

TEACHER TRAINEES PERCEPTION ON EFFICACY OF ONLINE TEACHING LEARNING DURING CORONA PANDEMIC

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Abstract

Education has changed globally due to covid 19. At present due to covid 19 ,online teaching learning is emerged as most popular way of teaching learning. Covid 19 has affected the education at all levels and teacher education is also not exception. This study is conducted on 210 teacher trainees. Data was collected through online mode with the help of self developed opinionnaire. The main aim of the study is to find out the B.Ed teacher trainees perception towards online teaching learning. Survey method is employed for the study. Finally the investigator concludes that teacher trainees has positive perception towards online teaching learning.

Key words: *Online teaching learning, perception, teacher trainees*



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Introduction

Sudden outbreak of covid 19 pandemic begin a new interest on the utility and role of online and digital learning throughout the world. The Indian higher education system is third highest in the world as per the record available. There are 993 Universities, 39931 colleges, 10725 standalone institutions all over India. During the covid-19 pandemic the sudden shift from traditional chalk and talk method to online or blended learning reconsidered the change in idea of pedagogy. Covid 19 affected higher education like never before. Teachers were forced to adopt digital transformation overnight. Educational institutions shifted over to online education overnight.

Present paper seeks to answer The following research questions:

- To what extent do teacher trainees have access to online resources.
- To what extent teacher trainees are aware of online resources.
- Do teacher trainees perceive the use of online teaching learning.

Objectives of study

- The main objective of the study is to analyse the perception of teacher trainees about online teaching learning mode.
- To understand the perception of teacher trainees regarding the use of online teaching learning modes
- To Find out the prospects and challenges of online learning in teacher education in India.

Operational definitions of the key terms

Perception

Perception includes individual feeling for or against something. In other words, the degree of favourableness or unfavourableness towards any object group, thing, person or idea is called perception.

Online teaching

Online teaching means teaching-learning with the help of ICT tools or teaching-learning with the help of internet or virtual platforms like webinars, video conferencing, live classes etc.

Teacher trainees

Teacher trainees are those who are studying in bachelor of education program in the colleges of education are called teacher trainees.

Methodology

This paper was based on both primary and secondary data. While preparing this paper descriptive research methodology and explorative research methodology has been used. The purpose of the paper was to find out the perception of teacher trainees regarding online learning. An opinionnaire prepared by researcher in the form of Google forms was designed by consultation with experts and colleagues.

As secondary source of data various research studies, reports and data available in the web resources of UGC ,all India survey of higher education etc were used as part of the research study

For the study initially link of the questionnaire was send to 280 teacher trainees, out of which only 210 teacher trainees responded to the questionnaire. So the total sample size of the research was 210. For collecting the samples random sampling technique was used and the data collection was done in the month of May - June 2021.

Research method

The researcher adopted a descriptive survey method and quantitative research approach to conduct this present study.

Population

All the teacher trainees of Uttar Pradesh, Delhi and Uttarakhand studying in the B.Ed colleges comprised the population of the study.

Selection and construction of the Tool

Researcher prepared a self made close ended questionnaire to know the perceptions of teacher trainees regarding online teaching. opinionnaire was a likert type scale having five options from strongly disagree to strongly agree. opinionnaire Consisted of, 30 items .Reliability of the opinionnaire was checked by test retest reliability. The coefficient of correlation was 0.74. In starting there were 50 items in the questionnaire, after consultation with the experts of the field and to give the final form to the tool, through the guidance and advises of the Experts ,researcher finalized only 30statements in the questionnaire.

Tool

Validity and reliability of the tool

Validity is the most important criteria in developing any tool. In this investigation the tool was submitted to the panel of experts for their suggestions and advises. Experts scrutinized the developed tool and their suggestions, Were incorporated accordingly in developing final tool.

5 point likert scale was used to collect the opinion of teacher training regarding online classes .5 point likert scale indicates with one being strongly disagree and 5 being strongly agreed. After constructing a questionnaire to know the feasibility of the questionnaire ,pilot study conducted and review the questionnaire.

Data collection

Data was collected and recorded in a systematic way later analysed . Collected data work categorised into demographic information. secondary sources were used for preparing the concept and supporting the findings.

Sampling

The researcher used random sampling technique to conduct this study.

Sample

The sample for the study consists of B.Ed teacher trainees of session 20- 22 presently studying in B.Ed colleges. A total number of 210 teacher trainees responded to the questionnaire. questionnaire was send to them through WhatsApp and Gmail .Total number of 280 teacher training in the starting was selected as a sample of the study.

Demographic analysis of teacher trainees

The demographic details of teacher trainees were collected to know their background like gender, stream ,age in years, residence, device used and network used. Table 1 indicates the demographic profile of the respondent teacher training which shows that female are major in respondent. Majority of the teacher trainees 62% were female and 38% of the respondents were male teacher trainees . 52% of the respondent teacher trainees belong to urban area and 48% of the respondent teacher training belong to rural area. 10% of the respondent belongs to 18 to 20 years of age, 32% respondents belong to 20- 22 years of age, 46% of respondent belong to 22-24 years of age and 10% responded belong to 24 to 26 years of age only 2% respondent belong to 26 to 30 years of age. 50% of the respondent belong to arts stream 30% belongs to science stream and 20% of the respondent belongs to commerce stream. 60% of the respondent used mobile for taking online classes and 40% of the respondent used laptop for taking online classes. 78% of the respondent used mobile for network and 22% of the respondent used broadband network facility

Table 1

Variable	Percentage of teacher trainees
Gender	
Male	38%
Female	62%
Residence	
Rural	48%
Urban	52%
Age in years	
18-20	10%
20-22	32%
22-24	46%
24-26	10%
26-30	2%
Stream	
Arts	50%
Science	30%
Commerce	20%
Device used	
Mobile	60%
Laptop	40%
Network used	
Mobile	78%
Broadband	22%
Name of app or tool	
Google classroom	63%

Whatsapp	20%
Zoom	45%
Google meet	42%
You tube	39%
Skype	1%

Tools used for online classes

There are various numbers of tools available in the market for online classes. Some of them are free tools and some of the tools are premium. to know the popular tools among teacher trainees, the researcher asked them to mention the tools they used for their online classes. For this question participants can specify more than one option.

From the above table 1 we can quickly identify that among the many popular online tools available in India for online classes Google classroom(63%) is the most widely used tool. It is the most preferred tool for online classes by B.Ed teacher trainees . Google meet(42%) is considered the second most popular and preferred tool for an online class. YouTube(39%) is also popular among the respondents regarding online classes. WhatsApp(20%) is also popular online tool used for communication by respondents but Skype(1%) is considered as least used tool. This analysis clarifies that respondents use mainly those tools for online classes which are easy and convenient to use.

Statistical technique used

Researcher used percentage analysis to know the perception of the teacher trainees regarding online teaching learning

Data analysis

The data were analysed according to each question mentioned in the Google form to know teacher training perceptions The perception of teacher trainees of B.Ed were analysed on the basis of percentage response on each statement of the questionnaire.

For statement number one **online teaching learning is a learner centred method** 52.5% teacher training strongly agree, 22.5% teacher training agree ,7.5% teacher trainees are neutral 10% teacher trainees disagree and 7.5% teacher training strongly disagree with this statement.so most of the teacher trainees opine that online teaching learning is a learner centred method.

For statement number two **I can learn effectively using online method then traditional method** 15% teacher training strongly agree ,65% teacher trainees agree, 2.5% teacher trainings are neutral 10% teacher trainees are disagree and 7.5% teacher training strongly disagree with this statement. so most of the teacher trainees opine that with the help of this online teaching learning they can learn effectively

For statement number three **this online teaching learning help me to improve my teaching skills** 50% teacher trainees strongly agree 22.5% teacher trainees 7.5% teacher trainees were neutral 7.5% teacher trainees and 12.5% teacher trainees disagree with this statement so most of the teacher trainees opine that this online teaching learning help them to improve their teaching skills

For statement number 4 **this online teaching learning is capable of testing the knowledge of the learner effectively** 10% teacher training strongly agree 77.5% teacher trainees 2.5% teacher trainees are neutral 5% teacher trainees is disagree and 5% teacher trainees strongly disagree with this statement so it can be concluded that the teacher trainees that this online teaching learning is capable of testing the knowledge of the learner effectively. For the statement number 5 **it is difficult to understand teaching skills by this online teaching learning method** 5% teacher trainees strongly agree 5% teacher training agree 32.5% teacher trainees are neutral 20% teacher trainees are disagree and 37.5% teacher trainees strongly disagree with the statement so teacher trainees opine that it is not difficult to understand teaching skills by online teaching learning

For the statement number 6 **it is easy to get proper practical knowledge of teaching skills by this online teaching learning method** 7% teacher trainees strongly agree 56% teacher training agree 9% teacher trainees are neutral 20% teacher trainees are disagree and 8% teacher trainees strongly agree with the statement so teacher trainees opine that it is easy to understand practical teaching skills by online teaching learning methods.

For the statement number 7 **it is difficult to get proper feedback immediately by this online teaching learning method** 5% teacher trainees strongly agree 5% teacher training agree 22.5% teacher trainees are neutral 20% teacher trainees are disagree and 47.5% teacher trainees strongly disagree with the statement so teacher trainees opine that it is not difficult to get proper feedback immediately by online teaching learning.

Results

The reactions or perceptions of the teacher training were found favourable towards the online teaching learning classes. This maybe due to the fact that online teaching learning allow the teacher trainees a lot of freedom to learn and they can learn at their own pace.

Online teaching experience

Teacher trainees experienced that, Teachers capacity to take online classes is very important aspect of online teaching. Teachers ability in operation of e -content, selection of virtual tools, choosing suitable digital platform and selection of proper online assessment tool is very important in success of online teaching.

The challenges of online teaching and learning during pandemic.

The access to online classes in the rural areas was the main constraint in online teaching and learning during the pandemic. Rural areas students were not able to get the benefit from the virtual classes in the teacher education due to lack of resources available for them .they also faced difficulty in this sudden swap to online mode of learning.inadequate power supply,poor digital knowledge and lack of cyber safety awareness were major problems recognised by teacher trainees.

Conclusion

Teaching and learning is one of the areas of education which is highly affected by the Rapid growth of Technology.Online teaching brings considerable change in the spreading of knowledge to improve the quality of education received by teacher trainees and prepare teachers of global standards. In the present study the average age of teacher trainees was 22 and most of the teacher trainees perception of online teaching was positive but they feel that online classes are not easy to access, network issue always create some difficulties for teacher trainees to approach their online classes. average number of teacher trainees said that they got complete information about teaching skills, teaching learning material and practical skills with the help of online classes. Few of the teacher trainees said that they feel stress and anxiety during the online classes. Results of the study show that most of the teacher trainees have high positive perception towards online teaching learning during covid 19 pandemic. Therefore, efforts should be made to make online teaching more accessible and in such way that students don't feel stress while taking online classes. More focus should be given on online teaching facilities and especially on the online assessment tools online classes should avoid such factors which can create hindrances in online teaching learning.

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