

# Statistical Analysis of Impact of Smart Phone on Student's Life

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**Abstract**—Smart phones have become a very vital part of our daily life. It is very complicated to envisage our live without a cell phone as the majority of our work is complete using smart phones. This Paper concentrates on the impact of smart phones on student's life in Jayaraj Annapackiam college for women. In fact, the Smart phone has turned from a technical tool to a social tool. This paper investigates the impact of the smart phone on student relationships, on family relationships and on the institution. Student use the smart phone in positive ways to arrange and maintain their social networks. However, there are also harmful impacts on student peer relationships. These can include isolation and cyber harassment. Demographic tools are used to gain insights into how students value various smart phone applications and tools. For this purpose a study has been conducted. The data have been analyzed and discussed.

**Keywords**—Smart Phone, Students Positive Impact, Negative Impact, Android

## I. INTRODUCTION

Overall innovation and its progressions assume a noteworthy job in every individual's life. The current fashion of the society is to adopt every change in the field of communication technology. The smart phones are boon of this century. Smart phone is measured as an significant communication tool and became the integral part of the society, it is not only a communication device but it also a essential social accessory. People are gradually more using smart phones quite than the fixed telephones. The occurrence of smart phones presents a multitude of options and challenges for today's students. Smart phones are everywhere nowadays and are being used by people for calls, , emails, SMS, browsing the internet, social networks, blogging, watching videos, reading e-Books, listening to podcasts, using applications to shop online and many more ways. Increasing rate of smart phone use around the world and advanced technological techniques used in smart phones made them more than newest wrinkle instead of need. These Smart devices are enabling a new smart phone lifestyle. No personal communication technology has influenced our lives and culture as quickly and we are just beginning to know the opportunities and challenges these devices bring. Advanced mobile phones are winding up progressively prominent particularly among under studies and they are presently observed as an entirely popular and

jazzy telephone to have. They are giving students the opportunity of new ways to learn and a more current way of learning and as a whole provide them with more time to learn

## II. POSITIVES OF SMART PHONES

### A. Communication

The absolute first positive purpose of smart phone is correspondence. With advanced mobile phones you can speak with anybody from anyplace whenever. Presently days, the advanced cells which are up and coming are little in size and light in weight which makes it exceptionally simple to convey them. Your advanced cell isn't joined with anything.

### B. Emergency Use

One of the majority common reasons for the student to have a cell phone is for use in emergencies. With the gradual disappearance of pay phones in public places, it's important for students to be able to be in contact with parents, especially as they get older and start spending more time out of the house, or when they begin driving and become smart. Cell phones allow for instant communication between parent and student, which can offer a certain amount of comfort to a worried parent. The convenience of a cell phone may also make students more likely to phone ahead if they're running late.

### C. Managing Social Life

While emergency use may have more import for parents, managing a complicated social life is likely to be the reason many students cite for defective a cell phone. Stay in touch with friends, storing phone numbers and other contact information and playing games are all make use of that fit into this group. Moreover, the student may feel as though a cell phone is a status symbol, suggesting their parent's trust and technological knowledge.

### D. More Convenience

Smart phones are definitely convenient. Since of smartphones, students never have to appear for a pay phone or shocker about the location of a friend. This everywhere communication tools allow students to reach their peers and their parents immediately. The whole thing from ordering a

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pizza to calling to ensure movie times is easier with a cell phone, as the communication device you need is exactly at your fingertips.

#### **E. Responsibility**

Another reason for a student to have a cell phone is the opportunity it presents to learn about personal responsibility. Besides caring for the phone itself, the student might be required to monitor phone use or even pay their own monthly bills. Handling a single monthly bill is a way of slowly building a student up for a future with additional personal financial responsibilities and, eventually, financial independence.

#### **F. Greater Technology Availability**

Picture-taking and Internet surfing are readily accessible on most cell phones. This aids students in gathering the information that they need for school or access their school website or email. Students gain from this technology accessible as it allows them to create more sophisticated academic products with less effort than before the equipped availability of cell phones.

#### **G. Entertainment**

Smart phones have turned into a source of unlimited entertainment. The belongings which we never thought would be present in a smart phone are now possible. Smartphones have come into survival which not only helps you in making calls but also helps you to keep on entertained by allowing you to play games, listen to music and do lots of other stuff. The Smart phone even comes with special applications for kids to increase their brainstorm which is pretty good.

#### **H. Improved Personal Security**

The parents argue that cell phones keep students secure. A parent is never more than a phone call away when a student is carrying their cell phone. The presence of a cell phone also ensures that students can call parents or emergency personnel in the case of an unforeseen emergency. While the majority of students will never have to use their cell phone as a safety device, the knowledge that it could be used as such puts parents at ease and keeps them paying the cell phone bill monthly.

#### **Beneficial in studies**

If you are using a Smartphone, you can take advantage of it in your studies or your trade. The smart phones which accompany Android, Apple products and Windows Phone working framework accompany instructive applications which help while you are in school. In the event that you are into the exchange you can introduce applications like Skype which will help you in speaking with your clients in a hurry.

### **III. NEGATIVE IMPACT OF SMART PHONES**

#### **Bad Impact on studies**

It is true that smart phones can help students in studies only if they use them practically. Most of the students

become addicted to smart phones and are found playing games, chatting with their friends and watching movies and other things. If students are busy keeping their eyes on their smart phones at all times they won't get time for studying which would lead to poor grades.

#### **B. Health issues and accidents**

Smart phones escort to a lot of accidents. A lot of people do their daily work; drive even as taking on smart phones. There is a high risk of an accident if you are talking on the smart phone and driving as you are giving your partly attention to the smart call and are having partly attention on the road. Research studies have also argued that smart phones have a harmful impact on the health of an individual. If you are using a smart phone for extensive hours daily it might lead to harsh health issues.

#### **C. More Distraction**

The biggest gripe of teachers in regards to cell phones is that they lead to student disruption and off duty behavior. Texting a friend is an alluring distraction that many students select over listening to a lecture or completing a class project. If not quieted, phones can ring amid class, depicting everybody's consideration far from the exercise and disturbing the flood of learning. Numerous instructors are worried this additional diversion adversely impacts understudies' school execution as it prevents them from devoting their complete consideration to their examinations. While useful, many of the features of cell phones can also be used to connect in inappropriate behaviors. Taking unsuitable pictures and then "a rising problem. These pictures often end up in the wrong hands, which leads to others in advance access to the private photos. Teens often fall short to recognize the long-term implication of wrong performance and engage in the behavior without considering the consequences. The consequences intended for wrong behavior are real and long-lasting. Once distributed, sexed photos are almost unfeasible to contain. The presence of this racy photo can limit the teens' options in the future and harshly spoil their reputations.

### **IV. REVIEW OF LITERATURE**

Bhatt, in his article "A study of smart Phone Usage Among the Post Graduate Students" released in Indian Journal of Marketing, April 2008 has studied smart phone usage, duration of use, necessity, the expenditure on smart phones, influencing factor for purchasing the smart phone, consciousness of medical side effects of the smart phone usage between the post graduate student on the basis of principal data; which was collected at Sardar Patel University from 700 post graduate students. The results indicate that the usage and fulfillment level of smart phone users differ from company to company.

Market Analysis and Consumer Research Organization has presented a report on, "A study of Smart Phone Usage among the Teenager and Youth in Mumbai" They have analyzed to study the behaviors of teenagers towards cellular phones and enumerate the pattern and arrive



idiosyncrasy gender wise<sup>14</sup>. Further they have focused on the way young people relate to the functionality of smart phones as well as review observable phenomena. It was analyzed that majority of respondents recognize cell phone as the technology that offers convenience and makes their life easier.

## V. OBJECTIVE OF THE STUDY

The objectives of the study are:

- To know about the usage of smart phone of the sample respondents
- To find out the spending time and amount on smart phone among the sample respondents.
- To analyse the use of various functions of smart phone.
- To analyse the amount spend on the usage of smart phone services.

## VI. SAMPLE SIZE

For this study 50 samples selected JayarajAnnapackiam College for women, Periyakulam by using convenient sampling method. Thus, the sample respondents consisted of 50 students from various departments in this college.

## VII. METHODOLOGY

This work is based on the primary data and secondary data. The primary data were collected from the sample respondents through the questionnaire. The secondary data were collected from various websites, books and journals.

## VIII. ANALYSIS AND INTERPRETATION

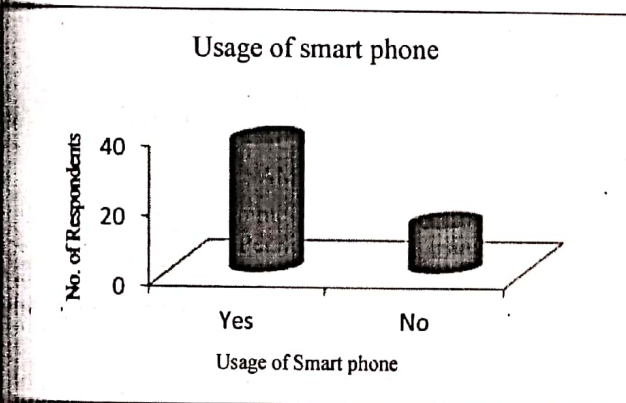


Chart: 1 Usage of Smart Phone

TABLE: 1 USAGE OF SMART PHONE

Use of Smart Phone	No of Respondents	Percentage
Yes	37	74%
No	13	26%

Table 1 shows the usage of own Smart phone of the sample respondents. This table implies that among 50

respondents 37(74%) respondents are using the Smart phone; 13(26%) respondents are not using the smart phone. Among 50 respondents many of the students are using the smart phone.

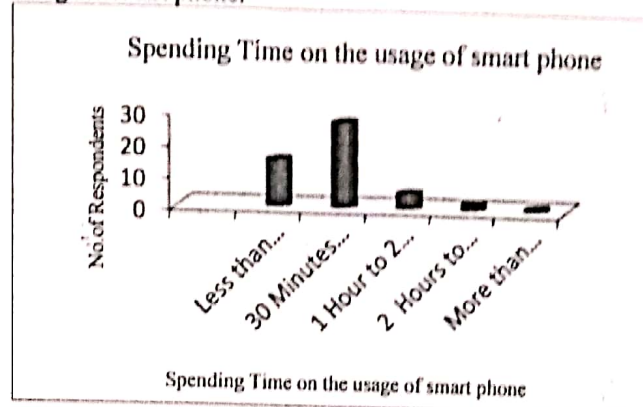


Chart: 2 Spending time on the usage of Smart Phone

TABLE: 2 SPENDING TIME ON THE USAGE OF SMART PHONE

Spending time on the usage of Smart Phone	No. of respondents	Percentage of Respondents
Less than 30 Minutes	15	30%
30 Minutes to 1 Hour	27	54%
1 Hour to 2 Hours	5	10%
2 Hours to 3 Hours	2	4%
More than 3 Hours	1	2%

Table 2 shows the average time spending on the use of smart phone per day. Among 50 respondents 15(30%) respondents are spending less than 30 minutes per day for using Smart phone; 27(54%) respondents are spending 30 minutes to 1 hour per day; 5(10%) respondents are spending 1 to 2 hours per day; 2(4%) respondents are spending 2 to 3 hours per day; 1(2%) respondents are spending more than 3 hours per day for using the smart phone. From the above it is clear that the majority of the respondents are spending 30 minutes to 1 hour for using the smart phone.

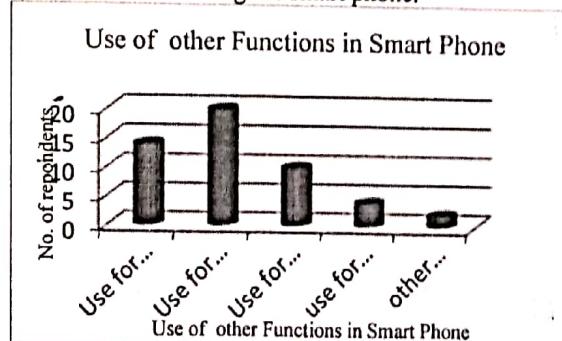


Chart: 3 Use of other Functions in Smart Phone



TABLE: 3 USE OF OTHER FUNCTIONS IN SMART PHONE

Use of other Functions in Smart Phone	No. of Respondents	Percentage of Respondents
Use for camera	14	28%
Use for whatsapp/facebook	20	40%
Use for Internet browsing	10	20%
Use for songs	4	8%
Other functions	2	4%

Table 3 shows the usage of other functions in smart phone. This table conclude that 14(28%) respondents use smart phone for camera; 20(40%) respondents are use smart phone for Whatsapp/facebook; 10(20%) respondents are use smart phone for internet browsing; 4(8%) respondents use smart phone for hearing songs; 2(4%) respondents using smart phone for other functions. Among the above all smart phones are mostly used for whatsapp/facebook.

Amount Spend for using Smart Phone services

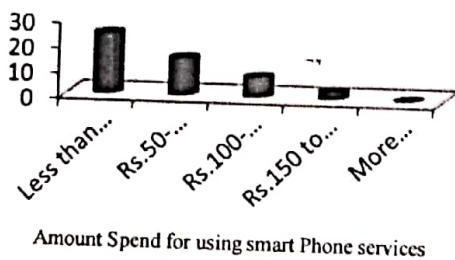


Chart: 4 Amount spend for using Smart Phone services

TABLE: 4 AMOUNT SPEND FOR USING SMART PHONE SERVICES

Amount Spend for Smart Phone Services	No. of Respondents	Percentage of Respondents
Less than Rs.50	15	30%
Rs.50-100	24	48%
Rs.100-150	8	16%
Rs.150-200	3	6%
More than 200	0	0%

influences the amount spend for the smart phone per month. From table 4 we conclude that 15(30%) respondents are spending less than Rs.50- per month; 24(48%) respondents are spending Rs.50 to 100 per month; 8(16%) respondents are spending Rs.100-150 per month; 3(6%) respondents are spending Rs.150-200 per month; 0(0%) respondents are spending more than 200 per month.

month and 3(6%) respondents are spending Rs.150-200per month for their smart phone services. From the above it is clear that the most of the respondents are spending Rs.50-Rs.100 per month for their smart phone services.

Spending a day without Smart phone

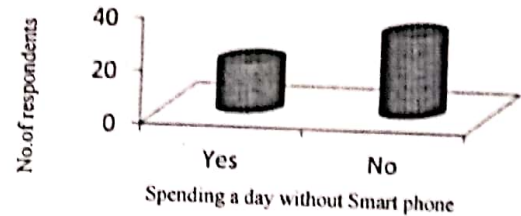


Chart: 5 Spending a day without using Smart phone

TABLE: 5 SPENDING A DAY WITHOUT USING SMART PHONE

Spending day without Smart phone	No. of Respondents	Percentage of Respondents
Yes	19	38%
No	31	62%

Table 5 depicts the Spending day without using Smart phone. Among 50 respondents 31(62%) respondents are not ready to spend their whole day without using smart phone. 19(38%) respondents are ready to spend their day without using smart phone. Among the above most of the students are not willing to spend a whole day without smart phone it shows the impact of smart phone on their life.

## IX. FINDINGS

From the survey concluded that the following finds were divided from the 50 respondents

- It is found that 27 (54%) respondents are using their own smart phone.
- It is found that 20(40%) respondents are using whatsapp/ facebook functions in smart phone.
- It is found that out of 50 respondents 27(54%) respondents are spending 30 minutes to 1 hour per day for using smart phone.
- 24(48%) respondents are spending Rs.50-Rs.100 per month for mobile phone services.

## X. CONCLUSION

Smart phones and its usage is an unavoidable part in this fast moving world of our life, since the technology is upgrading each and every day. Here we like to center of attention more on the scope on the students, by this we can know about the students move towards the smart phone and how much it influence their life and also helps to recognize in what type of function which they are actually involved. The usage of smart phone among the students has been

Increased to a great extent. Presently a-days Smart telephones are not measured as a gadget for correspondence alone but rather it is considered as a media for stimulation. The smart phone plays a vital role in media for entertainment. From this paper we came to know that most of the students to have a preference smart phone for using whatsapp/facebook and internet browsing. By the popularity of smart phones, people started to get smart phones or change them by the new one for trend. Smartphone usage is not a need actually, it has become trend for right now and students are moving from face to face communication to smart phone communication which is sad.

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