Information and Communication Technology - A Boon to Higher Education System in India

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Abstract

The present paper focuses on the technology based learning method in higher education and analyses the perception of teachers and students regarding ICT based teaching practices. The present study shows that out of 100 teachers only 28 teachers are using computers and laptops for their teaching practices and 32 teachers use PowerPoint presentation in their classroom. Most of the teachers have computer knowledge and use LCD projectors, CD, pen drive as their teaching aid. On the other side out of 150 students only 42 students use computers in their daily life and 32 students surf internet for their notes. It is found in the study that there is an urgent need to bring ICT awareness among both teachers and students. Teachers should get updated with advanced technological tools in their teaching method to attract students. Then only higher education system can be more competitive and skill oriented.

Key words: *ICT, Higher Education, LCD Projector, PPT presentation*

1. Introduction

Education plays an important place in any country. It contributes positively to the society and makes its people competitive and active and awakens them to realize their responsibilities. When advanced tools are tagged with the good education system in a country, then it undoubtedly assures the best results in the education sector. Higher Education in any country plays a crucial role. Students who come here for their education are matured and the real assets for the next generation. Upgrading and updating students in classrooms with ICT tools definitely reduces complexities and encourages students to be more alert and active in the classroom. With this background students as well as teachers are coming forward to hug variety of technological tools in their class rooms. Today with ICT tools we can get any kind of information and tip of the figure on the keyboard can shower big source of knowledge. Quality education is a powerful mantra of a day. It is believed that quality education expects updated teachers and active and dedicated students. Therefore the best combination of quality teaching and advanced technology in higher education brings positive outcome.

2. Objectives

The present study is based on the following objectives

To analyse the perception of teachers on ICT based teaching methods

To analyse the perception of students on ICT based teaching methods

3. Methodology

The present study is purely based on primary data. The stratified random sampling method has been used to select

samples. Close ended structured questionnaire method is adopted to gather information from respondents 250 questionnaires have been distributed among teachers and students of various degree colleges of Mysore district The present study is descriptive as well as analytical in its nature. Therefore, for our analysis 100 teachers and 150 students from various colleges of Mysore district have been selected. Chart, Pie diagram and simple percentage method have been used to analyse the data.

Table no-1 Teachers in the Study Area

Job Description	No of respondents	In percentage
Assistant professors	70	70
Associate professors	30	30
Total	100	100

Field survey

In the above table it is clear that 100 teachers have been chosen for the study. Out of total sample, 70 respondents are assistant professors and 30 respondents are associate professors.

Table no-2

Students in the Study Area

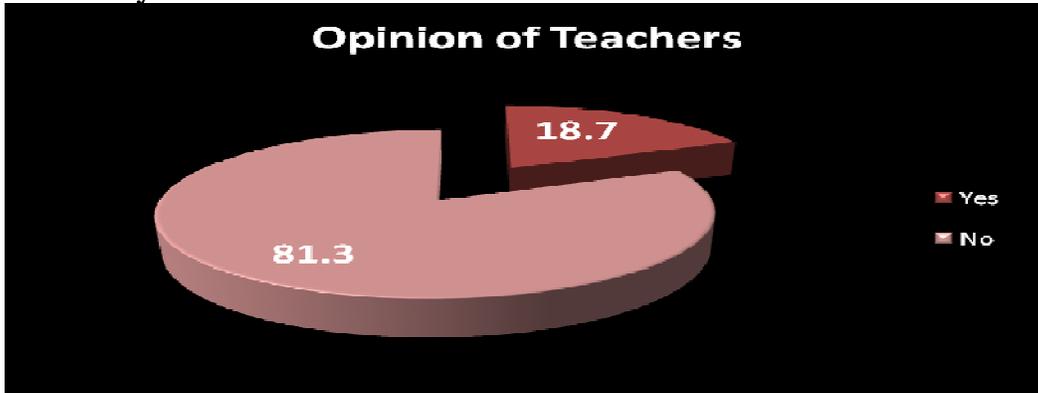| Class	No of respondents	In percentage
UG Students	80	53.3
PG Students	70	46.7
Total	150	100

Field survey

The above table shows that 53.3 percent of students are studying in UG including arts, commerce and science classes and 46.7 percent of students are studying in PG classes.

Table no-3

Do Teachers Use Computers and Laptops to Make Notes

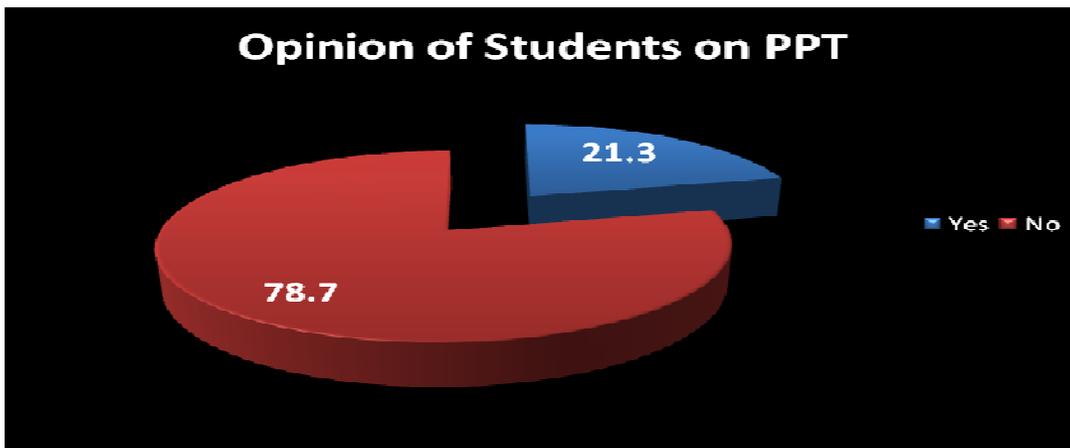| Usage of Computers and Laptops to Make Notes	No of respondents	In percentage
Yes	28	18.7
No	122	81.3
Total	150	100

FieldSurvey

In the above table it is clear that only 18.7 percent of teachers are using computers and laptops in their teaching method, but remaining 81.3 percent of teachers are still using conventional methods such as text books and old notes for their reference.

Table no-4

Do Teachers Use Power Point Presentation in the Classroom

Opinion on PPT Usage by Teachers	No of respondents	In percentage
Yes	32	21.3
No	118	78.7
Total	150	100

Field survey

In the above table it is clear that only 21.3 percent of teachers use the Power Point presentation method in their classrooms. 78.7 percent of teachers are still using conventional methods of teaching like blackboard teaching of method. Even today majority of teachers are not using updated technological tools in their classrooms.

Table no-5

Are Students Happy with Advanced Tools in the Class Room?

Satisfaction in ICT based learning	No of Students	In percentage
Yes	100	100
No	00	00
Total	100	100

Field survey

The table shows that all the students selected for the present study are happy with the advanced technological tools adopted by their teachers in the classroom. Because it is convenient and helps them to make notes. Students feel comfortable and they are attracted by these tools.

Conclusion

Information and Communication technology is the most important tool in bringing considerable changes in each and every sector of our nation. Today knowingly or unknowingly we are addicted to digital technology. People are highly attached to this digital wave. Tools of this ICT have become part and parcel of our life. The education sector is also influenced by this new trend .Universities and colleges are slowly and gradually adopting ICT strategy to bring positive results. Of course technology based learning and teaching methods are convenient for both teachers and students. The present paper focuses on the technology based learning method in higher education and analyses the perception of teachers and students regarding ICT based teaching practices. The present study shows that out of 100 teachers only 28 teachers are using computers and laptops for their teaching practices and 32 teachers use Power Point presentations in their classroom. Most of the teachers have computer knowledge and use LCD projectors, CD, pen drive as their teaching aid. On the other side out of 150 students only 42 students use computers in their daily life and 32 students surf internet for their notes.

It is found in the study that there is an urgent need to bring ICT awareness among both teachers and students. Teachers should get updated with advanced technological tools in their teaching method to attract students. Then only higher education system can be more competitive and skill oriented.

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