"A STUDY ON TEACHER'S PERCEPTION TOWARDS ONLINE TEACHING"

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Abstract:

In a traditional country like India, we still follow traditional classroom learning but the covid-19 pandemic has changed the situation and now India is ready to impart technology based online education. Due to the pandemic, it was compulsory to shift the classroom learning to online learning if not it was like wasting the time of the young students without imparting knowledge. It's been almost more than one and half years world is suffering with covid-19 in this type of situation where social distancing is must digital online platform have played an important role in all the fields.The present study is an attempt to examine the perception of a teacher towards online education and study the challenges faced by them during conducting the online classes. The major Objectives of the study are 1 To Study the perception of teachers towards online teaching 2. To analyze the challenges faced by teachers during online classes.Review of Literature- In order to understand theperception of a teacher towards online education, the Study conducted in India and Abroad has been studied. Sample -The present study conducted in Dharwad and Gadag District. The random sampling design was employed for the selection of the Teachers. The total 150 teachers, 90 male and 60female were randomly selected from different Degree College, of Dharwad andGadagDistrict for the present study. Method-Research paper is basically descriptive and analytical in nature and is based on both primary and secondary data according to the need of this study. Tools Used-Structured questionnaire designed by Researcher keeping in view of different Components of teaching, applications used to online teaching, issues faced for using the online tools etc. Statistical Techniques-Cross tabulation and percentage analyses are used for the analysis of thedata.Findings-1.Out of 150, 40% teachers prefer to conduct offline mode of teaching.2.Even though they prefer offline mode, 26.6% are also comfortable in online teaching.3.Out of 150, 113 teachers were trained enough to conduct the online classes.4.As the applications are user friendly, most of the faculties are using Zoom (60%) and Google meet (45%) 5.There are many challenges faced by the teachers for conducting the online classes, majority (29.5%)of them were facing the problem of adaptability,24.5% were facing the technical issues and remaining 26.% & 20% are facing the problem of time management and computer knowledge.

Key words:Perception, Online Teaching,Learning, Online Resources

Introduction

Online teaching-learning has invaded total education process in the recent times, especially during covid19 pandemic. In spite of closure of educational institutions; the teaching-learning has been carried out uninterruptedly by means of online mode. A drastic change in the education system as educational institutes is forced to progress from classroom learning to E-learning / online learning. And the importance of online classes has been increased very rapidly and the ICT has been a guide for distance learning.

Online education has been the most happening trend in the field of education. With the help of advanced technologies, this mode of learning has been made simpler. Mostly this type of education is highly preferred in higher education. In Online education, the students can attend the class anywhere from the far place and it's more convenient. They are acquiring the study material /notes through online itself which may be in form of texts, audios, videos and images. Some of the advantages of Online teaching is Flexibility of time and place,online resources, information sharing etc, disadvantages can be no access

to internet/technology, knowledge to use technology etc. Despite of disadvantages the teachers are trying their best enough to conduct the online classes. There are many online applications like Zoom, Microsoft teams, Google meet etc, for conducting online classes and many of them are not familiar to the technology , so it the responsible of the management to provide the adequate training facilities to the faculties such that the online classes may be effective.

1. Concept of Perception, Online Teaching and Learning

a) Perception:Perception is the sensory experience of the world. It involves both recognizing environmental stimuli and actions in response to these stimuli.

b) **Online teaching**

Online teaching is the process of instruction in an online, virtual or networked, environment in whichteacher and students participate from separate physical locations. It provides opportunities to accessand share information more easily and readily.

c) **Learning**

"Learning is a permanent desirable series of changes in behaviour and experience. It does notinclude change due to illness fatigue, maturation and use of intoxicants."

"Learning is a process of bringing relatively permanent changes in behaviour through experience."

2. Need and Importance the Study:

The present study aims to examine the perception of a teacher towards online education and study the challenges faced by them during conducting the online classes. It attempts to shows the perception of a teacher towards online Teaching.

3. Limitations of the Study

It covers only respondents from Dharwad and Gadag districts, by keeping a sample of 150.

Objectives

This paper examines the perception of a teacher's towards online teaching and study the challenges faced by them during conducting the online classes.

i. To Study the perception of teacher's towards online teaching

ii. To analyze the challenges faced by teacher's during online classes.

4. Review of Literature

In order to understand theperception of a teacher towards online education, the Study conducted in India and Abroad has been studied.

5. Statement of Problem:"A study on Teacher's Perception towards Online Teaching"

6. Hypotheses: The null hypotheses were set up for the present study.

7. Design of the Study

- Method: Research paper is basically descriptive and analytical in nature and is based on both primary and secondary data according to the need of this study.

- Sample: The present study conducted in Dharwad and Gadag Districts. The random sampling design was employed for the selection of the Teacher and Students. The total 150 teachers, 90 male and 60 female teachers were randomly selected from different Degree College, of Dharwad and Gadag Districts for the present study

- Tools Used: A Structured questionnaire designed by Researcher keeping in view of different Components of teaching, applications used to online teaching, issues faced for using the online tools etc.

8. Data Collection procedure

A structured questionnairewas prepared and used for assessing the Teacher's Perception towards online teaching. Structured questionnaires used by the investigator were administered to the teachersworking in different colleges of Dharwad and Gadag districts.The responses of teachers have been collected by the investigator. Theresponses were given by the teachers were relevant to the subject.
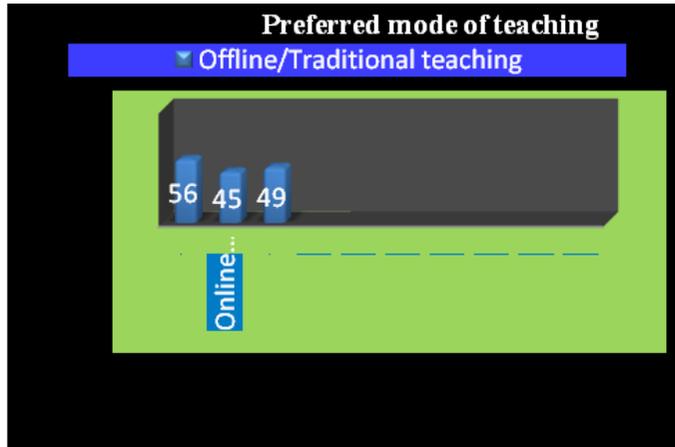
9. Statistical Techniques

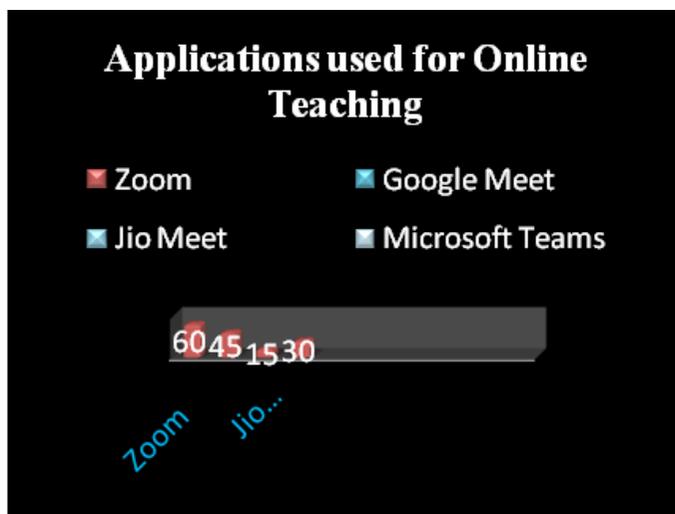Simplecross tabulation and percentage analyses are used.

10. Analysis and Interpretation:

Figure 1: Response towards preferred mode of teaching

Preferred mode of teaching
Offline/Traditional teaching
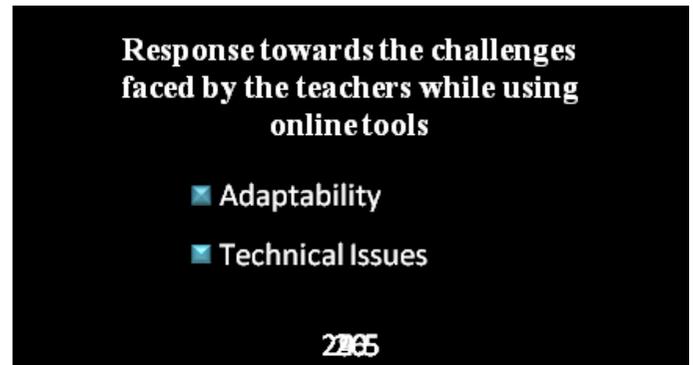56 45 49
Online...

This result indicates that majority of the teacher's i.e. Around 37.33% are comfortable with the offline /traditional mode of teaching and 30% prefer the online teaching, remaining 32.66% of them feel that the mode of teaching differs from time to time.

Figure 2: Response towards applications used for online teaching

Applications used for Online Teaching
Zoom   Google Meet
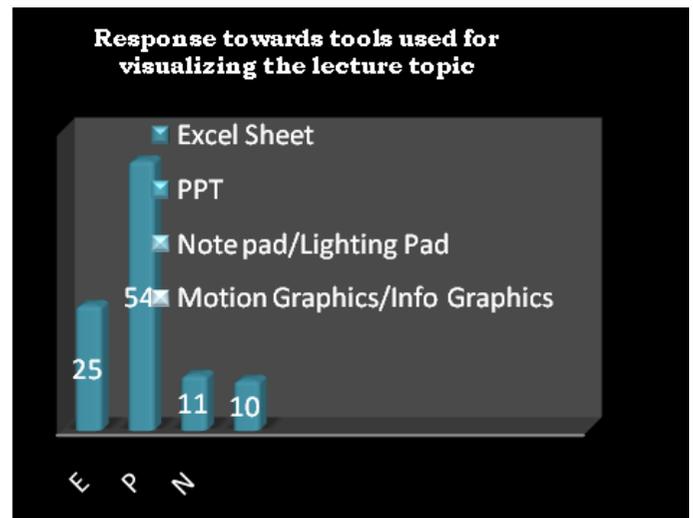Jio Meet   Microsoft Teams
60 45 15 30
Zoom   Jio...

This result indicates that most of the teachers are familiar with the application Zoom and Google meet for conducting online classes. Majority i.e. 60 % uses zoom and least usage is with Jio meet i.e. 15 %.

Figure 3: Response towards the challenges faced by the teachers while using online tools

Response towards the challenges faced by the teachers while using online tools
Adaptability
Technical Issues
29 65

The above chart represent that 29.5 % of faculties are not adaptable with online tools, 24.5% were facing the technical issues and remaining 26% &20% are facing the problem of time management and computer knowledge.
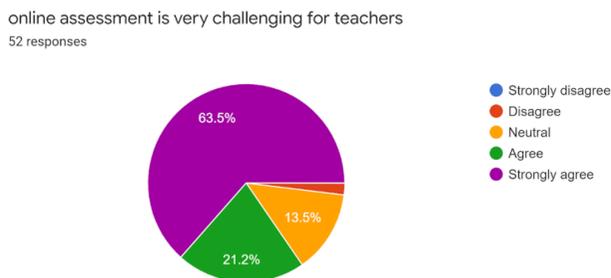
Figure 4: Response towards tools used for visualizing the lecture topic

Response towards tools used for visualizing the lecture topic
Excel Sheet
PPT
Note pad/Lighting Pad
54 Motion Graphics/Info Graphics
25
11 10
E P N

This results indicates that majority (54%) of the teachers are using the PPT for visualizing the concepts and 11% are using the note pad /lighting pad and 25 % are using the excel sheets for explaining the Practical concepts. Only 10-% are using the Motion /info graphics.
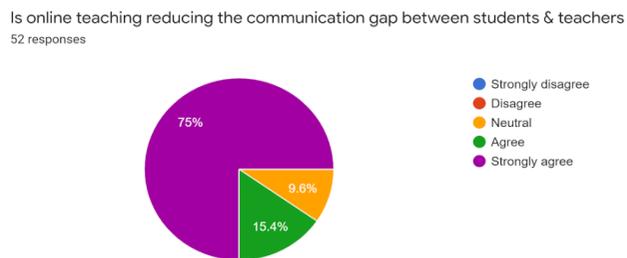
Figure 5: Response towards online assessment

online assessment is very challenging for teachers
52 responses

- Strongly disagree
- Disagree
- Neutral
- Agree
- Strongly agree

63.5%
13.5%
21.2%

Figure 6: Response towards communication gap between students & teachers

Is online teaching reducing the communication gap between students & teachers
52 responses

- Strongly disagree
- Disagree
- Neutral
- Agree
- Strongly agree

75%
9.6%
15.4%

This result indicates that almost 63.5% of them strongly agree that online assessment is very challenging and remaining 13.5% are neutral.

From the above chart, it clearly stated that almost 75 % of the teachers strongly feel that there is a communication gap between students and teachers in online teaching. Remaining 9.6 % are neutral.

Table 1: Analysis of teacher's perception towards Online teaching questions based on Age Group

Questions	Age group	Yes	No	Sometimes it varies
Is online teaching comfortable	25-30	32	6	5
	30-40	15	09	14
	40-50	03	01	0
Are the applications user friendly	25-30	19	07	5
	30-40	12	0	21
	40-50	0	0	1
Do you use both audio and video while conducting the online classes	25-30	40	11	1
	30-40	32	05	14
	40-50	11	14	1
Is it easy to clarify the students doubts during online classes	25-30	17	1	11
	30-40	10	4	19
	40-50	0	3	0

This table indicates that age factor seems to play an important role in teacher's response towards questions on online education. The above results states that, teachers of 25-30 age group are more comfortable in online teaching than comparative to the age group of 30-40 & 40-50, as they are aware of technology and its usage. And majority of teachers belonging to 25-30 age groups uses both audio and video mode while conducting the online classes and teachers of 30-40 age group use both the audio and video depending on the lecture topic.

11. Major Findings

- Out of 150, 40% teachers prefer to conduct offline mode of teaching.

- Even though they prefer offline mode, 26.6% are also comfortable in online teaching.

- Out of 150, 113 teachers were trained enough to conduct the online classes.

- As the applications are user friendly, most of the faculties are using Zoom (60%)and Google meet (45%)

- There are many challenges faced by the teachers for conducting the online classes, majority (29.5%)of them were facing the problem of adaptability,24.5% were facing the technical issues and remaining 26.% & 20% are facing the problem of time management and computer knowledge.

- Out of 150, 83 teachers uses both audio and video mode while conducting the classes , 26 teachers at times they use both and remaining 04 they won't use audio and video simultaneously.

- Majority (54%) of the teachers are comfortable in using the PPT for visualizing the concepts and 11% are using the note pad /lighting pad and 25 % are using the excel sheets for explaining the Practical concepts. Only 10% are using the Motion /info graphics.

- 63.5% of teachers strongly agree that online assessment is very challenging and remaining 13.5% are neutral.

- 75 % of the teachers strongly feel that there is a communication gap between students and teachers in online teaching. Remaining 9.6 % are neutral.

- Age factor seems to play an important role in teacher's response towards questions on online education. As the teachers of 25-30 age group are more comfortable in online teaching than comparative to the age group of 30-40 & 40-50, as they are aware of technology and its usage.

12. CONCLUSION

Online teaching is an exciting way of teaching, as it involves innovative methods to teach. Due to this pandemic the importance has been increasing tremendously. The teachers are trying to deliver the lecture in the best and simplest way. The only problem is that many of the teachers are facing the lack of awareness, usage regarding the online applications/tools. The management has to provide enough training facilities to the faculties, such that they are enough confident while delivering the lecture.Though, young teachers are very much comfortable with online teaching as they are aware about the technology and its usage. And it is observed that there is more communication gap between the students and teachers due to this online teaching, this can be overcome by creating an interactive environment and by interactive questions and answers activities etc.However, this online teaching can't replace the face to face classroom teaching. But we can't ignore the benefits derived from online teaching. Due to this pandemic, we can't stop teaching and learning so there is a need to accept /understand the obstacles that come in the way of online teaching and take a corrective measure to overcome such issues/challenges.

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