ORIGINAL RESEARCH PAPER

Management

"A REVIEW OF ANDROID BASED APPLICATION SPECIALLY DEVELOPED FOR SCHOOL"

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ABSTRACT

Today various technologies like internet, mobile, CBT, MBT etc. are used in education for imparting knowledge to the students. There are operating systems like Symbian, Windows, iPhone, blackberry and Android used by mobile companies and tries to attract the customer on different parameters including cost, user friendliness, availability, effectiveness, etc. in this competition. Android is one of the popular OS which supports programming environment. This feature of Android has provided many educational applications. So, Mobile based application is playing an important role in teaching learning process as well as fast medium for communication purpose. The present paper studies two major aspects 1) A study of Android System 2) A review of Android application developed for a school through the feedback analysis of the parents.

Introduction:

There has been significant changes in computer technology since 1947 till date. Initially the system were too much weighted, costly, not portable, limited applications, etc. but by the evolution these problems have been reduced. Mobile based learning is empowered by recent enhancement like GPS (Global Positioning System), GPRS (General Packet Ratio System), 3G/4G services, 24x7 support etc. CBT/MBT applications are computer/mobile based teaching system which have accepted by the educational institutes as a part of academics.

Onstage at Google's I/O developer conference, CEO Sundar Pichai announced that the company's Android operating system recently crossed a major milestone. It now has more than 2 billion monthly active devices. [7]Android is an open source platform developed by Google which is based on the Linux initially designed for touch screen mobile devices like smartphones and tablets for developers due to this reason it has attracted large community to develop mobile based applications for various purposes. Android provides key features like messaging (SMS, MMS), web browser, virtual base features, multi –touch, multitasking, screen capture, TV recording, video calling, multiple language support, automatic updates, connectivity, etc. This present paper focus the aspects of Android system and the impact of Android application specially developed for a school through the feedback analysis of the parents.

There are some android based educational apps like 1) WPS office application 2) English learning - Learn spoken English and grammar. 3) Aptitude - Aptitude Test and Preparation app 4) C and C++ language - 5) Entrance Exams- Exam preparation platform for entrance exam including. [4]

Objectives of the study
1) To understand the features of Android Applications.
2) To find out the relevance of Android application specially developed for a school through the feedback analysis of parents.

Scope and Limitation
The present research study include the respondents as they are parents from a school (National English School) which is located at Aurangabad city.

Research Methodology
In this paper primary data is being collected through questionnaire from 50 respondent. The respondents are the parents of primary English school. They have been selected by using simple random sampling technique. A school has developed an Android based mobile app and the feedback of the same is taken about the facilities existing in mobile app. The first section of questionnaire includes the basic information of the parent like name, address, occupation, age, mobile, etc. Second section collects the opinion about features of developed mobile app. The feedback analysis is done by using MS excel sheet for further interpretations.

About School App
The school mobile app is android based mobile application. Following are the key features of it.

1) It provides online information about the notices, events, etc.
2) Parent can see the daily homework assigned to their wards.
3) Parents can download photos/videos of each event took place in the school.
4) Admission enquiry is possible.
5) Applications shows the facilities of school.
6) Academic calendar is maintained.

Data Analysis & Interpretations

Table No. 1: Showing the ratings of mobile handset.

Sno.	Handset Vendors	Respondent	%
1)	Micromax	7	14
2)	Samsung	29	58
3)	HTC	4	8
4)	Kaarbon	3	6
5)	Others	7	14
	Total	**50**	**100**

The above tables shows the majority of the respondents i.e. 58% are using Samsung mobile devices followed by Micromax i.e. 14% followed by HTC i.e. 8% and Kaarban i.e. 6% and remaining 14% are using other device apart from mentionshed in the list.

Table 2: Ratings about Operating System

Sno.	Type of OS	Respondent	%
1)	Android	45	90
2)	iPhone	3	6
3)	Blackberry	2	4
4)	Others	0	0
	Total	**50**	**100**

The table no. 2 explores the choice of operating system used by the respondents. Out of the 50 respondent 90% have shown their interest in Android mobile operating system followed by iPhone i.e. 6% and Blackberry i.e. 4%.

Table 3. : Ratings of facilities existing in Mobile App

Sno.	Type of Parameter	Rating (5 to 0)
1)	User friendliness	5
2)	Download Facility for Photos/ Videos	5
3)	Notice Board	5
4)	Online display of homework assignment to the wards	5
5)	Enquiry about admission process	5
6)	Quick communication about events	5
7)	Online grievances facility	0

8)	Online Fees payment facility	0
9)	Online Book download Facility	0
10)	Video calling	0
	Obtained Score (Maximum score is 50)	**30**

The above table no. 2 shows the ratings given by the respondent about the school mobile app for different issues on the scale of 5 to 0. The scale 5 is considered as most favorable. The respondent were asked to give their opinion on different 10 parameters on the scale of 5 to 0. The maximum score of all questions is expected i.e. 10x5 = 50. The obtained score is 30 out of 50. On some issues all the respondent are fully agreed about the facilities like user friendliness, download facility for photos, videos, notice board, online display of homework assignments, enquiry facility, quick communication of events. But at the same time the respondents are not fully agreed with facility about online grievances, online fees payment facility, online book download facility, video calling facility.

Conclusion:

Not only mobile technology is becoming an additional tool in the process of teaching learning process but also a fast communication medium for the stakeholders of the educational system. There is need of quick, reliable, authentic and proper mechanism for communication between a teachers, students and parents. At school level parents have to play in important role as to what is happening in the school, about their events, fees, books, homework, etc. Through this developed mobile app parents are easily accessible to the school and their respective programs. It helps to establish good communication and can be used from any distant place at 24x7. At the same time there are various in build android apps are available for teachers and students. But the customization of app is another importance issue from school management point of view. The reviews of the parents are based on the developed mobile app by the school. Hence there some limitations of the developed model which can be a part of future development program.

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