

USAGE OF SMARTPHONE AMONG HIGHER SECONDARY STUDENTS WITH SELECT SOME DEMOGRAPHIC VARIABLES

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Abstract: The major objective of the study was to find out the level of using smartphone among higher secondary school students. Sample of 260 higher secondary students were selected randomly from Tirunelveli district. Survey method was adopted for the study. Data were analysed by t-test. The findings of the study revealed that there is significant difference was found in the usage of smartphone among higher secondary school Students with regard to locality of school and study group.

Keywords: Smartphone usage, Higher secondary students.

1. INTRODUCTION

Smartphones plays a significant role in the 21st century. Nowadays, the electronic gadgets helps a lot in improving the study skills. Majority of the students opined that smartphone is useful for education. More than 50 percent of students use smartphone always. Today many students primarily use smartphone for texting, phones are rarely used to make phone calls. As the usage of smartphones has increased due to its functionality which helps in daily life. In 1999, the Japanese firm NTT do communications over the mobile network released the first Smart phones to achieve mass adoption with in a country. Smartphone became widespread in the late 2000 the century most of those produced from 2012 onward have – speed mobile broadband 4G LTE, motion sensors and mobile payment features .In the third quarter of 2012, one billion smart phones were in use worldwide. Global Smartphone’s sales surpassed the sales figures for feature phones in early 2013.Everyone suggested it is time for teachers to adopt ways to put students smartphones to productive classroom use after recognizing the eventuality of such bans and how educators are overlooking the computing power of these devices and though there are many schools and teachers that don’t allow classroom smartphones there are a growing number have established necessary ground rules for their use and made smartphones an integral part of their classrooms below is an introductory list of some ways these teacher are leveraging their students smartphones for good.

2. SIGNIFICANCE OF THE STUDY

The smartphone is useful for students education. It is used to find new jobs getting information about healthy condition.It develops the creativity among the students.The smartphone especially in educational use is still very nascent as it is a relatively new phenomenon. Smartphone is a which offers advanced technologies with functionality. Similar as a personal computer.While offering a standardized platform for application developers. Smartphone performs as complete operating system software secondly, there are also very advanced feautres in smartphones such as internet,instant messenger and e-mail and also built in keyboard are very typical. Because of these reasons we can say a smartphone a mininature computer with the similarities of a simple phone.With the growing speed of technological advancement,

smartphones have become the essential components of our daily performance, as we look for convenience. We also respect the devices, which can combine multiple features and which give us more mobility and entertainment. Along with many benefits, smartphones are increasing the value of the wireless technology, including the mobile phones, wireless tablets and the notebook computer.

3. OBJECTIVES OF THE STUDY

1. To find out the significance difference between the rural and urban higher secondary school students with regard to smart phone usage.
2. To find out the significance between the history and accountancy group higher secondary school students with regard to smart phone usage.

4. HYPOTHESES

H01: There is significant difference between rural and urban with regard to smartphone usage.

H02: There is significant difference between history and accountancy group with regard to smartphone usage.

5. METHOD OF THE STUDY

The investigator adopted survey method to study the usage of smartphone among higher secondary school students in Tirunelveli district. The investigator has used simple random sampling technique for collecting data.

Tool used

Usage of smartphone scale was constructed by the investigator. The data necessary for carrying out research investigation must be collected with the aid of special instruments the successful research represent on proper selection of tool. The validation tool was used for the main study to collect the necessary data. The study carried out in June 2018 in five higher secondary schools located in Tirunelveli district, Tamil Nadu.

Population and Sample

The investigator had chosen the higher secondary students in Tamil Nadu State Board as the population. The sample size for the present study comprised of 260 higher secondary students from Tirunelveli district.

Statistical techniques used

The investigator used the following statistical techniques for the study percentage analysis, and t- test.

6. DATA ANALYSIS

1. Percentage Analysis

To find out the level of usage of smartphone among higher secondary school students.

Table 1: Level of usage of smartphone among higher secondary school students

Variables	Low		Moderate		High	
	N	%	N	%	N	%
Usage of Smartphone	42	16.2	181	69.6	37	14.2

Table 1 shows 14.2% of the secondary school students high level of smartphone usage.

2. Differential Analysis

There is significant difference between rural and urban higher secondary students in their usage of smart phone

Table 2: Significant difference between rural and urban higher secondary students in their usage of smart phone

Locality of school	N	Mean	Standard deviation	t- Value	Remarks
Rural	189	60.67	12.89	4.780	S
Urban	71	67.71	9.56		

[At 5% level of significance, the table value of “t” is 1.96]

In the above table, since the t- value (= 4.780) is greater than the table value 1.96, the hypothesis is accepted at 5% level of significance. This shows that there is significant difference between rural and urban higher secondary students in their smart phone usage.

There is significant difference between history and accountancy higher secondary students in their usage of smart phone

Table 3: Significant difference between history and accountancy higher secondary students in their usage of smart phone

Study group	N	Mean	Standard Deviation	Calculated ‘t’ Value	Remarks at 5% Level
History	160	59.09	13.18	6.737	S
Accountancy	100	68.26	8.70		

[At 5% level of significance , the table value of “t” is 1.96]

In the above table, since the t -value (=6.737) is greater than the table value 1.96, the hypothesis is accepted at 5% level of significance. This shows there is significant difference between history and accountancy group higher secondary students in their smart phone usage.

7. MAJOR FINDINGS

- 14.2% that of the higher secondary school students high level of smart phone usage.
- Significant difference was found between rural and urban higher secondary school students in their usage of smartphone. The mean scores shows that, the rural students [mean=60.67] are better than the urban students [mean=67.71].
- Significant difference was found between history group and accountancy group higher secondary school students in their usage of smartphone. The mean scores shows that, the history group students [mean=59.09] are better than the accountancy group students [mean =68.26].

8. RECOMMENDATIONS

- The students must be provided technology based assignments to enhance their usage of smartphone..
- The teacher must provide situations their teachers to enhance their usage of smartphone.
- School must provide technology based extra-curricular activities to enhance their usage of smartphone.
- The smartphone usage trainings must be implemented to the higher secondary school teachers.

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