

Review on Effective implementation of GATE Resource sharing online for the students

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Abstract - The students appearing for exams like GATE prepare themselves by appearing for mock tests and searching for the study material from different websites. Today, the smart phones have replaced desktop PC's and laptops in many manners. There are offline android applications available for aptitude tests but there exists none that provides the test for all sections with random set of questions, timer for each test, tutorials, score calculation and maintaining statistics in one single application. This application has been developed within the framework of the current study that provides its users with a fast, effective and efficient learning environment, thanks to today's various mobile devices[1].

Smart phone is considered an important innovation that has changed the human life in several aspects. Android has emerged as the most widely used operating system in Smart Phones. Android operating system is open source and freely accessible to everyone. On Android operating system, many applications (apps) are available for fun and entertainment. With cut-throat competition for various examinations, students have moved from conventional way of learning to M-learning for preparation[2].

Key Words: M-eclipse, Java SDK, android studio IDE, Android mobile, Windows 7 and above OS.

1. INTRODUCTION

Today, it is seen that many people that prepare for their exams are studying in buses, in parks or in a cafe with a test book in their hands. The tests prepared via electronic exam systems, now, have been an alternative for those who prepare for their exams by using their personal computers or mobile devices. Connecting such services requires a computer and an internet access.

In other words it is necessary that students must be in an environment which provides above mentioned conditions in order to access such electronic exam systems.

Mobiles are an integral part of daily life. With time, customers are expecting best and very versatile applications in less time. It is big challenge to develop high performance mobile applications in this competitive market that would

meet the expectation of customers. The advancement in mobile technology has improved everyone's life.

Nowadays various mobile technologies as well as mobile phones compete in the market. The users use various applications in their day to day life to reduce the burden of work in some way or the other.

One of the uses of mobile devices is "mobile learning", which can be defined as "all kinds of learning that do not take place in certain predetermined fixed places". The student appearing for placements and other engineering related entrance exams, have to prepare themselves in technical as well as non-technical areas.

For this they have to accumulate study material from different sources. Also there are many mobile applications available that provide mock tests. But there is no application that provides all the sections under one roof. They also surf around internet for some tests for practice. But due to some reasons like slow network or no network or many a times the website server may not respond due to server overload, users are refrained from appearing the test.

One solution to this is to have an application in mobile for practicing test Online. With the number of smartphone users are increasing each day, there is an equal increase in the number of application developers for the same[1].

A mobile app, short for mobile application or just app is an application which runs on smart phones, tablet or mobile phones. Apps are pre-installed or downloadable pieces of software that can do almost everything. Apps make mobile more like portable computers having multi core processors, gigabytes of memory and a real operating system. Originally mobile apps are made available for informational purposes that include Gmail, calendar, weather information[2].

2. Students Guide: Offline Android Aptitude Application.

Author of this paper are Nataasha Raul Asst. Professor, Ruchika Shah Student, Jinal Shah Student, Priti Sane Student, from Sardar Patel Institute of Technology, Mumbai, India.

This paper provides a comparison of the existing aptitude applications available in Android market along with the idea of developing an application that overcomes the flaws of the existing applications.

This application has been developed within the framework of the current study like GRE, GMAT, and GATE that provides its users with a fast, effective and efficient learning environment

This paper and conclude that there are offline android applications available for aptitude tests but there exist none that provides the test for all sections with random set of questions, timer for each test, tutorials, score calculation and maintaining statistics in one single application[1].

3. Challenges in Android Application Development: A Case Study.

Author of this paper are Abhinav Kathuria, Anu Gupta, Department of Computer Science and Application, Panjab University, Chandigarh, India.

The present paper discusses the design and development of an Android based app named as quiz that can help students in preparation of competitive exams like GATE etc. while they are on move. This paper also highlights various challenges faced by developers in Android App Development [2].

Though this paper idea about in which chapter wise tutorials are available for students to learn. They can play the quiz and about 20 questions are asked with four options for each question and student has to select one option and number of correct answers will be shown at the end.

We are analyze the paper and implement in our application we can provide the Study materials in the form of notes, videos, Sample question papers with their solutions.

This system will be helpful for refer all type of study material, student user can join directly with its located nearest academy, Providing various types of references, Student can choose best ranking institute, Academy can upload advertisement, student attends practice test, view result as well as average progressive result.

4. CONCLUSIONS

By considering the need of the students for placements and other entrance exams, this application has been developed in the most preferred mobile operating system i.e. Android. This application has been developed to overcome the flaws in the existing system like properly categorizing the sections, providing section wise tutorials, random set of questions and

timer for each test, maintaining score board along with a user friendly and attractive and easy to use user interface. It is designed as a preparation tool for job aspirants and various aptitude tests[1].

The experience has been quite challenging, motivating as well as satisfying. iquiz App can be used by students conveniently while preparing for examination. More questions may be added from time to time so that App can cope up with requirements of users. Several other modules like on demand MCQ's for a particular subject, Job Notification, Downloading of Tutorials, Downloading of Reference books etc. can be added in future for enhancement of features[2].

REFERENCES

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