www.ThePharmaJournal.com

The Pharma Innovation

Dr. Taruna
Ph.D., Department of Extension
Education and Communication
Management, College of
Community Science, Swami
Keshwanand Rajasthan
Agricultural University, Bikaner,
Rajasthan, India

A study on effective use of smartphone by college students in Bikaner district of Rajasthan

Dr. Taruna

Abstract
Smart phones have come to exemplify one of the wisest and the most appropriate technological and scientific plan in the history of mankind. These are the new generation of mobile phones; they have emerged over the last few years and already have conquered the retail market. It is a mobile phone which provide Morden technologies with functionality similar as a personal computer. The utilize of Smartphone has brought about many changes in student educational activities. Due to the increased use of personalized content, students can easily obtain their information that they require in real time. The main point of the research was to find out the advantages of Smartphone. The study conclude that the dependency on the Smartphone has been increasing day by day. It is being used for education, information, research, data sharing, entertainment, photography, e-commerce and other purpose. Student felt that Smartphone is an excellent source of information because it facilitates easier lifestyle as from morning till the night.

Keywords: Use of smartphone, college students, Rajasthan

Introduction
Since the dawn of human development the world is changing with breath taking speed. Life is not stable, change is the law of natural world and every educational organization has to keep pace with changing environment surroundings, which is beyond human power. Need for education is inevitable even if it isn't necessary under law. Technology has played a vital role in revolutionizing our world in many aspects. Latest innovation technology has been part of our life and it is one of the key ingredients for the survival of mankind to living in a fast-phase environment. In present scenario there are lot more technological goods available to entertain people: especially students are spending good fare on latest technologies. They are not just enjoying it, but also smart enough to use the advanced technology to the best of its features. For such smart workers, Cellular phone is actually be a boon, they love to own and experience its great characterstics. (Madhavaiah, 2013) [5].

Use of smartphone
The term "Smart" it is enough to make Smartphone dissimilar and extra special from other phones.
- It holds on to more memory than any other regular mobile phones.
- It runs many more utilization.
- It is easy to carry anywhere.
- It can access Internet with speed. (Edtechreview, 2013) [3]

Nowadays, Smartphone have been used to replace desktop or mobile computers. All project activities which can be accomplish on normal computers such as sharing details information, sending and for wording emails, conversation, opening and modify documents, paying for products, browsing and buy things can be done using smart phones; a small device which can be kept inside a pocket of a trouser or a shirt. Some smart phones have elightened exercise such as a camera which can work as a scanner. As smart phones provide more and more applications for an increasingly a wider range of usage circumstances, they have become an increasingly integrated part of people's everyday life. (Alfawareh and Jusoh, 2014) [1].
Smart phones were used not only as a service tool, or just to keep up with technology, but it could be used to learn and improve students' skills in English language learning if it were used correctly. (Barakati 2011) [2] Smart phones Applications in daily business in this day and age are mostly crucial, to the point of dissimilar categories of business enable a variety of require-

Corresponding Author:
Dr. Taruna
Ph.D., Department of Extension
Education and Communication
Management, College of
Community Science, Swami
Keshwanand Rajasthan
Agricultural University, Bikaner,
Rajasthan, India

ments in the way of applications such as Google apps on android are above of the rivalry when it comes to smart phone applications. This is for the reason that the android control system is an open source which has a variety of plan that any businessman can use to expand their business. Many more free applications can be initialize for the purpose of doing businesses. Smart phones such as an iPhone or a Blackberry are necessary as they can assist business to run well and more competent. At this time, Smartphone apps are main in providing information to other people mostly consumer where it can be considered as consumer or buyer information systems (CIS). (Ibrahim, 2014) [4].

Review of Literature
The advantages of Smartphone have been well described in the literature. In a paper Tomar and Kumari in 2016 concluded that 95% scholar students are using Smartphone at college level. A lot of college have been debating on the usage of smart phones in college, students use to surf the interweb, to access social community network like facebook.com and twitter.com, to stream videos on YouTube and so much more. An another study in the year 2014 conducted by Alfawareh and Jusoh and revealed that that 91.69% of students undergraduate and postgraduate have used

smart phones to login to their academic portal. Where 54.49% of the participants used Smart phones for downloading class material related data.
In an another study in the year 2014 conducted by Sinha concluded that most of the respondents communicate their views for using the Internet accessibility available to their mobile or smart phone mainly to accessing the Social Networking Sites like Facebook, Twitter, Linked In, and others social networking platform.

Materials and Methods
Methodology
Total 102 respondents (post-graduate) were selected from SKRAU, Bikaner. Data was collected from PG students of SKRAU, Bikaner through survey method using questionnaire. Statistical tools like frequency, percentage, mean were used to analyse the data.

Results and Discussion
102 questionnaires were distributed to the students and each one of them filled up the questionnaire without the help of investigator. Tables are given below related to advantage of Smartphone.

Table 1: Advantages of Smartphone related to education as Perceived by the respondents (n=102)

S. No.	Advantages	Percentage	Mean Score	Rank
	Education			
1.	Use to perform simple and complex mathematical operation	67.6	0.6765	IV
2.	Use in statistical operations	67.6	0.6765	IV
3.	Use to prepare projects /notes	81.4	0.8137	III
4.	Surfing related matter	100	1.0000	I
5.	Search meaning and definition (dictionary)	83.3	0.8333	II
6.	Email account like - Gmail, rediffmail, hotmail	66.7	0.6667	V
7.	Availability of magazines	47.1	0.4706	VI
8.	Multiple quiz Apps	41.2	0.4118	VII
9.	Mental Ability Games	66.7	0.6667	V

Table 2: Advantages of Smartphone related to information as Perceived by the respondents (n=102)

S. No.	Advantages	Percentage	Mean score	Rank
	Information			
1.	Good in handling the fake callers	91.2	0.9118	IV
2.	User can trace the caller	59.8	0.5980	X
3.	Provide necessary reminders to get things done at ease	94.1	0.9412	III
4.	Latest news updates	100	1.0000	I
5.	Local weather information	77.5	0.7745	VIII
6.	Gives direction from our starting points to our destination(Navigation)	61.8	0.6176	IX
7.	Messenger	97.1	0.9706	II
8.	Skype for video calling	83.3	0.8333	VI
9.	Text Messages	81.4	0.8137	VII
10.	Share location, photos, status, image, videos on whatsapp	100	1.0000	I
11.	A faster way to connect	83.3	0.8333	VI
12.	Easily view our message with messenger	85.3	0.8529	V
13.	Phone call	100	1.0000	I
14.	Radio	61.8	0.6176	IX

Table 3: Advantages of Smartphone related to research conducted by the respondents (n=102)

S. No.	Advantages	Percentage	Mean score	Rank
	Research			
1.	Help in presentation	93.1	0.9314	I
2.	Word documentation	50.0	0.5000	III
3.	Excel sheet	54.9	0.5490	II
4.	Matter can be search through search engine like Google chrome, Mozilla Firefox, Internet Explorer	93.1	0.9314	I

Table 4: Advantages of Smartphone related to entertainment as Perceived by the respondents (n=102)

S. No.	Entertainment Advantages	Percentage	Mean score	Rank
1.	Entertainment through audio (FM radio and walkman)	100	1.0000	I
2.	Games	76.5	0.7647	III
3.	Jokes	93.1	0.9314	II
4.	Social networking sites (Youtube, facebook, twitter and Instagram	100	1.0000	I
5.	Save memorable Audio-videos	100	1.0000	I

Table 5: Advantages of Smartphone related to recording as Perceived by the respondents (n=102)

S. No.	Recording Advantages	Percent	Mean score	Rank
1.	sound recorder can be used as a learning tool	60.8	0.6078	III
2.	It Can record voice	100	1.0000	I
3.	Apps for recording music -Karaoke	81.4	0.8137	II

Table 6: Advantages of Smartphone related to Photography as Perceived by the respondents (n=102)

S. No.	Photography Advantages	Percentage	Mean score	Rank
1.	It replace the handy camera	99.0	0.9902	II
2.	Click photos and save them	100	1.0000	I
3.	Photos can be viewed with date and exact time	75.5	0.7549	IV
4.	Increase artistic ability by taking pictures at different scenarios through Instagram	60.8	0.6078	V
5.	Pictures can be easily edited	98.0	0.9804	III

Table 7: Advantages of Smartphone related to data sharing as Perceived by the respondents (n=102)

S. No.	Data Sharing Advantages	Percentage	Mean score	Rank
1.	By the help of 'SHARE it' app files can be shared	90.2	0.9020	I
2.	Through 'Xender' app file share is faster	68.6	0.6863	II
3.	ES file Explorer can be an easier way to connect	48.0	0.4804	III

Table 8: Advantages of Smartphone related to e-commerce as Perceived by the respondents (n=102)

S. No.	E-commerce Advantages	Percentage	Mean score	Rank
1.	Save energy and time regarding shopping apps	97.1	0.9706	I
2.	Various apps provide CODE options for orders	68.6	0.6863	V
3.	Ticket purchasing like railway, movie and bus tickets	77.5	0.7745	II
4.	Buying – selling	73.5	0.7353	III
5.`	Buying insurance policy (medical health policy, vehicle insurance)	69.6	0.6961	IV
6.	Money transfer	97.1	0.9706	I
7.	Payments of utility bills like –electricity bills, telephone bills	77.5	0.7745	II

Table 9: Advantages of smartphone related to other purpose as Perceived by the respondents (n=102)

S. No.	Other Purposes Advantages	Percentage	Mean score	Rank
1.	Perfect utilization of internal space	100	1.0000	I
2.	Bluetooth availability from very primitive versions of Android	100	1.0000	I
3.	Larger store of available apps	100	1.0000	I
4.	Various updated Android versions help to make it more user friendly	46.1	0.4608	II

Table 1-9 shows that Most of the student gave highest rating to the advantages of "Surfing related matter"," Latest news updates", *"*Share location, photos, status, image, videos on whatsapp","Matter can be search through web directory like Google chrome, Mozilla Firefox, Internet Explorer", "Help in presentation", "Entertainment through audio(FM radio and walkman)"," Social networking sites (Youtube, facebook, twitter and Instagram)", "Save memorable audio - videos", "It Can record voice", "Click photos and save them", "By the help of 'SHARE it' app files can be shared", "Save energy and time regarding shopping apps", "Money transfer ", "Perfect utilization of internal space"," Bluetooth availability from very primitive versions of Android" and "Larger store of available apps".

least rating was given to "Multiple quiz Apps"," user can trace the caller", "Word documentation", "Games", "sound recorder can be used as a learning tool", "Increase artistic ability by taking pictures at different scenarios through Instagram", "ES file Explorer can be an easier way to connect", "Various apps provide CODE options for orders "and "Various updated Android versions help to make it more user friendly".

Conclusion
The main focus of the research was to find out the advantages regarding Smartphone. The study conclude that the

dependency on the Smartphone has been increasing day by day. It is being used for education, communication, research, data sharing, entertainment, photography etc. Student felt that Smartphone is an excellent source of information because it facilitates easier lifestyle as from morning till the night. Every other task is dependent on Smart phones like setting alarms, entertainment source, work schedules, news, calculation etc. so that students are using Smartphone more than any other information source. Due to very new features in smart phones such as internet, instant messenger and e-mail it can be can be called a miniature computer that's called electronic computer. Scholar in future can exert more power in a way that they could not have envisage before using Smartphone. Smartphone are becoming increasingly popular especially among students.

References

1. Alfawareh HM, Jusoh S. Smartphones usage among university students: najran university case. International Journal of Academic Research. Saudi Arbia. 2014;6(2):321-326.
2. Barakati, Dijey Pratiwi. Journal: Dampak Penggunaan Smartphone dalam Pembelajaran Bahasa Inggris (Persepsi Mahasiswa). Manado: Fakultas Sastra Universitas Sam Ratulangi; c2011.
3. Edtechreview. How college student use Smartphone; c2013. edtechreview.in
4. Ibrahim J, Ros RC, Sulaiman NF, Nordin RC, Yuan LZ. Positive Impact of Smartphone Application: Whatsapp & Face book for Online Business. International Journal of Scientific and Research Publications. Malaysia. 2014;4(12):1-4.
5. Madhavaiah G, Nagaraju Ch, Peter S. Importance of Technology in Teaching and Learning English Language. International Journal of Scientific Research and Reviews. Nellore, Andhra Pradesh. 2013;2(3):146-154.
6. Sinha MK. Use of Social Networking Sites by Post-Graduate Students of Assam University, Silchar. Social Science Research Network; c2013.
7. Tomar R, Kumari. Creativity of college students in the era of Smartphone golden research thoughts, International Recognition Multidisciplinary Research Journal. IIS University, Jaipur. 2016;5(7):1-10.