



## UTILIZATION OF TECHNOGADGETS AMONG PROSPECTIVE TEACHERS

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### ABSTRACT

In the present study utilization of techno gadgets among prospective teachers was investigated. Questionnaire to assess utilization of techno gadgets was developed and administered to a random sample of 300 prospective teachers. It is found that the level of utilization of techno gadgets among prospective teachers is moderate. There is significant difference between male and female prospective teachers in their utilization of techno gadgets.

### KEYWORDS

Techno gadgets, prospective teachers, utilization

### INTRODUCTION

Our world is ever changing and advancing in the realm of science and technology. Our dreams become corner stones for the future. It seems hard to escape the presence of technology. Most people will praise the many technological gadgets that they use in their everyday lives. Many of us depend on it to get us through the day, to do our job, to get around and to find certain things. Technology is evolving at a very fast rate and what most people did not even think could be real a few years ago is now becoming a reality.

In the years where modern gadgets were not invented like computers, mp3 players, iPod and cell phones, students were not engaged in activities using technologies or new gadgets. Students rely on books and visit libraries to study, read their notes and review their school lessons. They strive hard just to attain higher and better grades in their education. As years passed, industrial revolution occurred and great changes and improvements happened. One of these changes is the invention of the computer. They are lucky because they can use the computer to do their home works and projects. Students who could access internet using a computer can easily do their research work, and project.

Kay Robin et al (2011) studied gender differences in the use of Laptops in Higher Education. Females reported significantly more note taking and participation in academic Laptop based activities (on task behaviors) whereas males reported significantly more games during class (off task behaviors).

### NEED FOR THE STUDY

Gadgets and technology are boon to us, but it should be used moderately by our young generation or else the day is not far when we will only interact with each other using technology and gadgets. Techno-gadgets are a wonderful tool for students. It is an easiest strategy for the educators to complete their task also trouble-free for the students to grasp the content. Once the teacher discovers innovative ways to arouse interest and enthusiasm in the class, he/she will be able to use these ideas. A teacher should keep in mind that as time passes, the world undergoes a change, the needs of student also changes. There are number of techno-gadgets available to date. Some of the modern gadgets in educational field are Tablet (iPad), Laptop, Interactive whiteboard, Wireless presenter with laser pointer, Wireless microphone, Response pad, Document projector, GPS receiver, Weather station, Digital microscope, MP3 player and audio recorder, Videoconferencing tools, etc. The advantages of new technologies and gadgets are higher profit, fast access to information, increases communication and speed up work.

Technology has significant impact on the changing scenario of education. It is the fundamental necessity of students. If the education is provided through technology, the student can find knowledge resources in any discipline. Educators can also get and share their ideas in any part of the world through World Wide

Web, E-mail and bulletin board system. The WWW pages consist of all contents in all discipline.

Techno gadgets are wonderful tool for students and teachers. Utilizing techno gadgets is an easiest strategy for the educators to complete their task also trouble free for the students to grasp the content. Once the teacher discovers innovative ways to arouse interest and enthusiasm in the class, he/she will be able to use these ideas. A teacher should keep in mind as time passes, the world undergoes change, the needs of student also changes. Hence an attempt was made to study the utilization of techno gadgets of prospective teachers.

### STATEMENT OF THE PROBLEM

Though gadgets make our life simple and easier, overuse of those gadgets cause many problems. So utilization of Techno-Gadgets should be analyzed. At first it should be tested for prospective teachers who are going to develop the upcoming generation. Hence the present study is entitled as "Utilization of Techno-Gadgets among Prospective Teachers".

### OBJECTIVES OF THE STUDY

1. To find out the level of utilization of techno-gadgets among prospective teachers.
2. To find out the differences, if any, in the utilization of techno-gadgets among prospective teachers with respect to gender.
3. To find out the differences, if any, in the utilization of techno-gadgets among prospective teachers with respect to their subjects of study.

### HYPOTHESES OF THE STUDY

1. The utilization of techno-gadgets among prospective teachers is moderate.
2. There is no significant difference in the utilization of techno-gadgets among prospective teachers with respect to gender.
3. There is no significant difference in the utilization of techno-gadgets among prospective teachers with respect to their subjects of study.

### METHOD ADOPTED FOR THE STUDY

The method adopted in the present study is normative survey method in the view of the objectives of the study and the nature of the problem concerned.

### SAMPLE USED FOR STUDY

The sample of the present study has been selected from the prospective teachers in

Thoothukudi District, Tamil Nadu State, South India by adopting simple random sampling technique from the population. The present sample consists of 300 prospective teachers in Thoothukudi District.

**TOOLS USED FOR THE STUDY**

The investigator used a self-made questionnaire to assess the utilization of technogadgets of prospective teachers with a personal data sheet.

**QUESTIONNAIRE TO ASSESS THE UTILISATION OF TECHNOGADGETS AMONG PROSPECTIVE TEACHERS**

31 questions were used to assess the utilization of techno technogadgets among prospective teachers.

**Pilot study**

Before starting the data collection, the investigator conducted pilot study and established content validity and reliability of the tool. The test re-test method was done and the reliability of the tool is found to be 0.72.

**STATISTICAL TECHNIQUES USED**

The investigator for analyzing the data used the following major statistical techniques.

- i. Percentage Analysis
- ii. Arithmetic Mean
- iii. Standard Deviation
- iv. t test

**RESULTS AND DISCUSSION**

**PERCENTAGE ANALYSIS**

Table-1 Level of Utilization of Techno gadgets among prospective teachers with respect to gender and in total.

**Table-1 Level of Utilization of Techno gadgets among prospective teachers with respect to gender and in total.**

Variables	Category	N	Utilisation of Techno-Gadgets					
			Low		Moderate		High	
			No	%	No	%	No	%
Gender	Male	65	4	6.2	41	63.1	20	30.8
	Female	235	41	15	169	71.9	25	10.6
Subjects of Study	Arts	134	19	14.2	90	67.2	25	18.7
	Science	166	26	15.7	120	72.3	20	12
TOTAL		300	45	15.0	210	70	45	15.0

From the above table it is inferred that 63.1% of male, 71.9% female, 67.2% of arts group, 72.3% of science group and 70% of prospective teachers in total exhibited moderate level of utilization of techno gadgets. The incorporation of technical devices in educational institutions is increasing now a days. This could facilitate them to use techno-gadgets at a moderate level.

**DIFFERENTIAL ANALYSIS**

**Table-2. Differences between prospective teachers in their Utilization of Techno-Gadgets with respect to gender and subjects of study.**

Variables	Category	N	Mean	Standard Deviation	t-Value	Table Value	Remarks
Gender	Male	65	42.28	15.472	5.197	1.96	S
	Female	235	31.07	15.094			
Subjects of Study	Arts	134	35.50	17.79	1.927	1.96	NS
	Science	166	31.88	13.91			

S – Significant; NS – Non-significant.

Table – 2 revealed that there is significant difference between male and female prospective teachers in their utilization of techno-gadgets. Male prospective teachers have high utilization of techno-gadgets than female prospective teachers. This may be due to fact that male prospective teachers have get together with their friends often. So they find time to discuss about the techno-gadgets which is a prestigious thing in this fascinating world. Since they update themselves according to the emerging trend, they might have high utilization of techno-gadgets. It is also inferred from the table that there is no significant difference between arts group and science group prospective teachers in their utilization of techno gadgets.

**CONCLUSION**

Overall analysis showed that prospective teachers demonstrated moderate level of utilization of techno gadgets. We are leading our life in a digital age. Utilization of techno-gadgets plays a major role without which it is impossible to run our day to day life. The significance and necessity of utilization of techno-gadgets in education is the need of the hour. Awareness and training on appropriate utilization of techno gadgets among prospective teachers need to be given to enhance their teaching potential in this modern digital era.

**REFERENCE**

1. Gordon, David. (2000) The Digital Classroom: How Technology is changing the way we teach and learn. Cambridge: Harvard Education Letter
2. Kay, Robin.H., Lauricella and Sharon. (2011) Gender Differences in the use of Laptops in Higher Education – A formative Analysis. Journal of Educational Computing Research, Vol. 44, No.3: pp 361 – 380.
3. Mangal. S.K. (2009) Essentials Of Educational Technology, PHI Learning Pvt. Ltd
4. Naseema.C. (2004) From Black Board to the Web, New Delhi: Kanishka Publishers and Distributors.
5. Thiyagu. K. and Arul Sekar. J.M. (2007) Information and Communication Technology, Trichy: Prophet Publishers.