



STUDY TO ASSESS FACTORS AFFECTING MOBILE PHONE USAGE AND ITS EFFECT ON ACADEMIC PERFORMANCE

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TECHNOLOGY IS A USEFUL SERVANT BUT A DANGEROUS MASTER

CHRISTIAN LOUS LANGE

ABSTRACT- Rapid expansion and proliferation of the mobile phone has provided better opportunities for communication, information and social interaction. The excessive undisciplined use by individuals has led to the emergence of the concept of mobile phone dependency. Psychological and environmental factors in the lives of college students may leave them disproportionately vulnerable to the mobile dependence.

The present descriptive study was conducted to ascertain the mobile phone usage and its effect on Academic Performance among nursing students studying in B.Sc Nursing 2nd year course in Narayan Swami College Of Nursing Premnager, Dehradun, Uttarakhand (India). A total of 30 students using mobile phone for at least last two years were selected by purposive sampling. A mobile dependency tool consisting of 20 items was taken. Study revealed that out of all maximum (66.6%) students were declined in Academic Performance due to usage of mobile phone.

Key words: Mobile Usage, Academic Performance

INTRODUCTION

Technology, especially mobile technology, has dramatically invaded the lives of people in the subcultures among the young generation in many countries (Aoki & Downes, 2003). Coghill (2001) refers to the mobile phone as the most radiative domestic appliance ever invented. It has become ubiquitous, invading our classrooms, bedrooms and other places of social interaction. Its role has evolved in the past decade from an instrument for communication to a luxury and has recently morphed “into an appendage”. (Forgays et.al 2014)

Smart-phones with their internet capabilities make frequent communication between people. even easier, since these devices combine a mobile phone with the communication potential of the internet (Alderson, 2012). They have capabilities to run software that enable people to listen to music, play games and provide them with at least three possibilities to communicate with others; texting, social networking and websites. These communication techniques bring people much closer to each other. (Zhang, 2012)

OBJECTIVES

1. To assess the factors affecting mobile usage among nursing students.
2. To assess the academic performance of nursing students using mobile phone.
3. To find the association between demographic variables and academic performance.

ASSUMPTION

Mobile usage has some effect on the academic performance of nursing students.

RESEARCH METHODOLOGY

Part I- Demographic Data-This part consists of -: Age, Gender, Education qualification, occupation, marital status, monthly income, number of siblings, and area of residence.

Part II- Response Sheets- This part consists of statements for assessing the factors affecting mobile phone usage.

Data Collection Procedure- The data collection procedure of the study was conducted in the 2 nd week of January 2018. Investigators had spent approximately 10- 15 minutes with each subject.

Ethical consideration- Prior to the data collection the investigators had taken written permission from Principal, Narayan Swami College of Nursing. Verbal consent was taken from the participants before data collection and confidentiality was ensured under all circumstances.

ANALYSIS AND INTERPRETATION

This chapter deals with analysis and interpretation of the data collected from 30 nursing students regarding the factors affecting mobile phone usage and its effects on academic performance.

Table – 1

Frequency and percentage distribution of demographic data of nursing students

N= 30

VARIABLE	FREQUENCY	PERCENTAGE
1. Age		
• 17- 19	20	66.6%
• 20-22	10	33.3%
• >23	0	0%
2. Gender		
• Male	4	13.3%
• Female	26	86.6%
3. Marital status		
• Married	0	0%
• Unmarried	30	100%
4. Present educational status		
• GNM 2 nd year	0	0%
• GNM 3 rd year	0	0%
• B.Sc (N) 2 nd year	30	100%
• B.Sc (N) 3 rd year	0	0%
5. Qualification of mother		
• High school	16	53.3%
• Intermediate	8	26.6%
• Graduate	4	13.3%
• Post graduate	2	6.6%
6. Occupation of mother		
• Home maker	24	80%
• Government employee	3	10%
• Private employee	1	3.3%
• Self employee	2	6.6%
7. Qualification of Father		
• High school	8	26.6%
• Intermediate	8	26.6%
• Graduate	6	20%
• Post graduate	8	26.6%
8. Occupation of Father		
• Government employee	13	43.3%
• Private employee	7	23.3%
• Self employed	10	33.3%
9. Monthly household income		
• Rs-5000/- 10,000/-	4	13.3%
• Rs-10,001/- 15,000/-	8	26.6%
• Rs- 15,001/- 20,000/-	7	23.3%
• >20,000/-	11	36.6%
10. Number of siblings		
• 1	4	13.3%
• 2	8	26.6%
• 3	10	33.3%
• >4	8	26.6%

11. Area of residence		
• Urban	16	53.3%
• Rural	14	46.6%
12. Do you own a vehicle		
• Yes	15	50%
• No	15	50%

Table 2 The factors affecting mobile usage among nursing students

Factor affecting mobile usage-		
Response		Percentage (%)
1. Service provider		
• Airtel		47%
2. Average expenditure		
• <500Rs		70%
3. Purchaser of mobile		
• Father		83%
4. Reason as convenient		
• It gives the convenience of calling any time		43%
5. Use of mobile phone for		
• Calling at home		70%
6. Common place to use mobile phone		
• Home		83%
7. While talking over the phone		
• All of the above		50%
8. Time spent on mobile phone		
• 1 to 3 hours		80%
9. Favourite features in mobile		
• Internet browsing as favourite feature		63%
10. Primary purpose for using internet		
• Using online application as primary purpose		47%
11. Benefits of using internet		
• I can searching information as one of the benefit		87%
12. Frequency of calls		
• Multiple frequency of calls		40%
13. Communities subscribed on social networking		
• Information		57%
14. Limitation of mobile phone		
• Limited use as only limitation		90%
15. Information stored in your mobile phone		
• Secured		80%
16. Number of SMS sent per day		
• 0 -10		47%
17. Mobile data consumed		
• 1Gb usage of mobile data		50%

18. Frequency of checking mobile phone	
• Checking mobile every hourly	33%
19. While sleeping you kept your phone	
• Mobile placed near pillow	50%

Table- 3 The Academic Performance of Nursing students using mobile phone

Code No.	12th	B.sc Nursing 1 st year
1	70%	65%
2	62%	58.5%
3	67%	59.4%
4	69%	62%
5	67%	64%
6	50%	61%
7	70%	67%
8	60%	62%
9	50%	54%
10	89%	71%
11	60%	59%
12	60%	59%
13	62%	62%
14	71%	69%
15	52%	68%
16	61%	60%
17	60%	62%
18	71%	68%
19	70%	68%
20	80%	69%
21	72%	68%
22	59.9%	58%
23	69%	65%
24	67%	60%
25	73%	70%
26	70%	65%
27	78%	68%
28	70%	67%
29	60%	58%
30	62%	68%

Table 4 (a)

Association between Academic Performance with age of Nursing students (in year)

N= 30

Demographic variable	Academic performance	
	Increase percentage	Decrease percentage
Age (in year)		
17- 19	-	66.6%
20- 22	6.6%	26.6%
> 23	-	-

Table 4 (b)

Association between Academic Performance with gender of Nursing Students

Demographic variable	Academic performance	
	Increase percentage	Decrease percentage
Gender		
Male	-	13%
Female	13.3%	73.3%

Table 4 (c)

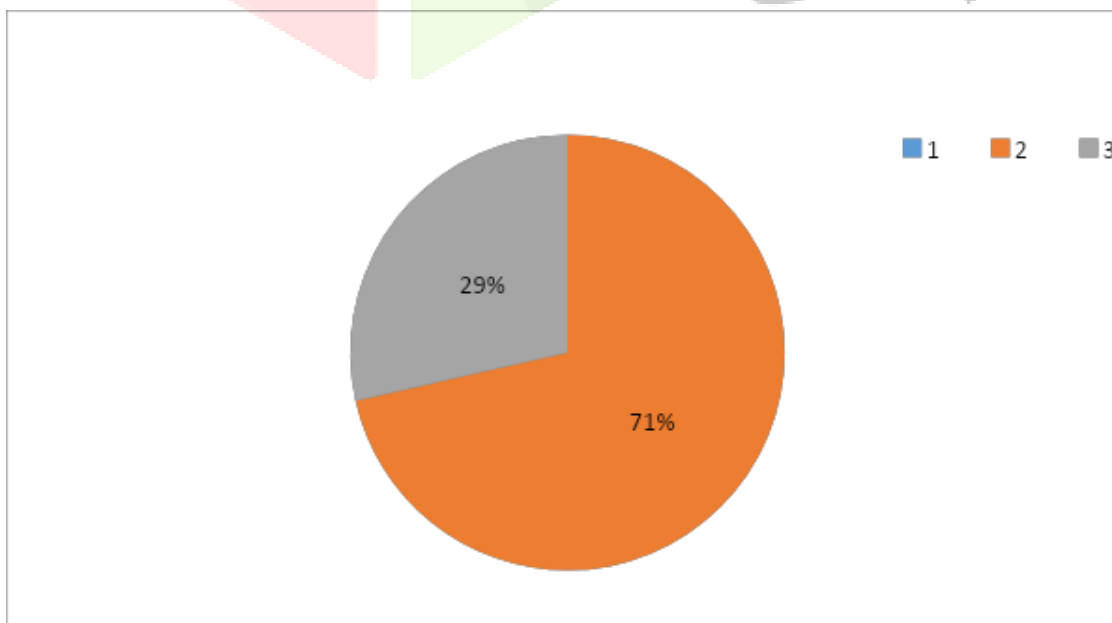
Association between Academic Performance with occupation of mother of Nursing Students

Demographic variable	Academic performance	
	Increase percentage	Decrease percentage
Occupation of mother		
Home maker	6.6%	73.3%
Government employee	-	10%
Private employee	3.3%	-
Self employee	6.6%	-

Table 4 (d)

Association between Academic Performance with occupation of father of Nursing Students

Demographic variable	Academic performance	
	Increase percentage	Decrease percentage
Occupation of father		
Government employee	10%	33.3%
Private employee	3.33%	20%
Self employee	10%	23.3%

**Fig. 1 Association between Academic Performance with age of Nursing students (in year)**

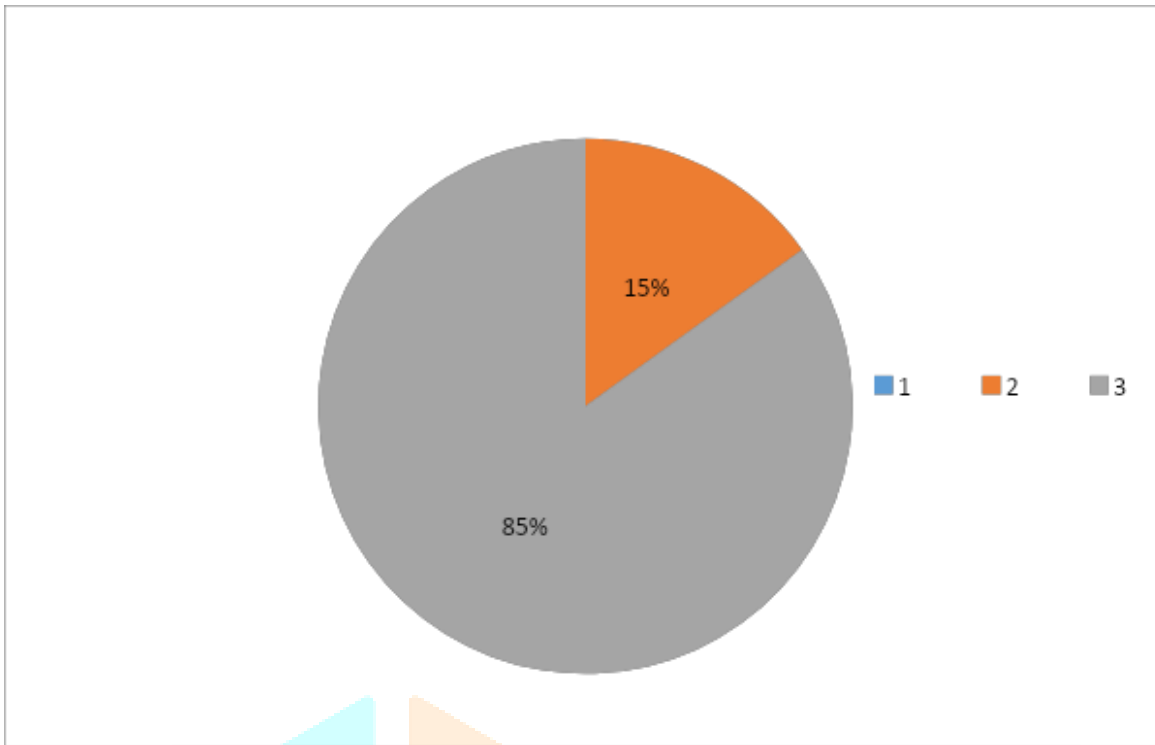


Fig. 2 Association between Academic Performance with gender of Nursing Students

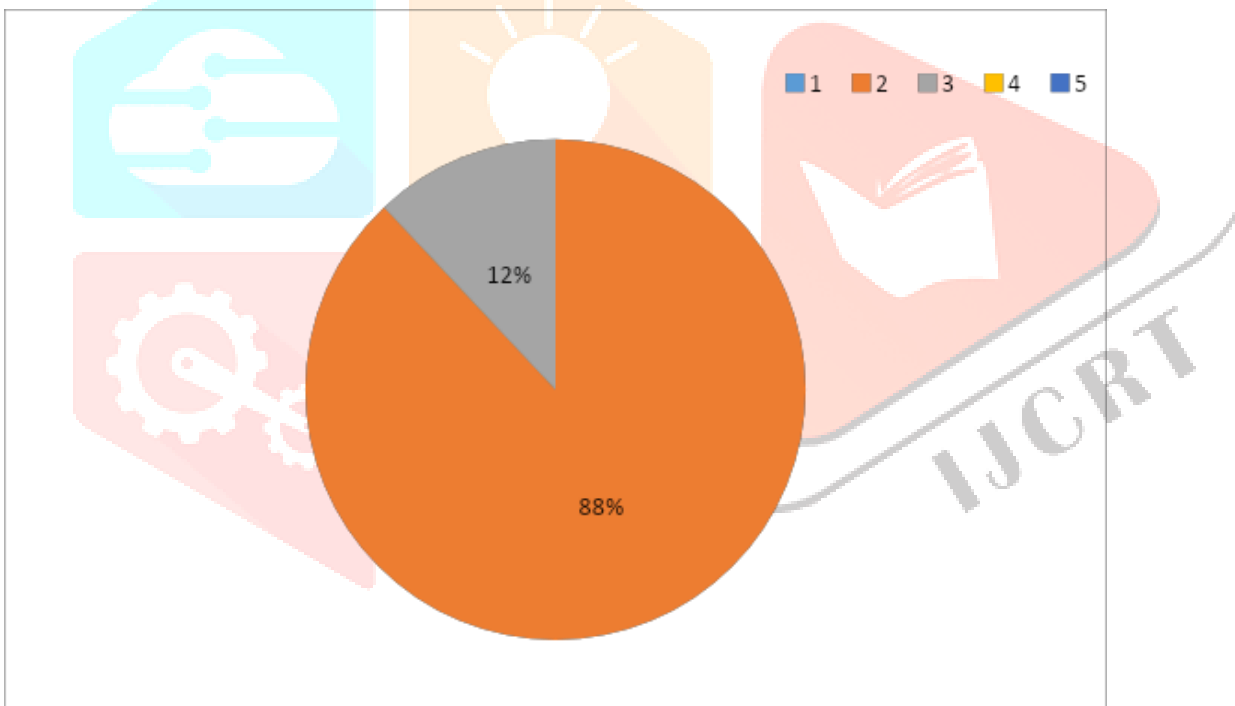


Fig. 3 Association between Academic Performance with occupation of mother of Nursing Students

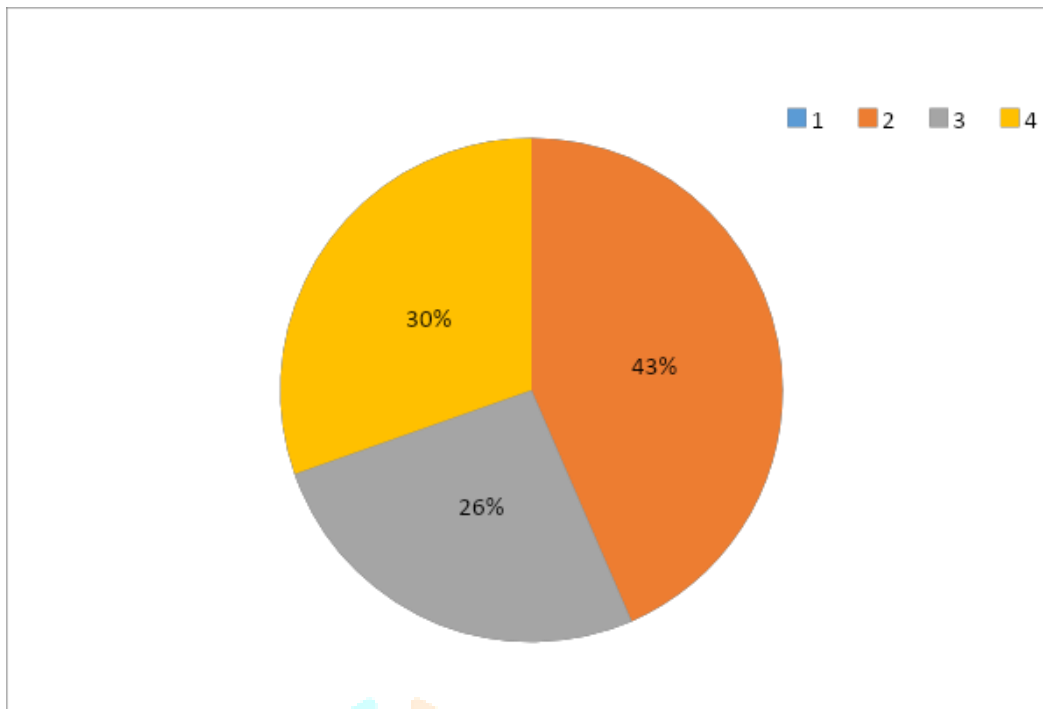


Fig. 4 Association between Academic Performance with occupation of father of Nursing Students

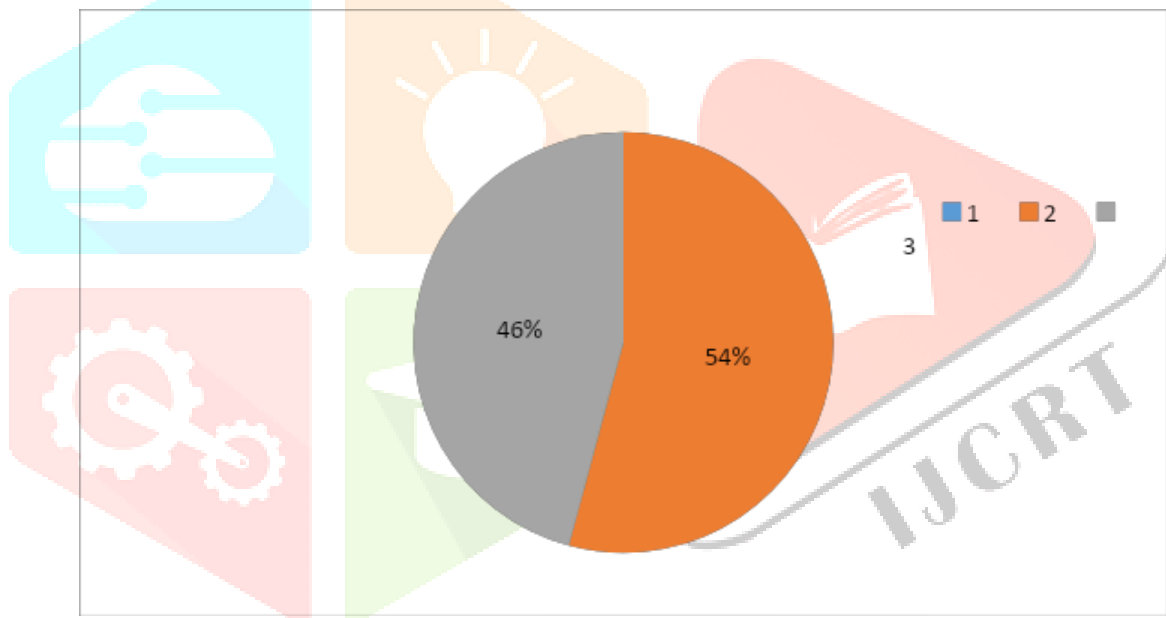


Fig. 5 Association between Academic Performance with area of residence of Nursing Students

CONCLUSION

The study findings revealed that mobile phone usage among the nursing students affect their academic performance.

RECOMMENDATIONS

Based on the result of the study following recommendations were made:-

1. The study can be replicated on a large sample to validate and generalize its finding.
2. Similar study can be conducted in a different settings like at State level and National level.

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