

# An Empirical Study on Android Phone as a Good Companion during Pandemic

Dr. Y. Jahangir

Associate Professor, Dept. of Business Management, Osmania University, Hyderabad- INDIA

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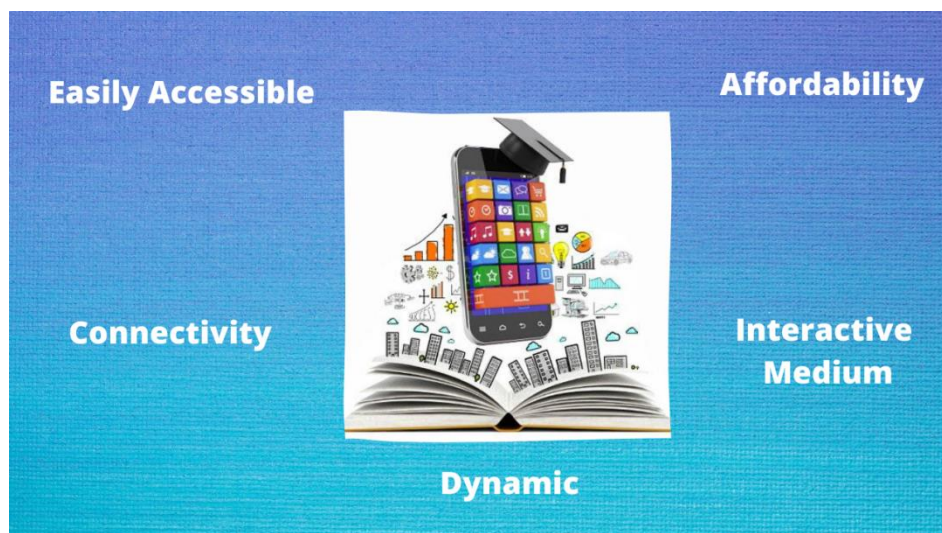
## Abstract

The use of smartphone is gradually becoming a compelling learning tool used to enhance teaching and learning in modern pandemic education system. Its usage ensures flexible course delivery, makes it possible for learners to access online learning platforms, access course resources and interact digitally. The purpose of this study was to examine the use and effects of the Android phone as a learning tool in online education among Post graduate students Hyderabad. The survey research design and questionnaires were employed for the study. The major objectives of the study were: to find out the students' perceived ease of use of a Android phone in learning activities, to determine the perceived usefulness of Android phone in students' academic achievement, to investigate the effect of the use of the Android phone in students' learning activities, and to investigate the factors that inhibit the use of a Smartphone as a learning tool. The findings revealed that the use of Android phone performed remarkable roles among the distance learning students of Hyderabad in their academic activities.

**Keywords:** Communication, Facility, Remot Access, Compatible

## Introduction

The social life of mankind changed a lot, the technological refurbishment in telecommunication brought drastic change in personal communication, evolution of mobile phone technology rapidly transformed from voice call to video gaming, in the early day of mobile was a wonderful electronic gadget connecting distant people, introduction of android mobile opened a new platform of entertainment video gaming right from temple run to candy crush, the latest androids upgraded to HD video clarity, the apps like tiktak, moj so and so, helped to manipulate things on video such that true and live feeling. become a commodity. The communication technology bought several changes in human social and economic life, communication is a process of exchange of ideas and feelings, among human beings where grief, sorrow and joy also shared to strengthen each other participant, more particularly mobile communication had profound impact on human life, first generation mobiles thrilled the users with its wireless appearance, second generation bought text and image transportation, third generation cull down to colorful imaging, latest fourth generation video gaming, graphics and short videos and so on enabled the users to engage their leisure time, more particularly android mobile phone changed the entire communication culture of human beings, the outbreak of Covid-19, at a later stage Covid-19 transformed into a pandemic, created a fuss and fear existing medical infrastructure was not able to sustain the Covid-19 effect, the country suffered a lot by this navel Corona Virus, to contain the spread of disease, state authorities opted for Lockdown thus requested its citizens to remain at home, during this lockdown the citizens spent their free time over mobile by using various mobile application, teenagers spent their time by spending on video games, youngsters used apps, married couples YouTube videos, old age people spent on old movies and serials like Ramayana was re-telecasted, like majority people expressed opined that the pandemic induced them to become addict to android mobile for various purposes so an attempt is made in this study to bring the true feelings and perception about android mobile phone which is a far beyond the communication medium.



## Literature Review

Alan Peslak, Li-Jen Shanon, Sam et.,al wrote in their article that In a few short years, a variety of new wireless communication devices have profoundly changed how and why we communicate. Understanding the uses and motivators and characteristics associated with these new forms of communications is important for practitioners and researchers as they increasingly adopt these technologies. This study was to review activities and variables associated with cell phone and smartphone usage among a sample of US college students. The study is an attempt to provide general information on the use of mobile devices today as well as some of the motivators behind use and satisfaction. Specifically, we examine demographic and device differences with regard to a wide range of mobile phone uses as well as influences on satisfaction with mobile devices and uses.

Subramani, AasseerThamby, Stepheniet.,al opined in their Article “Smart phone Usage and Increased Risk of Mobile Addiction” in the study it is noticed that all the respondents aware of mobile phone Hazrds, they felt hand pain , wrist pain and physiological and psychological changes and further it may lead to severe health issues.

Dr. AlpanaVaidya, VinayakPathk and Ajay Vaidya, symbiosis University Pune, Expressed in their Article “Mobile Usage among Youth” It is observed that the respondents of the study are between 15 to 25 age group, they become addict to mobile phone, to overcome the loneliness, the over usage of mobile leading to some physical illnesses and reducing face to face communication and so on.

## Research Methodology

The idea of conducting this kind of study sprouted from a long and wide observation of 2020 Lockdown span over 56 days and recent mini lockdowns also pressedme to take up this research, the target respondents are identified and administered a structured questionnaire by using snow ball sampling method, all the target respondents are served with online questionnaire that is Google forms, the forms were send to 100 target respondents but 50 respondents replied to the request, so the sample size is 50 respondents, they are drawn from different age groups. The limitation of the study is the lower sample size, the outcomes may not be generalized due to insufficient responses, and however the study show cages the broad picture of people time spent during the current pandemic and also may high light ill effects of over use of android mobile phone.

### Objective of the study

1. To study the time utilization of select individuals during pandemic
2. To assess the behavioural pattern
3. To understand pandemic driven changes in time and activity
4. To know the role of android mobile phone in completing a day

### Hypothesis

1. There is relationship between people income and possession of android mobile phone.
2. There is no impact of android phone on the normal day transactions of people.
3. The spending of day was independent of android mobile phone.

### Sample:

A sample of 50 Post Graduate students who are Android Phone in Hyderabad opinion was considered for the study.

### Data Analysis:

The data collected from 50 respondents, it is processed in the light of research objectives, the responses were tabulated and cross tabulated, the inferences are presented below.

Table 1: Age of respondents

Age	No. of respondents	Percentage
18-24	20	40%
25-30	6	12%
31-35	8	16%
36-40	5	10%
Above 40	11	22%
	50	100%

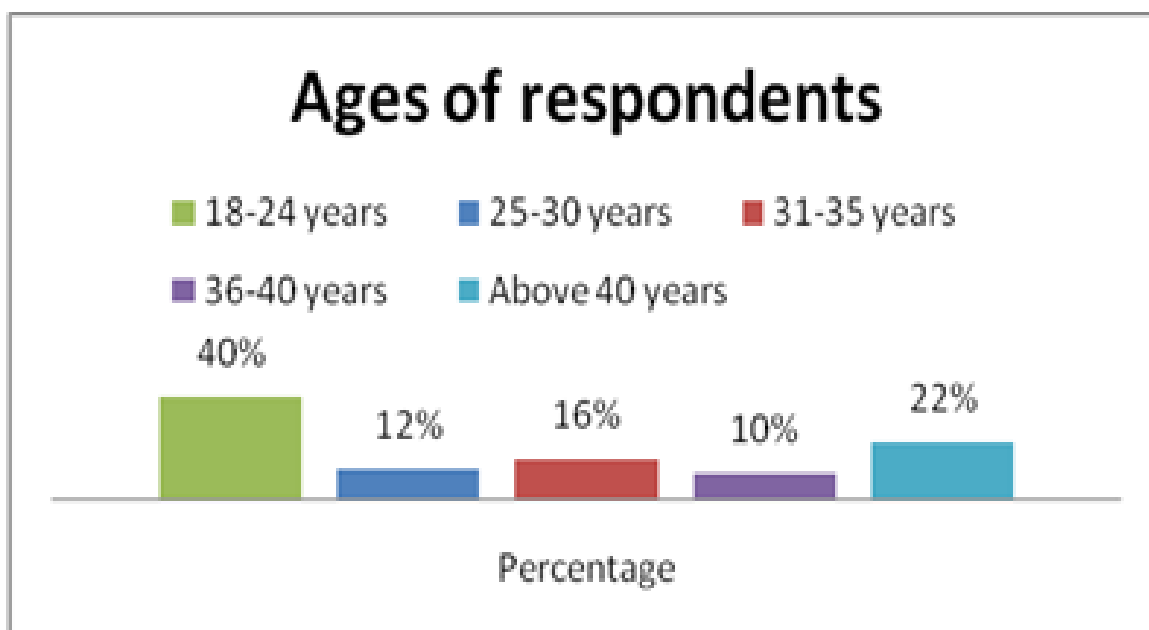


Table 2: 2.Educational Qualification of respondents

Educational Qualification	No.of respondents	Percentage
Degree	13	26%
PG	21	42%
M.phil/Ph.D	16	32%
Total	50	100%

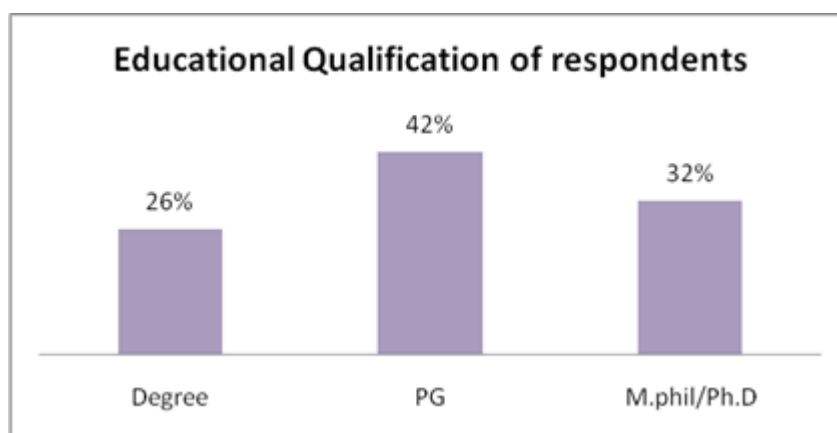


Table 3: Respondents Profession

	No. of Respondents	Percentage
Assistant Professor	13	26%
Teacher	7	14%
Govt. Employee	1	2%
Student	24	48%
other	5	10%
Total	50	100%

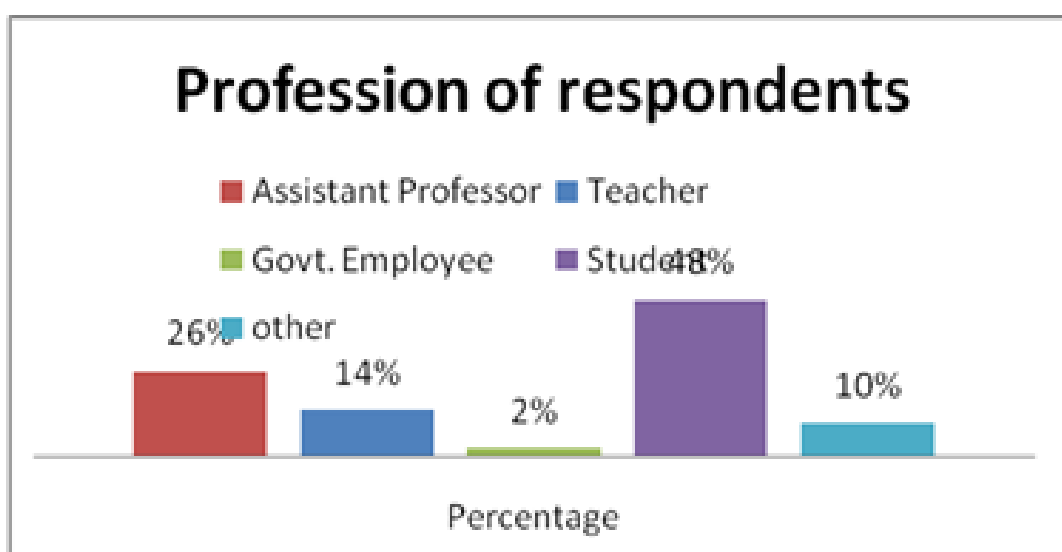


Table 4: Usage of mobile other than mobile calls

	No. of respondents	Percentage
WhatsApp	41	22%
E-mail	35	19%
Conference calls	23	13%
Facebook	15	8%
Google search	30	16%
YouTube	29	16%
Other	10	5%
Total	183	100%

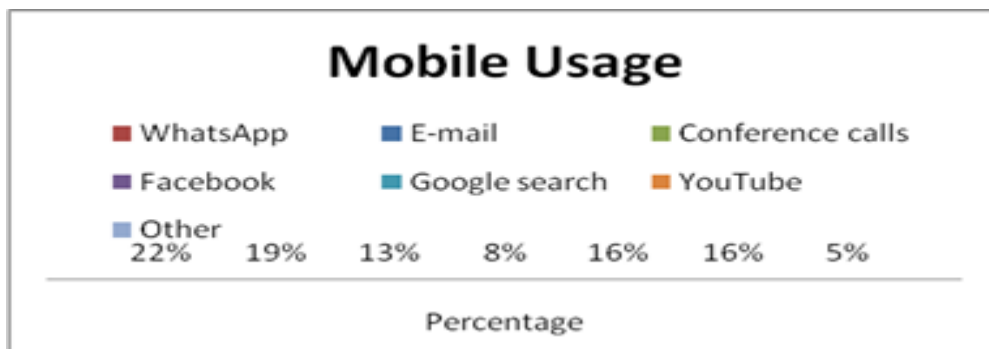
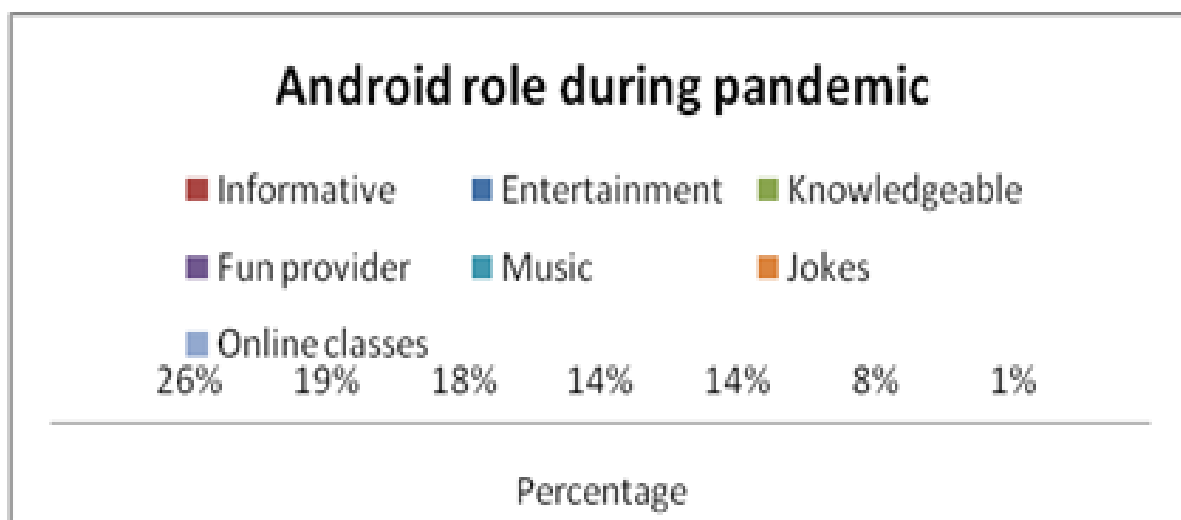


Table 5: .Android role during pandemic

	No. of respondents	Percentage
Informative	41	26%
Entertainment	29	19%
Knowledgeable	28	18%
Fun provider	22	14%
Music	21	14%
Jokes	12	8%
Online classes	2	1%
Total	155	100%



### Hypothesis Testing

H0: There is no significance of difference in mobile addiction between male and female

H1: There is significance of difference in mobile addiction between male and female

### Chi Square Test

Significance	D O F	C V	P-V
0.05	4	9.49	0.093953

Calculated Value 7.94 < 9.49 Table value

Table 6: . Cross tabulation of gender to Android is a good comforter during this pandemic

	Male	Female	
Strongly agree	10	5	15
Agree	14	11	25
Neutral	4	5	9
Disagree	1	0	1
Strongly disagree	0	0	0
	29	21	50

H0: There is no significance of difference on android as good comforter during pandemic between male and female

H1: There is significance of difference on android as good comforter during pandemic between male and female

### Chi Square Test

Significance	D O F	C V	P-V
0.05	4	9.49	0.59202

Calculated Value 1.91 < 9.49 Table value

Table 7: .Cross tabulation between education and android mobile addiction

	Degree	PG	M.Phil/ Ph.D	Total
Strongly agree	5	8	4	17
Agree	7	9	7	23
Neutral	0	4	4	8
Disagree	1	0	0	1
Strongly disagree	0	0	1	1
	13	21	16	50
Significance	D O F	C V	P-V	
0.05	8	15.50	0.36114	

Calculated Value 8.78 < 15.50 Table value

Table 8: .Cross tabulation of education to Android is a good comforter during this pandemic

	Degree	PG	M.Phil/ Ph.D	Total
Strongly agree	3	5	7	15
Agree	7	10	8	25

Neutral	2	6	1	9
Disagree	1	0	0	1
Strongly disagree	0	0	0	0
	13	21	16	50

	Degree	PG	M.Phil/ Ph.D	Total
Strongly agree	3.9	6.3	4.8	15
Agree	6.5	10.5	8	25
Neutral	2.34	3.78	2.88	9
Disagree	0.26	0.42	0.32	1
Strongly disagree	0	0	0	0
Total	13	21	16	50

Significance	D O F	C V	P-V
0.05	8	15.50731	0.323339

Calculated Value 6.97 < 15.50 Table value

### Findings of the Study:

- It is found that both respondents responded equally to the questionnaire.
- It is also evident that all respondents are educated knows handling of android phone.
- The sample is portraying the mixer of employees and graduates.
- The possession of mobile is irrespective of income.
- It is also observed that almost all respondents are using android phones.
- Majority of respondents said that they are using mobile beyond communication purpose.
- Majority customers are using mobile data for E- mailing and What app messages.
- When the target respondents are asked to describe usage of android mobile phone during the pandemic, they said it was a great help.
- The lockdown barred the movement, so android provided lot of information about pandemic and provided entertainment content.
- Most of the respondents agreed that android was great companion during strict lockdown of first phase.
- Both men and women equally accepted the positive role of android phone during the pandemic.
- It is also observed that many respondents are expressed about positive role of mobile phone during pandemic.

### Conclusion:

It is observed that the respondents are from different age and income groups, expressed the same opinion on usage of android mobile phone, Covid-19 effect on normal course of life was adverse but during the lockdown period, mobile phone comforted and provided lot of information, entertainment and games and so on. Thus , this short study reveals the fact and a generally accepted point that android phone was a good companion during the lockdown period. The proliferation of the Internet and Information Communication Technology has affected almost every facet of teaching and learning, especially in online education where

course is being delivered either by blended mode of teaching or fully online. With reference to the findings of this study, it was revealed that the android learning students of the Hyderabad find it easy to use a Smartphone in their academic activities which enhance their perceived usefulness of using a smartphone for learning activities.

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