PERCEPTION ON E-LEARNING IN THE ERA OF COVID-19 PANDEMIC: IN VIEW POINT OF TEACHERS AND STUDENTS

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ABSTRACT

Covid-19 pandemic created a knowledge blockage as all the education institutions were shutdown to stop the spread of virus. Formal learning was on stake. In meantime E-Learning broke all the barriers and emerged as a revolution in school system. This shift in learning process effected both the learner and the educator. In this paper the attitude of teachers and students towards E-Learning has been discussed. This paper throws light on some important aspects regarding E-Learning. This is a survey study on 150 participants from Chandigarh including teachers and students. The findings of the study revealed that E-Learning was positively accepted by the participants and it elevated their level of self-Efficacy. Participants chose movable devices and easy to use applications for hassle free Learning.

Keywords: Perception, Pandemic, E-Learning, Self-Efficacy.

INTRODUCTION

Covid-19 was officially declared as pandemic on March11, 2020.Preventive measures for Covid-19 put lock on the schools. This lock on schools opened various new gateways for teaching-learning process. Covid-19 pandemic made E-Learning essential worldwide. Teaching-Learning process flipped from offline mode to online mode of study. Several E-Learning. Government and Non-Government institutions launched various portals, T.V channels and Interactive web based applications to combat this deadly situation. The evaluation techniques also shifted from paper pen to digital forms and response sheets. This transition was sudden and very fast. E-Learning established a different and new relationship between student and teacher through virtual connect. Chalk and Duster are well merged with desktop, smartphone and internet and have become an essential component of teaching and learning.

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SIGNIFICANCE

This study was designed to know the view point of teachers and students towards new methodology of teaching and learning. It was done on secondary school students and their teachers of Chandigarh. This study revealed various best practices by school teachers and the support provided by the other stakeholders including parents, administration and Government.

OBJECTIVES

- To know the perception of teachers towards E-Learning.
- To know the perception of students towards E-Learning.
- To know the adopted trends of E-Learning.

METHODOLOGY

Descriptive survey method was adopted for the study. The data was collected from Studentsand teachers using a self-made questionnaire. The students and teachers were the primary source of data. The sample size was150 participants (100 students,50 teachers) from Chandigarh.

ANALYSIS

Alacrity regarding E-Learning Process

Readiness is one of the important principal for teaching learning process. The knowledgeexplosion in technical education has bought revolutionary change in information and technology. Social media and other web based portals had been used by the students and teachers for entertainment and other social activities.

The readiness of students for using these portals as means of learning is an interesting aspect for analysis. This element is reflected in the Table no-1.

Table-1 Alacrity regarding E-Learning Process

Classification	Teachers	Students	Total	Percentage
Yes	38	82	120	80
No	07	07	14	9.33
Maybe	05	11	16	10.67
Total	50	100	150	

The analysis of responses by students and teachers demonstrated that 80% of participants were ready to adopt this change occurred due to Covid-19. 9.33% among them were not ready and 10.67% did not respond it in positive or negative manner.

Enhancement of self-efficacy amalgamating with E-learning

Modern education aims at the improvement of efficacy of an individual. Any learning technique will lose its effectiveness if it does not elevate the self-efficacy level of the teacher and learner. The table no-2 shows the analysis of self-efficacy in E-Learning.

Table-2 Enhancement of self-efficacy amalgamating with E-learning

Classification	Teachers	Students	Total	Percentage
Yes	32	75	107	71.33
No	12	16	28	18.67
Maybe	06	09	15	10
Total	50	100	150	

Analysis of the responses revealed that 71.33% participants found E-Learning elevated their self-efficacy and 18.67% found that it had no effect and 10% of participants responded that it may or may not have elevated their self-efficacy.

Efficacy of E-Evaluative Tools

Evaluation is very essential for assessment of learning and assessment for learning.

E-Evaluative tools like google quiz, response sheets etc. had been widely used during the pandemic period. The table no-3 shows the usefulness and efficacy of these tests.

Table-3 Efficacy of E-Evaluative Tools

Classification	Teachers	Students	Total	Percentage
Yes	27	86	113	88.67
No	18	06	24	16
Maybe	05	08	13	8.67
Total	50	100	150	

The results indicated that 88.67% participants were satisfied with the E-Evaluation tools and 16% found it ineffective. 8.67% participants were not able to judge the efficacy of tools.

Trends in E-Learning for devices and Applications

E-Learning is wholly depended on electric devices and web based applications. In this section the various devices used by participants had been listed below.

Table-4 Hardware used for E-Learning

Hardware	Teachers	Students	Total	Percentage
Laptop	20	48	68	45.33
Television	05	08	13	8.67

Desktop	02	15	17	11.33
Smart Phone	23	29	52	34.67
Total	50	100	150	

The responses showed that 45.33% participants preferred laptops which is highest among all other hardware. The least used hardware was desktop, its percentage was 11.33% and the second preferred was smart phone with a percentage of 34.67%.

Table-5 Web Based Applications Used for E-Learning

Application	Teachers	Students	Total	Percentage
WhatsApp	17	55	72	48
Telegram	10	05	15	10
Google Classroom	04	04	08	5.33
Zoom	10	26	36	24
Any other	09	10	19	12.67
Total	50	100	150	

The responses showed that 48% participates preferred WhatsApp,10% telegram,5.33% google classroom,24% Zoom and 12.67% preferred other applications for E-Learning.

FINDINGS

The study discovered that students and teachers were enthauastic towards E-Learning.

- E-Learning elevated Self-Efficacy of participants.
- Participants found E-Evaluative techniques effective.
- Responses revealed that participants preferred portable learning devices like Laptop and Smart Phone.
- WhatsApp and Zoom were the most preferred applications for E-Learning.

CONCLUSION

E-Learning has emerged as a solution for effective teaching-learning process in a new setting far away from school system. E-Learning has set a new trend in education. It has opened the doors for possibilities of experimentation and innovation. Teachers and students both accepted the challenges and broke barriers created by pandemic. They have utilized the lockdown period by enrolling into various courses which are available online on variousweb portals. E-Learning has absolutely converted the ways and methods of educationand has made it simpler, easier, and more effective.

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