Challenges and opportunities facing e-learning for the higher education sector in pune during covid19

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Abstract: **This Research Paper help in Understanding the challenges, and opportunities faced and Happened in the Higher Education Sector with the Help of E-Learning during the COVID19. This research is taking place to understand the challenges are and opportunities of online education in comparison facing education in Pune. The Sample Size was taken as 50 Students who had been contacted to learn students in college for Various Courses in the MBA College, Pune. This research Survey was conducted using the Google Forms. Research was conducted by Interacting with students through Phone Calls and with Various Digital Platforms. The Results from this will help us to know how the E-Learning has helped and difficult to the students of Higher Education Sector during the Pandemic without being physically in a Class. This Survey help in Understanding how much it is helping and difficult to the students, and what are the changes that has to be brought into to give a Better Education for Students using the E-Learning Platforms. The research paper also looks into what opportunities are there in future in Higher education sector. COVID19 has impacted the Education sector, and it has totally been turned into online mode making Education accessible for the Students just be at your home during this Pandemic Situation, so, it is very much necessary to understand the Students Point of View on the Online Classes that are happening.**

Keywords: **Online higher education; Challenges and opportunities; higher education; Digital Platforms; Higher Education Sector; E-Learning, online learning.**

INTRODUCTION

A learning system is based on the teaching but with the help of electronic resources is known as Electronic learning or E-learning. When teaching can be based in or out of the classrooms, the use of computers or laptops and the Internet connection are the major component of E-learning. E-learning can also be known as an online learning enabled transfer of skills and knowledge, and the delivery of education is made to a large number of students or participants at the same or different times and locations. Earlier, it was not accepted wholeheartedly but due to corona pandemic (COVID 19) situation as it is assumed that this system used in learning. Now a days E-Learning is an approach of students learning or getting educated with the uses of Electronic Technologies. E-Learning or online learning is one of the Upcoming platforms which makes the education more flexible as there isn't any Specific place or time required to do as such.

This kind of Technology evolution or platform has helped E-Learning to be Promoted in Various situation. It's one of the Next Era for the Education sectors and it helps in various ways even for a Learning.

During this COVID 19 Pandemic Situation students are now forced to turn into such ways where E-Learning or online learning is promoted and helps students not to miss their sessions and understand the very aspects of their Courses. In this Research we have done Study and the analysis of what are the Impacts of E-Learning for the Higher Education sector in Pune during the COVID19. Growth of Such an education sector is very much High in Pune India even after the Pandemic is over wherein all the online learning Platforms should try to make it in a Better, easy and effective way for the Students.

With the rapid use in technology and the advancement in education learning systems, it is now embraced by the masses. The introduction of electronic devices such as computer, laptop, tablet, mobile phone etc. is the basis of this technology and with the new trends. These devices are now a days have a more importance place not in the classrooms but also anywhere for learning.

Now a days books are gradually getting replaced by electronic educational materials like hard disk, cd, optical discs or pen drives. The skills, information and Knowledge can also be shared through the Internet, which is accessible 24/7, anytime, anywhere in a daily schedule.

Importance of E-Learning:

E-Learning helps in achieving various objectives just helping the Students to learn being at a Place where the Person is feel comfortable through Online.

During this COVID 19 Pandemic Situation the E-Learning or online learning is been promoted and used very well and it has turned out to be more effective to some extent when we don't have any other Option. It's very important to set a schedule for the students to get them engaged and they not miss out their Sessions or lectures of course. Students can attend the online classes just being at home using Various Platforms provided by the Institutes.

OBJECTIVES

- To study the teachers and Students awareness towards the E-Learning during COVID-19 pandemic
- To study enhancement quality of teaching and learning.

• To understand the challenges faced by the teachers and students in adapting to the e-learning process during COVID-19 pandemic.

LITERATURE REVIEW

1.   Burac, M. A. P., Fernandez, J. M., Cruz, M. M. A., & Cruz, J. D. (2019). Assessing the impact of e-learning system of higher education institution's instructors and students did a detailed study on Assessing the Impact of E-Learning System of higher education institution's Instructors and Students. The study was conducted to analysis the Impact of E-Learning in Higher Education. The Study had both the Perspective and awareness of the teacher as well as the Student. The Study concluded with showing Positive Result with Students and teachers giving a Good Response. Students showed a Positive influence on E-Learning while the teacher use the Platform as Presentation and Preparation tool to teach and learn so in turn which they said they could do it positively.

2.   Nahid Khalil, Itedal Abdulraheem & Rashida Abdulrahim. (2019) by The Impact of E-Learning vs Traditional Learning on Student's Performance and Attitude. In this research paper the Main Objective of the Study was to understand the Impact of online Learning on the student's academic Performance. Study was conducted among 80 nursing students at Kingdom of Saudi Arabia. The Conclusion from the Study was that it showed a significant difference in learning outcomes beside positive attitudes between the Online and Traditional Learners which can be considered as one of the alternative methods to teach for Higher Education in education sector.

3.   Salamat, P & Ahmad, L & Bakht, G & Saifi, Imran. (2018). EFFECTS OF E–LEARNING ON STUDENTS' ACADEMIC LEARNING AT UNIVERSITY LEVEL conducted a Detailed study on the Effects of E-Learning on Students at the University Level. The main Objective of the Study was to find the Effects and Interest of Learning using such online Platforms. They mainly used Simple Random Sampling Technique and collected data from 205 Students at University of Lahore. The conclusion of the study was E-Learning provides time flexibility and also motivated the student to work on their own without help of any others. So, the Study had a Positive Impact towards the E-Learning online Platforms for the Students.

4.   M. Samir Abou El-Seoud, Islam A.T.F. Taj-Eddin, Naglaa Seddiek, El-Khouly, M. M., & Nosseir, A. (2014). E-Learning and Students' Motivation: A Research Study on the Effect of E-Learning on Higher Education which was conducted in Egypt. They concluded that the teachers should find whether they were motivated with Online learning class but if was difficult to analyzing it as there was lack of Personal Contact in the Online Classes and to avoid it an assessment is to be done about Motivation. Using the Data obtained from that feedback Form will help to understand whether students were motivated. Also, a Feedback should be taken from the teacher to understand on his/her Feedback and evaluate and enhances the quality of E-Learning and Teaching through such online Platforms.

5.   Saleem, M., & Rasheed, I. (2014). Use of E-learning and its Effect on students where a study was conducted on Use and effect on Students was done with a Purpose to measure the factors affecting the use of E-Learning and how was the effect of it on students with variables such as space, time, technology and workload. It was a Descriptive Study and done through a Survey collected from 100 Students of Islamia University Students at Bahawalpur. The Finding from this Research paper was that independent variables space, time, technology and workload had great influence on E-Learning system.

RESEARCH METHODOLOGY

The Study was conducted within Students who are Pursuing Management Courses as Higher Education. A Sample Size of 50 Respondents was studied using purposive and convenience sampling Method.

In the Case of this Research Paper it has been done using the Descriptive Research which shows that a Structured Plan was made on to analyze the Opinion of the Respondent group on the Problem to Understand.

Research tool is where it is used to collect the respondents answer for the Problem that research has to be done for. In the Case of this Research Paper a Structured Questionnaire is made with certain questions for the respondents to answer. The Questionnaire was designed and then Google Forms was used for it to circulate and Collect the Data for the Research Purpose.

The Sampling used in this by the Researcher is Convenience Sampling and Purposive Sampling as the Sector was Education related and that also Students who are Pursuing Management courses those students were considered as the Respondents and 50 Response were collected.

It is essential to know how the Students are adapting to the E-Learning Facilities due to the COVID19 Situation and Understand if they are able to Learn and do the things on Timely Manner.
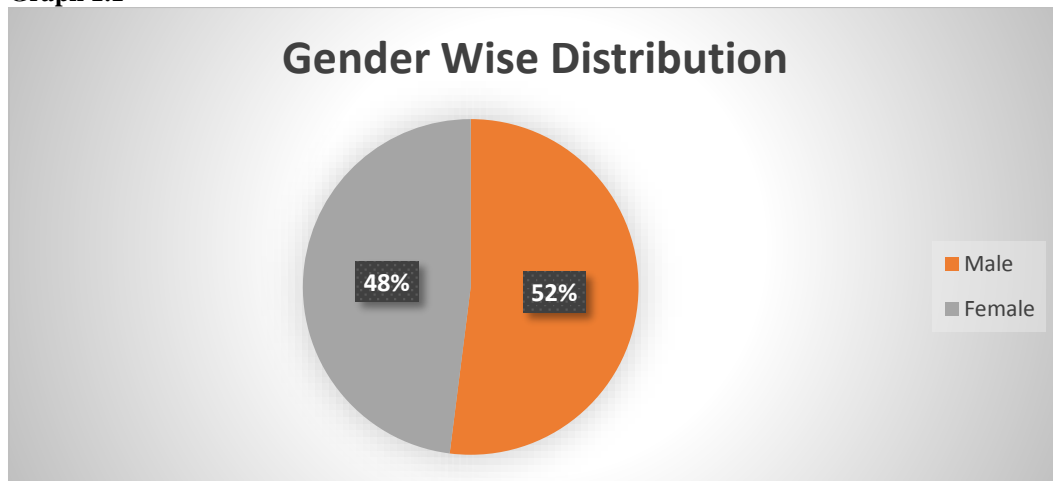
DATA ANALYSIS

Data Analysis:

The analysis of the Data was done with the Response that was received from 50 Students. The Responses were collected through the Questionnaire with the help of Google Forms which was circulated using social media like Facebook, whatsapp, email etc. The Respondents have given their feedback, response and Opinion in a Fair Manner.

The Questionnaire contained Basic Details to the Questions regarding the E-Learning Platform so we could analyze the challenges and opportunities of E-Learning in the Higher Education Sector in Pune during COVID 19.

Based on the Responses received the data has been analyzed with the Help of Pie charts and Bar Graphs in Microsoft Excel and then the Interpretations are made to each of the Question that was asked to the Respondents.

Table 1: Demographics of the Student

Parameter	No. of Students	Percentage
Gender		
Male	**26**	**52%**
Female	**24**	**48%**
Total	**50**	**100%**

Graph 1.1

Gender Wise Distribution

Table 1 Interpretation:

From Table 1 we get to Understand that Out of 50 Respondents 26 of them were Male Students (52%) and while 24 of them were Female Students (48%).

Table 2: Opinions of Students

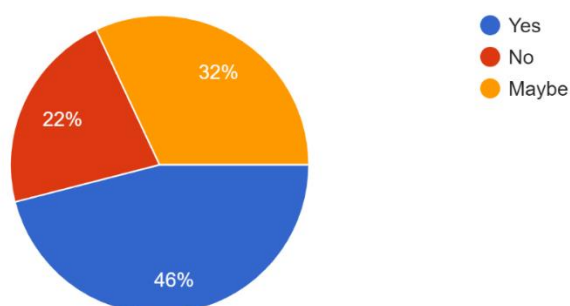| Table 2.1: Did E-Learning Provide Time Flexibility?		
Parameter	**Response**	**Percentage**
Yes	**23**	**46%**
No	**11**	**22%**
Maybe	**16**	**32%**
Total	**50**	**100%**

Interpretation 2.1:

The above Table shows that Most of the Students found it flexible doing E-Learning during this Pandemic Situation with almost 23 Response that is accounted for almost half of the Response. While 16 Responses were Maybe which meant they were in Doubt regarding it provided the Time Flexibility or not while 11 Students said it didn't provide any Time Flexibility.

Graph 2.1

Did E-Learning Provide you Time Flexibility ?
50 responses

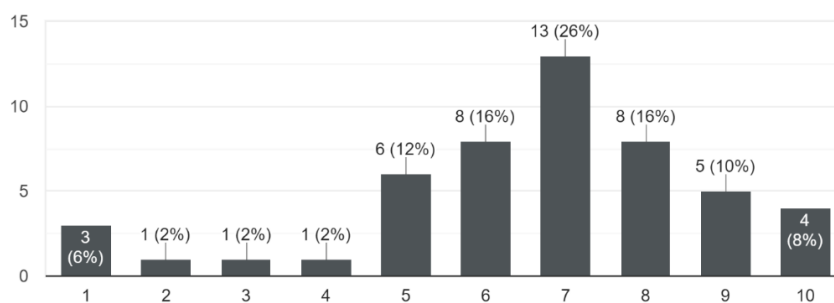| Table 2.2: Did your Tutor respond Promptly to your Queries?		
Points	Response	Percentage
1	3	6%
2	1	2%
3	1	2%
4	1	2%
5	6	12%
6	8	16%
7	13	26%
8	8	16%
9	5	10%
10	4	8%
Total	50	100%

Interpretation 2.2:

For the Question did the Tutor respond to the Queries Promptly 26% of the Students (13 Responses) gave a Point of 7 with 1 being the lowest while 10 being the Highest and also 16 Students responded with points of 6 and 8 being equally Divided (in no. of Response).

While we look into the Percentage with Points above 5 is 76% which shows that most of the Students were satisfied with the Tutors responding to the Queries raised by the Students.

Did your Tutor respond Promptly to your Queries?
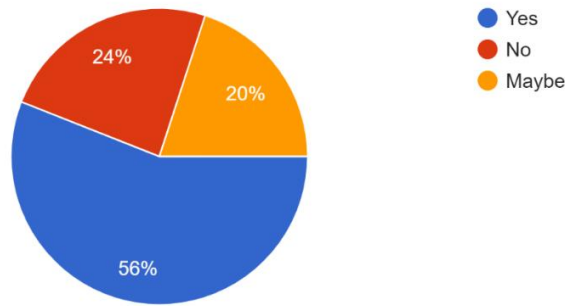50 responses

Graph 2.2

Table 2.3: Did you Face Issues while using E-Learning Platforms provided by your College/Institute?		
Parameter	Response	Percentage
Yes	28	56%
No	12	24%
Maybe	10	20%
Total	50	100%

Interpretation 2.3:

With 50 Students responding to the Survey, Out of the Responses received 28 of the Students said they faced Issues while using the E-Learning Platforms which is 56% and while only 12 Students said they didn't face any issue while using such Platforms.

So, from this Table we could make out that Students have faced issues during the usage of E-Learning Platform.

Did you Face Issues while using E-Learning Platforms provided by your College?
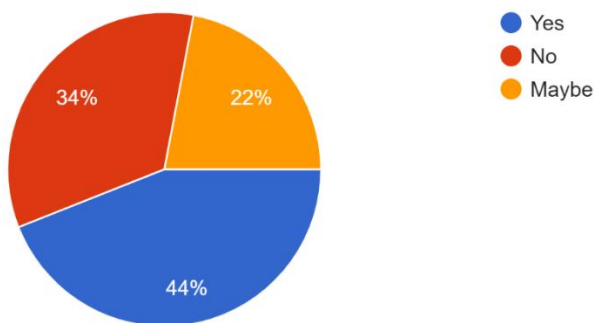50 responses

Graph 2.3

Table 2.4: Do you think E-Learning makes it easier for you to attend your Sessions?		
Parameter	**Response**	**Percentage**
Yes	22	44%
No	11	22%
Maybe	17	34%
Total	50	100%

Interpretation 2.4:

When asked to the Students about whether the E-Learning sessions made it easier to attend the Classes with Maximum No. of Students responding a Yes (22 Responses) which is almost 44% of the Study while 17 Students said Maybe not giving a Clear cut about the Response whether they totally liked it or not.

Maximum Students responded that it made easier for them to attend the Sessions.

Do you think E-Learning makes it easier for you to attend your Sessions?
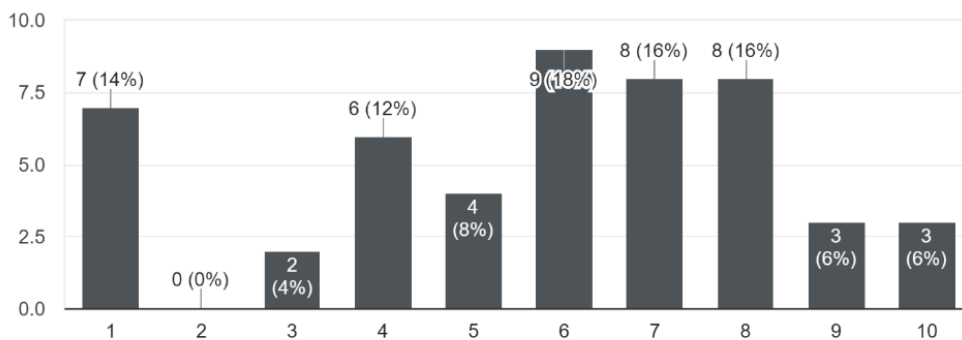50 responses

Graph 2.4

Table 2.5: Were you able to Understand the Concepts in the Course?		
Points	**Response**	**Percentage**
1	7	14%
2	0	0%
3	2	4%
4	6	12%
5	4	8%
6	9	18%
7	8	16%
8	8	16%
9	3	6%
10	3	6%
Total	**50**	**100%**

Interpretation 2.5:

When asked the Students whether they were able to Understand the Concepts Maximum Response (9) came with Rating as 6 which is 18% while 8 Students responded with a Rating of 7 & 8 Each which is accounted for 16% of the Response for each rating which shows that over 62% of the Response showed a Rating above 6 which shows that students were able to Understand the Course.

Were you able to Understand the Concepts in the Course?
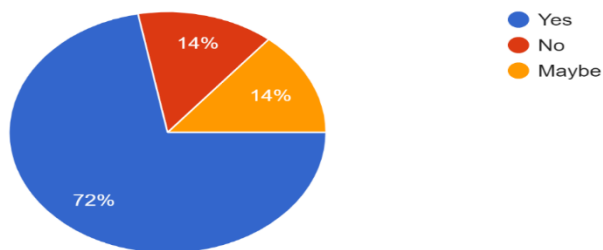50 responses

Graph 2.5

Table 2.6: Were you able to Complete your Assignments and Submit through E-Learning Platform?		
Parameter	**Response**	**Percentage**
Yes	36	72%
No	7	14%
Maybe	7	14%
Total	50	100%

Interpretation 2.6:

With Maximum No. of students responding Yes (36 Students) they were able to Complete the assignment and submit it through E-Learning Platforms which is accounted for 72% of the Study. We can interpret that most of the Students were able to do the Timely Submissions.

Were you able to Complete your Assignments and Submit through E-Learning Platform?
50 responses

Graph 2.6

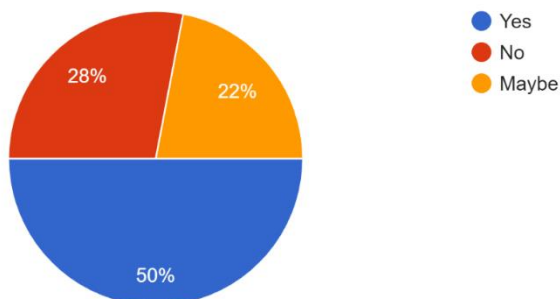| Table 2.7: Did E-Learning help to motivate you to Learn things yourself without Others Help?		
Parameter	**Response**	**Percentage**
Yes	**25**	**50%**
No	**14**	**28%**
Maybe	**11**	**22%**
Total	**50**	**100%**

Interpretation 2.7:

50% of the Students out of the Response said that they were motivated to learn things without help of others when they used E-Learning Platforms which shows a Positive Impact on It while 11 Students said maybe which accounted for 22% of Response and 14 Students said No which was of 28% of the Study.

Did E-Learning help to motivate you to Learn things yourself without Others Help ?
50 responses

Graph 2.7

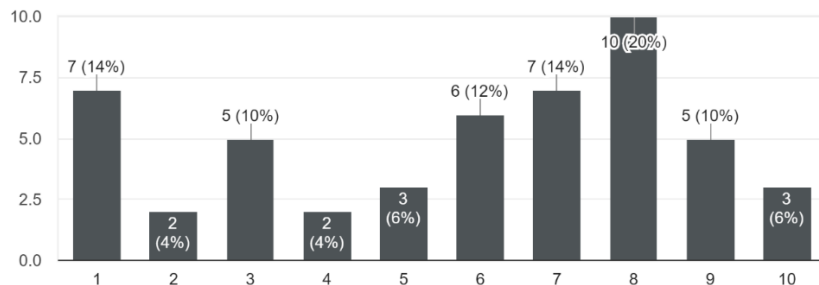| Table 2.8 How do you Rate the Online E-Learning Sessions Conducted by Various Institutes?		
Points	**Response**	**Percentage**
1	7	14%
2	2	4%
3	5	10%
4	2	4%
5	3	6%
6	6	12%
7	7	14%
8	10	20%
9	5	10%
10	3	6%
Total	**50**	**100%**

Interpretation 2.8:

When asked regarding the Overall rating for the E-Learning Sessions conducted by Various Institutes Maximum Response came with Rating 7 with 10 People Rating it which was 20% of the Survey while we look Rating above 5 then we can make out that 50% Students rated in such a Way which shows that Students are Just Satisfied with the E-Learning Sessions which is conducted by Various Institutes.

How do you Rate the Online E-Learning Sessions Conducted by Various Institutes/Platforms ?

50 responses

Graph 2.8

FINDINGS

The Study was mainly done to understand what was the challenges faced by the teachers and students in adapting to the e-learning process and awareness of Students during the Pandemic Situation leaving from the Traditional way of Teaching and getting into the E-Learning Way and to find how it has been affected them.

The Survey conducted within 50 Students selected from Pune of India giving their Honest Opinion regarding the E-Learning.

A Change from Traditional way of Learning to E-Learning may have caused Trouble to most of the Students for getting their doubts and queries cleared up while when we conducted the Survey and ask them to give a Rating from 1-10 on whether they were able to clear the Queries due to such a Way of Learning and 76% of the Ratings were above 5 which shows students were

When asked the Students whether they were able to understand the concepts of the course that they were being taught we received 62% Response with a Rating of above 5 which shows somewhat the students were able to understand the concepts.

It was Important to know student's perception over the E-Learning and a Question was added to rate the Classes Conducted on E-Learning while we analyzed the response which was received it was found that 62% of the Students gave the rating above 5 so when we analyzed in overall we get to know that students were Satisfied with the E-Learning Sessions.

CONCLUSION

With E-Learning as an Emerging trends and technology for the Education sector various Institutions should try and keep improvising the area to make it a Better way of Learning for the Students even when the Pandemic Situation is over.

We could prove our Objective in this Study with more than 60-70% of the Students who responded to the Study supporting the Way of E-Learning during this Situation which has showed that they were able to clear their Queries with the Tutor as well as understand the Concepts even when they were doing the E-Learning Sessions.

Doing the Analysis for the Other Questions students showed a Positive response to it too saying that they were motivated to learn things without others help also they could submit their Assignments and all thorough online platforms well.

A Drawback was found during this Study for the E-Learning where most of the students said they faced some trouble with the E-Learning Platforms provided by the Institutes.

Institutes should try to have their own Platforms for teaching the Students with Various Facilities maybe trying to Integrate along with the Artificial Intelligence and making this way of learning much easier for the Students in the Future.

Thus, while Concluding we can say that in Overall the E-Learning Platform has helped the students to Learn and stay connected with their Various Institutes during this Pandemic Situation and also there are scope for much more Improvement in the Future in this Sector and Various Institutes should try to work on It.

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