and teachers is also a big challenge for the system to offer training and support. The proper implementation of rules for social distancing and sanitizing will also increase the operational cost of the institutions. Moreover, the sudden shift to online learning will be difficult for the countries and educational authorities due to a lack of infrastructure and planning for the format that suits the new approach. It becomes difficult for educational institutions to maintain the operational cost and retain the students. The betterment of the educational system and approaches of institutions need changes.

To maintain continuity in learning and to share the knowledge with the students, it is recommended to the institutions adopt the technology and engage the students in learning. The implementation of smart learning tools like Padlet and Edmodo can be used for offering to learn. Offering the training to the staff members and collecting the feedback from the parents related to the online system will be useful for the educational institution to overcome the issues related to taking classes and engaging the students. [5]