



E –Teaching : Issues and Challenges

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ABSTRACT :E-Teaching has brought revolution in the field of education,all over the world. Offline teaching has been replaced by online teaching due to emergence of covid -19, pandemic. E-teaching involves the use of desktops, laptops, internetand smartphones for delivering the learning content to the students. Teachers in various educational institutions contribute a lot to make the online learning process- a success through their knowledge and skills, yet there are some challenges faced by them during E-teaching process. This paper is an attempt to find out the issues and challenges faced by teachers while doing E-teaching /on- line teaching. Primary data has been collected from college teachers of Panipat and Karnal district through Google form questionnaire. The researcher describes the strengths and weaknesses of E-teaching from teachers perspective and also suggeststhe ways for effective teaching.

Keywords: E-teaching, pandemic, skills , perspective .

1. Introduction:E-teaching is also known as online teaching, web - teaching, E-learning, tele-teaching etc. The pandemic Covid-19 led to complete lockdown and closedown of all educational institutions to prevent the spreading of this deadly virus. This situation brought a major change in sector of education and traditional classroom teaching was converted into digital learning and even after the end of Covid -19. E-teaching is being used widely at educational and institutional level. These days also the demand for on-line teaching learning has been increasing rapidly due to cost effectiveness, opportunity for the students to attend the classes digitally from home, reduced distraction in comparison to off-line teaching, flexible schedule and environment and better retention due to delivery of interactive content. Moreover, on line teaching allows students and teachers to come together. The teachers are able to format the curriculum based on the needs of the individuals. It facilitates to provide confidential individual feedback of each student. Teachers can upload the lessons into LMS for students to access on their own time, by taking the advantage of automation in education. On-line assessment, make grading easy and parents can automatically get messages about the performance of their children.

So teachers as well as students, like E-teaching due to impressive learning, accessible long distance learning, personalized education experience of teachers etc.



The other aspect of the coin are issues and challenges involved in E-teaching. Although there are many disadvantages of E-teaching. The major one is that we get only theoretical knowledge not practical. So, let us have a closer look at these challenges and problems which may include lack of personalized feedback, social isolation leading to hyper tension and negative thoughts, absence of self motivation and time mgt- skills, lack of communication,lack of skill development in online assessment, fraudulent test results because of cheating in on- line assessment. One of the bigger challenge in E-teaching is that it is very difficult for teachers of practical subjects to deliver the subject content effectively through on-line mode. Digital teaching is not suitable for medical science and engineering also as it becomes only knowledge based not practicality based. Moreover, low computer literary rate in India and poor quality assurance and lack of accreditation of on- line education are some other issues of E-teaching.

2. Objectives

1. To identify the barriers in teaching through digital mode
2. To know the extent of understanding level of students if on line teaching is adopted.
3. To suggest the ways to overcome the barriers coming in the way to delivering/ E- lectures /E- Content .

3.Methodology:The study is based on primary data which has been collected from 50 teachers and professors of Panipat and Karnal district`s colleges. Google form has been used for on –line questionnaire to collect the data.

4.Significance of the study: This study will help to find out the teachers attitudes towards E-teaching during and after Covid -19 Pandemic. Research has been conducted for the teachers regarding the challenges faced by teachers while teaching through on- line mode. This study will search out the alternatives to make E- teaching effective. Education department of country mustprovide funds to educational institutions for required infrastructure for E- teaching to enhance the knowledge and digital skills of teachers for the betterment of the students.



5. Analysis

5.1 Lack of face to face interaction

In on line teaching information is verbally passed to students in a short time at once. Students do not get opportunity to take active part in a discussion. They are not involved in any talk on the proposed topic to be learned or a presentation on the concerned topic and doing something practical. So passive teaching makes the students passive learners. This absence of physical interaction between a student and a teacher leads to passive environment as it is presented in table- 1

TABLE- 1

Question	Agree	Strongly agree	Disagree	Strongly disagree	Can't say	Total
Lack of face to face interaction with the students create a passive environment	26	20	0	1	3	50
Percentage	52	40	0	2	6	100

This table shows the responses given by respondents . Most of respondents are agreed towards this statement, only 2% respondents are disagreed.

5.2. Difficulty in judging the performance of students

Evaluation of performance of students bridges the gap between teaching and learning. Assessment plays an important role as it provides feedback of students about their performance, strength and weakness and by using this feedback students can form their study strategies and seek additional resources to improve their performance. But on the other side, on- line teaching has also developed the new sophisticated cheating techniques for students. The internet and other cutting edge solutions have increased the probability of cheating by the students through more easy accessibility of information. So educators are finding out strategies to avoid the fraudulent practices of students to maintain integrity.

Table 2

Question	Agree	Strongly agree	Disagree	Strongly disagree	Can't say	total
It becomes difficult to judge the performance of students in on-line platforms	29	12	6	0	3	50
Percentage	58	24	12	0	6	100

In this table most of the respondents have showed their acceptance (82%) but only 12% respondents have disagreed with this statement .



5.3. Difficult to notice face reaction of each student.

As there is no personal face to face contact with the students in case of on-line teaching. It is said that face is the index of mind so up to what extent the concept taught is being understood by students remains unknown because feedback from each student is not effective without judging the face reaction.

Table 3

Question	agree	Strongly agree	disagree	Strongly disagree	Can't say	total
It is difficult to notice face reaction of each and every students so feedback becomes a major concern	28	22	0	0	0	50
percentage	56	44	0	0	0	100

This table 3 shows that all respondents are agreed, it reflects that every respondent has chosen the same option.

5.4. Difficult to explain practical question to students.

Explaining a practical question to students is really difficult for the teachers. Digital teaching poses a great threat for the teachers, teaching practical subjects like cost accounting, financial accounting, mathematics, Income tax, statistics, etc where every problem has practical implications and given problem can be solved in a numeric terms. On-line teaching requires a technical setup and it is very much time consuming also.

Table 4

Question	agree	Strongly agree	disagree	Strongly disagree	Can't say	total
Explaining a practical question to students is really difficult on online platform	25	15	8	1	1	50
percentage	50	30	16	2	2	100

Out of 50 respondents 80% are agreed while those who are not agreed are only 20%. This table reflects that teachers face difficulty in explaining practical questions in an online class platform by the teachers.



5.5.Poor internet connection is a serious concern which creates a lot of trouble.

One of the major drawback of E- teaching is the lack of strong and stable internet connection. Conventionally, connection with low bandwidth are used at homes and sometimes their data limits gets exhausted and the logging in for a class becomes a difficult task for teachers as well as for students.

TABLE 5

Question	agree	Strongly agree	disagree	Strongly disagree	Can't say	total
Poor internet is a serious concern which create a lot of trouble in online teaching	27	22	0	0	1	50
Percentage	54	44	0	0	2	100

Only 2% respondents have not expressed their view and the remaining 98% have agreed that good internet connection can run on –line classes smoothly.

5.6.Students are not alert in online classes.

It is generally found that students face difficulty in engaging themselves in online classes for a longer time because it creates stress for eyes and mind both So they become non attentive in the class and get easily diverted to other sites of their own interest like social media as on line learning for them becomes monotonous.

TABLE 6

Question	agree	Strongly agree	disagree	Strongly disagree	Can't say	total
Students are not alert in online class as compared to offline class	27	22	1	0	0	50
Percentage	54	44	2	0	0	100

Almost all the respondents of our study are agreed with this that in online class students are not alert as compared to offline classes.

5.7.Facility of recorded videohas solved the problem of explaining again and again to student.

Although the recorded video is a very powerful tool along with other resource material available to teachers for teaching a particular topic.They generate more interest and enjoyment in topics to be taught. Moreover it does not need internet connection if we have power and a working device for recording but at the sometime it is very mu7ch expensive and time consuming and require expertise for editing and creating the video. It also needs a lot of bandwidth and time to load .



TABLE -7

Question	agree	Strongly agree	disagree	Strongly disagree	Can't say	total
The facility of recorded video has solved the problem of explaining again and again to students	32	8	3	1	6	50
Percentage	64	16	6	2	12	100

In this table 80% are agree with the statement that facility of recording video has solved the problem but 12% are neutral towards this.

8. Initial preparation for online classes

While switching over to online classes teachers have to make some preparation like adding each and every student of the class in online classes group through mail ID and then make ensure that each student join the class according to the planned schedule. Similarly searching out the computer equipment and adequacy of Wi-Fi connection and finding out the effective way of delivering a subject content to the students are pre requisities for on- line teaching.

TABLE 8

Question	agree	Strongly agree	disagree	Strongly disagree	Can't say	total
Teachers have to do a lot of initial preparation like making presentations ,content in online classes	36	11	2	0	1	50
percentage	72	22	4	0	2	100

Nearly 94% respondents give their acceptance that teacher has to prepare different presentations and content in online classes.

9. Wide gap between expected and real results

It is observed that there is a discrepancy between what a student has learnt and what a student was expected to learn this is called learning gap. This is experienced during online education due to disruptions in curriculum like changed schedule, Glitchy technologies mid-year teacher replacements, and at home distractions. All these things have led to learning loss and gap in learning because changes to a learning environment affects both students as well as teachers.



TABLE 9

Question	agree	Strongly agree	disagree	Strongly disagree	Can't say	total
Online education has made a wide gap between expected results and actual results	30	15	0	0	5	50
percentage	60	30	0	0	10	100

90% respondents are agree with that there is a wide gap between expected result and actual results.

10. Uneven work load in institutions

Covid- 19 and pandemic has led the digital transformation of education. A nationwide survey revealed that 90% of teachers noticed a sharp increase in workload. The teachers are engaged in making lesson plans and worksheets before taking online classes. Moreover online classes without a break may lead to decreased attention of the students, sleep disorder and depression also .More over teachers are required to prepare presentation and use different education tools like online quizzes to teach students .Online teaching is especially burden for teachers who are not very tech-savy.

TABLE10

Question	agree	Strongly agree	disagree	Strongly disagree	Can't say	total
Online education has resulted in uneven workload in institutions	27	8	8	0	7	50
Percentage	54	16	16	0	14	100

Out of 100% respondent 16% are not agreed where as 70% are agreed that online education has resulted in uneven workload in institutions.

11. Teachers are not able to focus on their research work.

Due to a lot of challenges of online teaching, teachers get lesser time for their research work. Most of the time and efforts of teachers are invested in solving technical issues .Adopting new technology for organising and doing effective management, motivating students, keeping the track of the progress and assignment of students and sometimes learning the new software skills. So, teachers time and energy is exhausted to make the online education, a success and consequently research work is ignored.



TABLE11

Question	agree	Strongly agree	disagree	Strongly disagree	Can't say	total
Teachers are not able to focus on their research work because of online education	26	8	9	0	7	50
percentage	52	16	18	0	14	100

18% respondents are of the opinion that online education has not affected the research work while 68% says that online education take their lots of time.

12.Difficulty in analyzing teacher`s performance

In case of online teaching, evaluation of teachers performance is a very difficult task as it depends upon so many factors like organizational system, incentives, electronic tools, skills and knowledge and his individual attributes. Teachers perform their duties by completing the syllabus but without caring about understanding level of students .Solutions of specific problems related to subjects are ignored. To assess the true feedback of student is also a complicated task.

TABLE 12

Question	agree	Strongly agree	disagree	Strongly disagree	Can't say	total
Difficulty in analyzing teacher`s performance	18	7	14	0	11	50
percentage	36	14	28	0	22	100

This table reveals that 50% of respondents are agreed and 28% are disagreed and 22% are neutral about this statement.

13. Teachers have to go through physical and psychological burden.

Digital teaching has brought with it added stress due to excessive work load, in sufficient training, less job security and absence of interpersonal communication. Such type of mental burden has also created health issues. The rate of taking sick leave and absenteeism is also increasing. So online teaching has also created mental and physical burden on teachers.

TABLE 13

Question	agree	Strongly agree	disagree	Strongly disagree	Can't say	total
Teachers have to go through physical and psychological burden	26	8	9	1	6	50
Percentage	52	16	18	2	12	100

This table shows 68% response agree that teachers have to go through mental and psychological burden and 20% are disagreed with statement.



14. The respect and dignity of teacher in online education is less.

Teacher student interaction is encouraged in offline teaching. So a student learn more and more things except those mentioned in a lecture. Therefore teachers are also able to know his student better. Students can ask questions, solve task and receive personalized feedback from teachers . In this way the respect and dignity of teachers is always more in offline teaching.

TABLE 14

Question	agree	Strongly agree	disagree	Strongly disagree	Can` t say	total
The respect and dignity of teacher in online education	24	15	9	0	2	50
percentage	48	30	18	0	4	100

Nearly 80% respondents are agreed that the respect and dignity of teachers in online classes is less than offline classes.

15. Costlier for a teacher to arrange equipment for online classes .

While doing online teaching, a teacher has to arrange computer or laptop with camera, microphone accessories and other software devices for recording coursewebsite and email mandatory service. So it is difficult for a teacher to purchase all those costlier equipments for online classes.

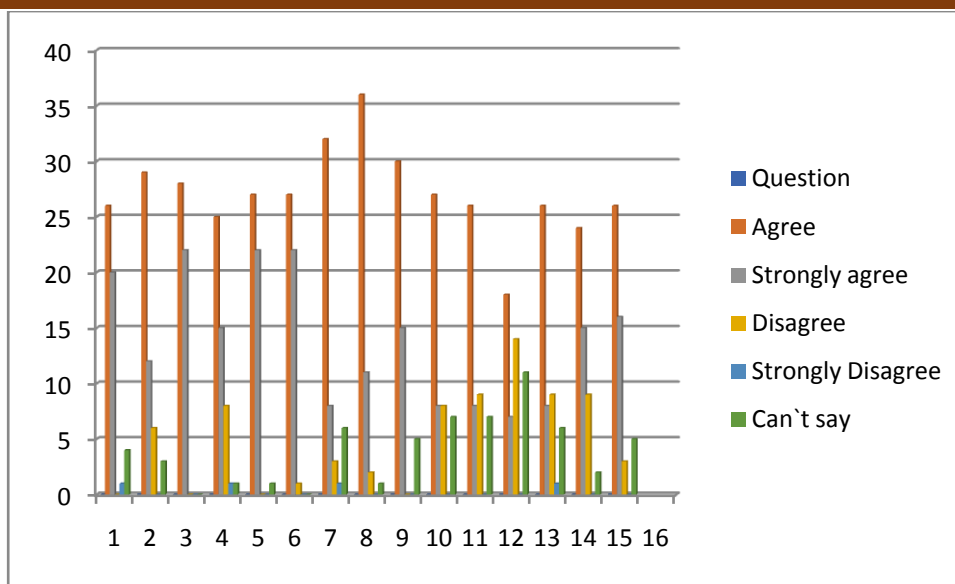
TABLE 15

Question	agree	Strongly agree	disagree	Strongly disagree	Can` t say	total
It is even costlier for a teacher to arrange equipment for online classes	26	16	3	0	5	50
percentage	52	32	6	0	10	100

Nearly 84% respondents are agree with the statement that for a teacher it is costlier to arrange equipments while only 6% are disagree with the statement.

Findings

- The findings of this study are based on the collection of primary data which reflects the challenges in E-teaching.
- In our study we found that although E- teaching has positive impact on the students and due to its various advantages the use of e-teaching is increasing day by day, yet teacher has to face a lot of problems while delivery the syllabus contents to on-line students.
- E-teaching module is unavoidable option in higher education but it can not ignore the advantages of face to face learning.



Suggestions

- In order to have attention on learning, teachers can determine the Focus Hours where students can ignore their phones and reserve their time to concentrate on learning.
- Use of time management skills can help the teachers to do research work also besides online teaching.
- Proper training must be given to teachers before taking online classes regarding the usage of institutional software installed for E teaching.
- Educational Institutions must provide the computer or laptop facility along with internet and other accessories to reduce their financial burden.
- A healthy and motivating environment must be created to boost the morale of teachers to facilitate E- teaching.



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