Impact of Smartphone on Academic Performance by College Teachers in Gadag City

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Abstract
In recent years, smartphone used by teachers of higher education has been a global trend. It is more than an integral part of daily lives and has become the most popular form of electronic communication by college teachers. In fact, the Smartphone has been turned from a technological tool to a social tool. Smartphone play a very significant role in higher education seeking behavior in meeting their academic work and research needs. This paper explores the impact of Smartphone on academic performance of teachers. The study revealed that awareness about the usage of smartphones by teachers for their academic works. Results show that smartphones have tremendous impact on their higher education system. The college teachers have used internet access and high speed browsing as it saves time and money, rather than going to cyber Centre/college library. The main aim of this study is to finding out the relationship between smartphone usage and academic performance by college teachers. The study involved data collation based on description of the phone usage habit such as browsing frequency, information sourced, sites visited, and examining the effect of smartphones on college teachers academic related activities. The hours spent on the smartphones by college teachers focusing on academic purpose and research perspectives respectively.
Keywords: Smartphone, academic performance, college teachers, higher education

Introduction

In recent trends the mobile phone used is an integral part of everyday life by college teachers, a smart phone is capability to operate advanced applications and browse the internet it allows college teachers to install and run applications very easily. Now a day's college teacher's point of view downloading & reading online materials in various MS office formats, videos live streaming from worldwide through google & various sites freely available to college teachers such as NPTEL, SWAYAM, NPEEE, INDEST, Shodhganga, Shodhgangotri, N-LIST, UGC-INFONET, VIDWAN etc. Mobile technology will be used globally by 2020 with 70 percent of using smart phones and 90 percent covered by mobile broadband network. Technology sector is growing progressively since many years and has several inventions that invaded human lives like mobile phones, smart phones, touch screen devices.

Review of Literature

The survey conducted by D. North, K. Johns (2016) showcased few signs of addiction to respondent's mobile phones. Their study explored the use and role of mobile phones South African university by college teachers. The focused on four main categories to examine the students' mobile phone use were namely reasons to use smartphones and pattern of mobile phone use.

Mamudu, P.A. and Oyewo, A.O. (2015). Use of mobile phones for academic purposes by Law students of Igbinedion University, Okada Nigeria. International Journal of Library Science, in their study found that 91.9% respondents used mobile phones to consult scholarly articles for their assignments and majority of students use their smart phones to search academic information.

Jairus, E.U. (2017). Impact of mobile phone usage on teachers' academic performance among public secondary schools in Oju local government area of Benue state, International

Journal of Science and Research Methodology, through their study found that mobile phone usage positively effects student's academic performance in the school.

Objectives of the Study

The primary objective of the study is to know impact of smartphone on academic purpose by college teachers in Gadag City. Based on the primary objectives, the following key objectives are:

1) To identify the impact of smartphone for using academic purpose by college teachers.
2) To describe the usage of smartphone for various academic activities by college teachers.
3) To examine the smartphones usage for teaching methods by college teachers.
4) To enlist the findings of the study and offer appropriate suggestions for an effective usage of the smartphone by college teachers.

Research Methodology

The present study is descriptive in nature since the study describes the impact of smartphone on academic performance by college teachers. It has preplanned and structured design. The tool to be used to collect the data is pre-structured interview schedule. Since, the study is based on pre-planned objectives and methodology to fulfill the objectives, it is descriptive in nature. Since the study has made an attempt to analyze the impact of smartphone on academic activities and performance by college teachers.

Sample Selection

For the purpose of the study, totally six college are selected three government college and remaining for private college. The population of this study was college teachers of different teaching departments of colleges in Gadag City. By using simple random method 50 college teachers have been selected from six colleges. The print as well as the link of online questionnaire was distributed college teachers.

Data Analysis and Discussions

Table – 1: Classification of Respondents on Gender Wise

Gender	No. of Respondents	Percentage
Male	29	58
Female	21	42
Total	50	100

Source: Collected through Primary Data

Total 50 college teachers filled up the questionnaire, out of which 29 were male and 21 were female respondents.

Table - 2: Classification of Respondents on Different Department in Academic Wise

Department	No. of Respondents	Percentage
Economics	4	8
Education	6	12
Geography	5	10
Mathematics	4	8
Political Science	5	10
Statistics	3	6
Zoology	5	10
Library and Information Science	6	12
Computer Sc. & Application	7	14
Botany	5	10
Total	50	100

Source: Collected through Primary Data

The above table showing that, maximum number of responses i.e. 14% was used by computer science and application department and the remaining are education library and information science department.

Table - 3: Classification of Respondents on Time Spent on Smartphones by Teachers

Time Spent on hours	No. of Respondents	Percentage
1 – 2	24	48
3 – 4	26	52
5 – 6	---	---
7 – 8	---	---
10 or more hours	---	---
Total	50	100

Source: Collected through Primary Data

The table showing that, time spent on smartphone by college teachers it is observed that and 48% college teachers spend 1-2 hours in a day on their Smartphones, whereas 52% respondents spend 3-4 hours. It is observed that college teachers to use Smartphones for longer hours, as they find it convenient to get desired information.

Major Findings

Major findings of this study are that smartphone has become productive ways to get academic information like research articles reading, to get information on seminar and workshop organized through webinar on seminar or workshop etc. and teachers are using these devices for effectively their updated the academic requirements. During the research study observed that, young college teachers have adapted technology very well to access and use academic information. Some other studies have shown that usage of Smartphones has greatly influenced research based activities and most of the data is being exchanged through social media and discussion forums. Smartphone is also being used as a communication channel by academicians and students, as they share, discuss and exchange information related to academics.

Conclusion

Now days, smartphone is one of the best learning device for college teachers especially for Degree college and P.G college professor in Gadag city. In smartphone, various educational applications help students and teachers to achieve their academic work very smoothly. In recent trend smartphone is widely used academic purposes all around the globe. It saves cost and time of the user by providing best faster communication. Moreover, these smartphone is small handy instruments are being used to address increasing information needs of the academic community. The usage of Smartphone for teaching, learning and other academic activities must be encouraged and promoted in the educational institutions. It is recommended that educational institutions should provide high speed Wi-Fi network in the campuses for quick connectivity and faster communication. Moreover, they should also introduce mobile based applications for academic activities. Finally, it will be a great advantage for research students and college

teachers, for introducing mobile based services of learning management system. As to provide better informational infrastructure in rural area and better monitor the academic activities very effective.

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