

A Study of the Mobile Phone Impact on Under Graduate Students Based on Statistical Tools

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ABSTRACT

Now a days mobile phones have become an indispensable tool as communication plays a key role in all the aspects of life. It has become an essential accessory carried by everybody not only because they make it easy to keep in touch with people but because of the various facilities they offer especially the internet. The charm of mobile phone is more among young generation and the increasing use may result in dependence. Aim was to study the usage pattern and dependence of mobile phones among college students. A cross sectional study conducted among 200 UG students and studied the pattern of usage of mobile phones, common problems encountered and its dependence using a questionnaire. Using Statistical tools we analysed the data and our study shows Samsung mobile brand is more popular among the students and they are mostly preferred the Idea' Sim card company students. The proportion of students in urban area are spend maximum time as compared to rural area for use of mobile phone, mostly students use mobile phones for calling and Internet.

KEYWORDS: Mobile phone, Facilities, Graphical Representation, Large Test, Level of Significance, ANOVA

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INTRODUCTION:

A mobile phone is a telephone that can make and receive calls over a radio frequency carrier while the user is moving within a telephone service area. Most mobile telephones services use cellular network architecture and therefore mobile telephones are often called as cellular telephones. Modern mobile phones support variety of other services such as "Text messaging, MMS, Email, Internet access, Bluetooth, Gaming Communication & Photography. Mobile phones which after these and more general computing capabilities and referred to as a "Smart phones" hence it become an indispensable tool as communication plays a key role in all the aspects of life. Today, mobile phones are equipped with features other than voice call that allow further communications and entertainments such as the Short message service (SMS), MP3 player, games, internet and videos which attracted people across all walks of life and consequently led to the increase in the number of mobile phone users across the world Sanjay D et.al.(2010) .There are about 3.3 billion mobile phone users when compared to 500 million in the year 2000. F.Samkange-Zeeb, M. Blettner(2009). Indians are increasingly using the mobile phones rather than the land line telephones and Indian market has emerged as the second-largest market for mobile phone handsets next to China. In India, use of internet is enormous, especially in the young population. Mobile Internet usage is growing at the rate of nearly 85% per annum Singh BM.(2008).

Mobile phone dependence can be considered as a new diagnostic entity as it has properties of excessive use, withdrawal, tolerance and negative repercussions Chandra G et.al (2012). Nomophobia is a term which is related to mobile phones usage Singh BM.(2008). It literally means no- mobile phobia that is the fear of being out of mobile phone contact. The person becomes anxious when there is no network or no balance or when run out of battery. Studies from United Kingdom revealed that 53% tend to be anxious and a study from Mumbai reports 58% could not manage without a mobile phone even for a day Katharine B(2008) .As mobile phone usage is increasing in our population and the younger generation is more likely to become dependent on mobile phones, we decided to conduct a study on the usage pattern and the dependence of mobile phones among our students.. In this study we have collect the primary data with a suitable questionnaire containing several attributes and these information collected from XI, XII and B.Sc., B. Com. etc. students from a rural and urban areas. And using several statistical tools and techniques we analysed the collected information we consider the demographic factors are associated with the use of cell phone, with monthly expenditure and with time spending on mobile phone. Mobile phones are used for a variety of purpose, such as keeping in touch with family members, internet, sms and study purpose etc.