

MOBILE LEARNING APPLICATION AND ITS USAGE AMONG STUDENTS IN EDUCATION

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ABSTRACT

Applications (apps) and mobile learnings is a current in an education system that reconsiders the aspect in which the trend of learning takes place and the service is delivered through a smartphone. This paper Research Report on the Mobile Learning Application and Its usage among Students in education and Academic Staff at the College or Institute. There is the main ambition of this Research that is to resolve the favored smartphone is the operating system is used among the students, primary app i.e. ERP is used by students and administrative staff. The purpose of this Descriptive study to establish ERP software whether are currently used to enhance or upgrade the level and support learning in the institute among the college student.

From academic purpose, ERP software was to be used to save time and reduce the workload of paperwork and drive information to students through ERP. Like spread pre-post reading materials, assignments, mock test, case study or other teaching resources. In this research, ERP software to be used to organize, store information of individuals and to stay connected with research. This Research paper complete with the list of conclusion.

Keywords: Research methodology, academic, College students, Software, Smartphone

INTRODUCTION

The world is shriveling, now the world is just a few clicks isolate. The education system more advanced and dynamic. Mobile learning, the use of the handy electronic device to approach and share information. According to (Rossing, Miller, Cecil, & Stamper, 2012) mobile learning began and shows the opportunities to the student as well as professional also.(Foti & Mendez, 2014) Education system using Enterprise Resource Planning (ERP) is the new platform of Education system and efficiently manage student information efficiently along with automating processes for the stakeholder. It also helps teachers, students, parents, the administrative staff to use data in an organized and well-mannered structured. As the People are getting Tech Peculiar, nearly everyone

has a smartphone and Android even is used by the students as well as for their Studies. In spite of pursuit of the mobile device is a well-used document in the fundamental and high level of education system. In the smartphone a variety of Educational apps which can teach us almost anytime anywhere. These education apps proceed as a considerable asset to ones learning as they create a blend of innovation and primary learning.

If we are looking for an educational ERP software at present which is very useful for university or college to well-organized in the business operation is definitely one of the best. According to McQuiggan (2015) says that an internet connection is required to operate the internet and create a new content. As the rapid development of Information Technology, ERP has not only developed in Education sector Its also developed in various enterprises and organization supporting and managing business and decision making. In the case of application-oriental talent education, it is necessary to have a great understanding of ERP's content, meaning, and strategy. According to (Hahn, 2014) mobile application is continuously growing technology and also its use in the academic sector. ERP is prestigious as a powerful weapon to grab the competitive advantages and achieve the strategic goals of Enterprises. ERP has taught should focus much more attention on restructuring the Education's system or management and supporting the strategy development.

Recent years, many academic documents about ERP modules reform had been published. However, few papers of ERP modules reform, especially for application-oriented talents education. In spite of pursuit of the mobile device is a well-used document in the fundamental and high level of education system. In current years, various academic documents about ERP educational program reform had been published. However, the research of ERP in an educational program which is especially for application- the oriental high level of education through mobile in the institute. This paper is practical research did through teaching on ERP to MBA for a long time. Though this considers that ERP teaching should improve and trend in the higher level of education in the current scenario and support the strategy development.

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ERP software

BYJU'S Learning App is the world's largest training app for a student who studied in school in there 16 million students who registered on this platform. Founder of this app BYJU RAVEENDRAN who cleared 2 times CAT with 100 percentiles. The app offers a learning platform program in Math and Science for class 4th to the 12th student. And it also has a pre-courses test for competitive exam like CAT, GRE&GMAT, NEET& JEE etc.

Wikipedia

Wikipedia is an open platform for everyone in which the online encyclopedia created were through the collaborative efforts of a community of users known as Wikipedians. It's a free platform anyone can register on the site a create an ID, update or upload any articles for publication. Wiki is coming from the site's name. TED, MyCBSEguide- CBSE papers& NCERT solution, SoloLearn: Learn to Code for free, Khan Academy, Coursera: Online Courses.

LITERATURE REVIEW:

This Research literature is on operating mobile learning applications is on trend and it plays a crucial role in the education system and up bring new technologies in an institute like ERP software (Enterprise Resource Planning). This research helps in understanding the current important scenario of mobile learning.

Wu, Wu, Chen, Kao, Lin, and Huang (2012) reviewed 164 studies from 2003 to 2010 on mobile learning. They analyzed that the literature is well aligned and provided a Comprehensive analysis. They construct that studies on mobile learning are effective and it also is focused on e-learning system design. They interpret that researchers used commonly surveys for experimental as research method only. Furthermore, ERP is also installed in the smartphone and widely connected in the Educational system. Moreover, it is reported that the most highly-present articles on mobile learning system design ERP software and its effectiveness.

According to Hwang and Tsai (2011) reviewed journals in the Social Science Citation Index (SSCI) database from 2001 to 2010, selecting 154 articles on mobile learning. They searched the various of articles published on research sample groups, research learning domains, and country

of origin. They found that a higher level of education students were the effective frequency of the research population. They illustrate that the most studies weren't about any specific learning domain. ERP is also effective in the education system and upgrades the level.

According to the statics explained by Gartner (July 2014), tablets' sales quantity was 206.8 million in 2013, in 2014 it was 256.3 million and cell phones' sales quantity was 1.807.0 billion in 2013, in 2014 it was 1.862.8 billion. Almost, organizations spend 6.5% of their annual revenue on their ERP Project. Moreover, those studies didn't mention research purposes and methods of search articles. This study provides a literature review method in examining trends in mobile learning studies. Through ERP helped in not only for students in the education system but also help in academic to Mentor & Track Individual, Grant Management, Faculty Productivity all these which are very useful for University and college. It also saves times and automatically maintained a record in software. ERP today designed to help small to medium sizes areas helps to expand and grow. ERP software is so advanced that they can take over most of the organization works. Cloud-based ERP is economical access to world-class tools. Its solution is more flexible. ERP is the new mean of learning area for the educational world. Technologies always influence the educational system.

Mobile learning

Mobile Learning Applications take place and integrated into the current scenario Through Learning Applications there were a lot of benefit in Education also like ERP Software is also a current trend and helps in the Education sector. According to Hidayat and Utomo (2014), mobile learning is an electronic information which we can learn. Mobile Learning is a platform where learning offers to learners' sovereign to any time anywhere.

Mobile Learning Application is a trendy and peak Advanced Technology for all the sectors. According to the search done by "Portio research" (2013) in 2012, 1.2 million people use mobile applications all over the World and in 2017 it is assumed that the number will be 4.4 million. A person or a learner who have an urge for learning or a motivated can do easily plan and formulated learning activities.

According to UNESCO (2013), mobile learnings equipment is useful in teaching like tablets, portable audios players, mobile phone, laptop etc. The benefit of both the learner and the

applications is the ability to operate the mobile learning technology in a proper way and which is effective as well.

The advantages of mobile learning

The main advantage of mobile learning Application is convenient and have the bear to connect the internet connection at anywhere when in need. It also helps in distance learning it's the benefit of technology. While using Mobile learning application it is crucial to connect with the internet. According to Viberg (2015), observe ten crucial rules to operate a system designer while designing a mobile learning. Choice of technology, roles, cost, equipment management, collaborative services or application and security issue, support for teachers, system usability and administrative. The disable learners will also grasp the opportunities 'from this technology. Mobile Learning Application is the most ongoing topics in the Educational sector it's a new technology like ERP and there have been many studies on these topics. However, there is a need to examine the mobile learning on ERP and to understand the facing problem as well. The purpose of this study is to recap the conclusion of the mobile learning literature. The comprehension learning can motivate the students and also increase or raise the outcomes of education who are distance learner through Mobile learning application.

Mobile learning challenges

According to (Kirkwood, 2014) the Primary challenges of mobile learning application change the society and also it's a part of changing in the Educational sector. According to Viberg (2015), a system designer is to observe ten vital rules during designing mobile learning, Cost, system usability, choice of technology, roles, equipment management, support for teachers, administration, collaboration services or application and security issue. To design a mobile learning application is also a professional task to upgrade strategies and skills. It's not an innovation it's basically changing the current system and useful for mobile learners and also useful in academic through ERP which is the latest technology. ERP system is not only used in the specific area, it used by large corporation around the world as well, recently replacing management, financial and administration computer systems in the higher education sectors (Pollock and Cornford, 2005). ERP plays a trendy role in the IT education sector.

According to (Robert, 2004) ERP is used in tracking a range of activities including those of human resource systems, administrative student information systems, and financial systems. There are

numerous benefits of and challenges to implementing ERP system in the corporate sector. The higher education sector supports the ERP in academic.

According to Panorama's report 2017 Report on ERP Systems and Enterprise Software - 81% of the organization is either in the process of implementing ERP software or have completed implementation; 14% of the organization is in the process of selecting software; 5% are in the process of upgrading software; and 16% the most prevalent reason for executing ERP was to take over from the old ERP or tradition system.

Reasons for implementing ERP

49%- change obsolete ERP software; 16%- Change home developed systems; 15%- change accounting software; 20%- change Non- ERP system; 35%- reported implementation costs of 1 to 3% of their organization's annual revenue; and 20%- Reported implementation costs of 3 to 5% of their organization's annual revenue.

RESEARCH OBJECTIVES

- To identify the use of mobile learning software in the education sector
- To support their current state of keenness to use ERP software in which to help them in developing knowledge and skills in present Scenario
- The objective of mobile learning application become a pervasive part of the education sector, to focus on design and evaluation has turned Software users' learning application

RESEARCH METHODOLOGY

This area glimpse at the methods to achieve the objectives of this Research study. The focal point of the research design to see that this research is Descriptive Research or an Exploratory Research. The data was collected through Survey (Online Questionnaires). And the source of data Primary or Secondary for the research. It also analyzed data on the target population of the study, sampling Techniques, Sample size, Conceptual framework and also used the data collection for the study.

Research design

This Explanatory Study Research was constructed Descriptive (Quantitative) methods. Conducting a quantitative study research involved with survey questionnaires in this there are 3 phases. The first phase conducts a survey. The second phase shared a survey link among business

management students or university. The third phase is to complete the survey and determine the result. The survey research sustains an objective approach. And at last, Software which is used to accomplish survey objectives: E-mail, Google doc, Microsoft Excel “(Jesse, 2013)”

Primary data

I have collected data through questionnaire and personal interview.

Secondary data

I have collected data from research papers - Scopus and Elsevier, annual reports, articles, and magazines.

Target population

In this Research the target population student of India and represents the collection of Mobile learning application among students which is ERP software. According to this my main object and targets students in India those who used or using ERP software and understand the needs and use of ERP software not only in studies but also for future development also.

Sample framework

A sampling framework is a B- School.

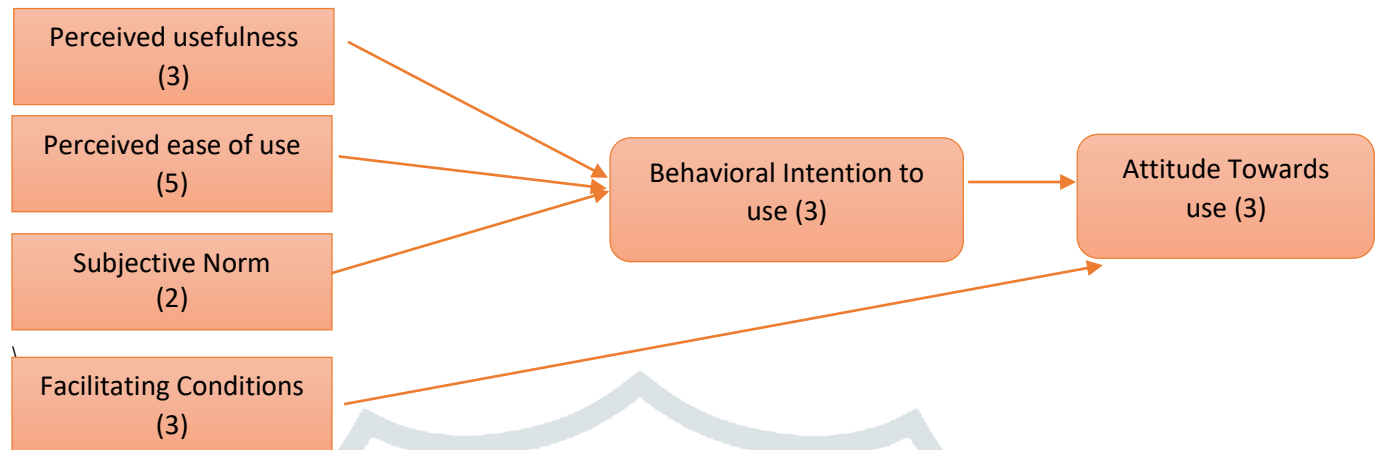
Sample size

The sample size is 300 in B-school. Respondent one hundred and seventeen (17) data were collected (this sample is borrowed from the questionnaires survey).

Sampling technique

This is a Descriptive research, in this research B-school students shows the prescriptive of using mobile learning application which is ERP software, this is an important research design. In this take a decision regarding the ERP software

CONCEPTUAL FRAMEWORK



DATA ANALYSIS AND INTERPRETATION

Reliability (Cronbach's Alpha & Composite Reliability > 0.7)

According to Christmann and Van Aelst (2006), Cronbach's alpha is a popular method to measure the reliability of the construct. The Cronbach's alpha value obtained for each construct is greater than 0.9 (the suggested threshold value is 0.7) which is a positive indicator for the proposed model. In this model, Cronbach's alpha value of all the items in each construct is greater than 0.7 and it's ranged from 0.719 to 0.828. Composite Reliability value shows the reliability of all the variables used in the research as per Bagozzi and Yi (1998) composite reliability value should be 0.7 or higher which show the internal consistency reliability.

Questionnaire validity has been evaluated using Convergent validity and Discriminant validity. As per Bagozzi and Yi (1998), the AVE value of all the variable should be greater than 0.5 as it confirms the convergent validity. And the square root of AVE of each latent variable should be greater than the correlation among the latent variable (Fornell and Larcket, 1981) confirms the discriminant validity of the variables.

| | Cronbach's Al... | rho_A | Composite Rel... | Average Varian... |
|------------------|------------------|-------|------------------|-------------------|
| ACTUAL USE | 0.814 | 0.821 | 0.889 | 0.728 |
| BEHAVIOUR IN... | 0.719 | 0.748 | 0.777 | 0.542 |
| EFFORT EXP. | 0.828 | 0.836 | 0.879 | 0.593 |
| FACILITATING ... | 0.751 | 0.808 | 0.853 | 0.660 |
| PERFORMANC... | 0.799 | 0.827 | 0.880 | 0.711 |
| SUBJECTIVE N... | 0.756 | 0.761 | 0.891 | 0.803 |

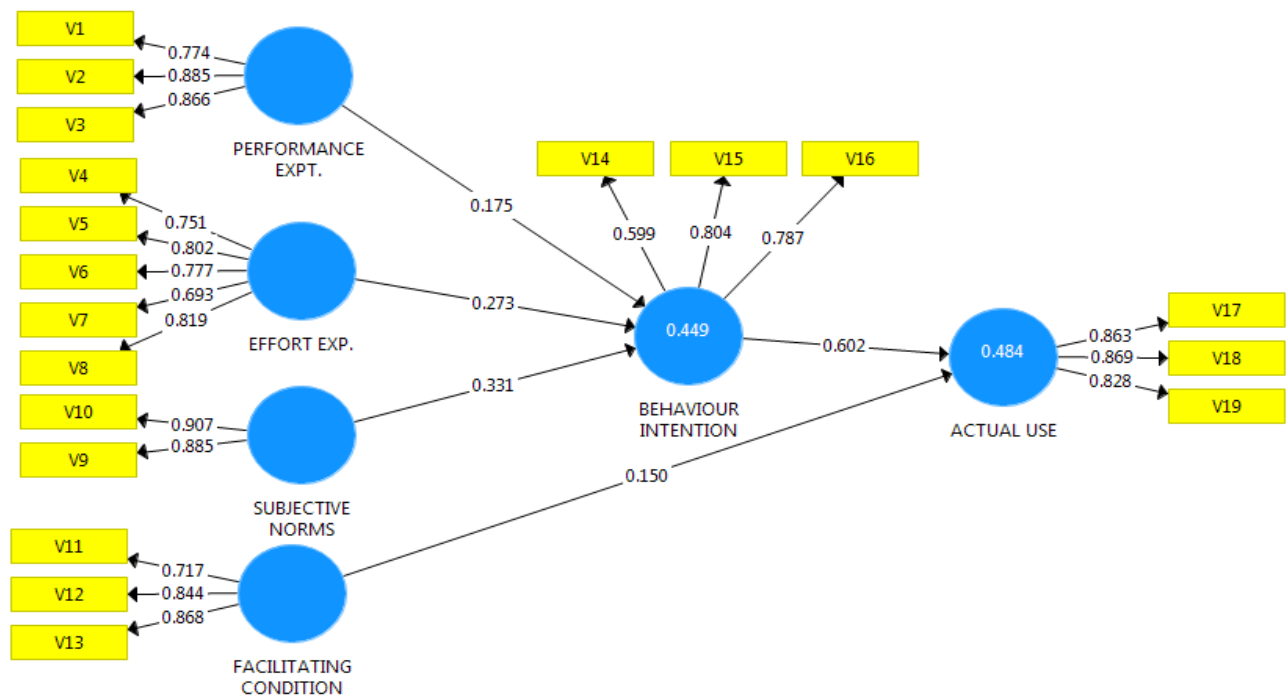
Discriminant validity

Discriminate validity can be understood as the extent to which any single construct is different from the other constructs in the model (Carmines and Zeller, 1979). Discriminant validity was evaluated by the test provided by Fornell and Larcker (1981). The discriminant validity is ensured by measuring LVC replacing the square root of AVE value on the cross loadings should be greater than below loaded values.

| | ACTUAL USE | BEHAVIOUR IN... | EFFORT EXP. | FACILITATING ... | PERFORMANC... | SUBJECTIVE N... |
|------------------|------------|-----------------|-------------|------------------|---------------|-----------------|
| ACTUAL USE | 0.853 | | | | | |
| BEHAVIOUR IN... | 0.684 | 0.736 | | | | |
| EFFORT EXP. | 0.135 | 0.144 | 0.770 | | | |
| FACILITATING ... | 0.480 | 0.547 | 0.251 | 0.813 | | |
| PERFORMANC... | 0.144 | 0.525 | 0.135 | 0.394 | 0.843 | |
| SUBJECTIVE N... | 0.251 | 0.581 | 0.618 | 0.399 | 0.461 | 0.896 |

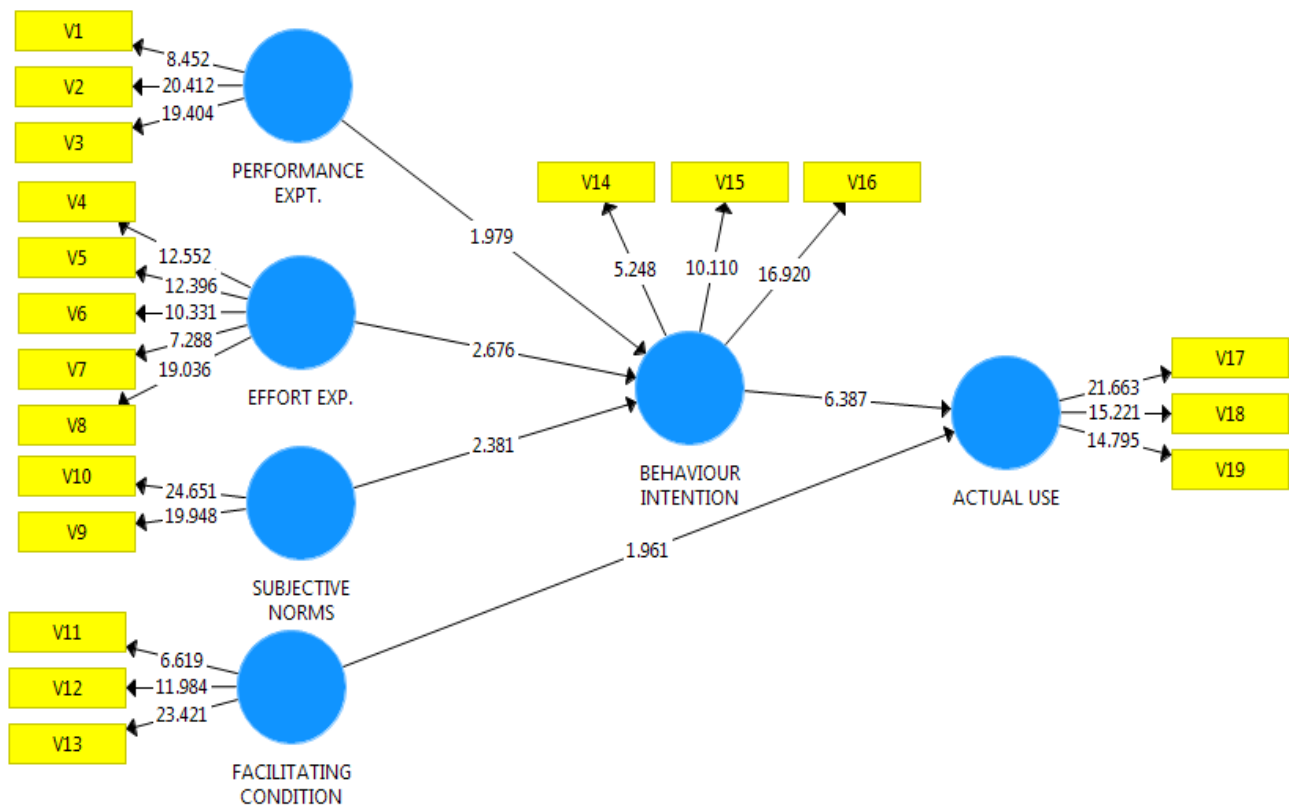
Measurement model / path model

The inner model suggests that Behavioral Intention has the impact on actual use by (0.602) this clearly indicates that a 100-point change in behavioral intention will bring 60.2-point change in the actual use. The theoretical relation (path) forecasted between all constructs is statistically significant because of standardized path coefficients superior to 0.1 (S.S Bhakar et al, 2007). Performance Exp. (0.175), Effort Exp. (0.273), Subjective norms (0.331), has an effect on behaviour intention and behavior intention effect (0.602) to actual use. Facilitating condition has a direct impact on actual use by 15% (0.150)



Bootstrap model

Smart-PLS provides “t” statistics to test the significance of the inner and outer models, using a procedure called bootstrapping. In this process, a large number of subsamples are produced based on the original sample, with replacement, to obtain the standard bootstrap errors, which in turn permit the approximate estimation of “t” values for significance tests of the structural paths (Wong, 2013).



t-STATISTICS -

| | Original Sampl... | Sample Mean (... | Standard Devia... | T Statistics (O... | P Values |
|-------------------|-------------------|------------------|-------------------|---------------------|----------|
| BEHAVIOUR IN... | 0.602 | 0.613 | 0.094 | 6.387 | 0.000 |
| EFFORT EXP. - ... | 0.273 | 0.292 | 0.163 | 2.676 | 0.094 |
| FACILITATING ... | 0.150 | 0.152 | 0.103 | 1.961 | 0.145 |
| PERFORMANC... | 0.175 | 0.169 | 0.137 | 1.979 | 0.202 |
| SUBJECTIVE N... | 0.331 | 0.327 | 0.139 | 2.381 | 0.018 |

After concluding the estimation process in the path modeling, the t-statistics are reported in the above table. The Path Coefficients (Mean, STDEV, t-Values) values are representing the significance of the model. As observed, the values in the column t-statistics are superior to 2.57 (significance level = 0.01). If the t statistics value will be larger than 1.96 when using a two-tailed t-test (significance level of 5%) it shows that the path coefficient will be significant (Hair et al 2011). In this study, it is found that all the linkage is significant.

FINDINGS OF THE STUDY

The most Prominent topics are Mobile Learning Application in which students adaptable to mobile learning. Many have follows with the development of mobile learning application. This research in favor of ERP software for learning purpose. Current ERP Has play role in academic functionalities for higher education in the institute. Therefore, Implantations ERP for higher education should follow the organized strategy and policy as well. In this Research study, we found that the user of Mobile Learning Application is satisfied to using ERP Software. Through the empirical study, the satisfaction level of mobile learning application was considered.

CONCLUSION OF THE STUDY

There are various advantages of mobile learning application like ERP software in which immediate feedback, simulations, records, study, materials, and capture all the data in the system only. With a rapid development In the education sector, mobile learning has become a beneficial additive in a formal learning. Therefore should be able to understand the impact of the latest technologies used for the learning or upgrade skills. Users are satisfied with mobile learning but the app is determined by various factors, such as assertiveness of learners' attention, and the limitation of technical function etc.

LIMITATIONS OF THE STUDY :

- The researcher has done the study in the education sector (PIBM).
- The researcher has conducted the survey among Post Graduation student.
- Respondents age limit between the 20- 28.
- My study constructs only 58.1% male and 41.9% female

FUTURE SCOPE OF THE STUDY :

However, this study research is empirical in that the mobile learning application uses and point out the needed of software in the education sector which helpful among student mobile learning application its also used by the researchers and teacher there is also scope both parts. The ERP software has perceived benefits of mobile learning app i.e the technologies is also charged with the teaching and practices process. The huge potential of changing in teaching through the mobile learning app. Modern speech appreciation technology has had a great effort on mobile learning

application. Technologies in the educational sector are not new but the mobile learning application has become more prevalent. Further Research should focus on more learning application and software in the education sector or privacy protection mobile learning application. some barometer were starved from the survey on mobile learning application and them also the useful future work in this area.

We can develop ERP software in many sectors like IT sectors, manufacturing, automobiles, FMCD, FMCG etc.

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