

TEST PORTAL USING MOBILE AD-HOC NETWORK

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Abstract: Test planner portal application will be implemented in android technology. The main aim of our application is to provide question bank required for student during studies. So no need to search for question papers on internet. This application is also helpful for teacher to set the paper for examination. Our application will save time as well as money required to buy the question bank books.

Keywords: Test Planner

I. INTRODUCTION

Examination method is important for students and education institutions to evaluate the student's performance. Exam preparation is very important and challenging for every student. In today's age, education is the most important way of achieving success. When we discuss education, it is imperative to mention tests and examination. Examinations prepare students in their quest for knowledge. So, having a proper examination paper and format is quite necessary [2].

In today's world, time is a major concern. Any product that can effectively reduce time and power consumption is accepted and appreciated. Thus we are presenting the test planner portal that can reduce time consumption by replacing the conventional method of question bank generation. It also needs lesser man power.

This is a challenging era due to the growth in the field of computer science and demand we are facing today. Hence examinations play a vital role in testing student's performance. And that is why it is important to have a smart development question model for growth of students as well as to test their learning skills thereby keeping a check on student performance [13]. Generating an effective question paper is a task of great importance for any educational institute. The traditional method, where lecturers manually prepare question paper, it is very tedious and challenging. Hence, with the help of this test planner portal we present the solution that will helps to generating question paper has been manual.

Today's world has influence of e-learning and e-education. In our proposed system, we are going to develop the test planner portal system for students help to search and download the previous year question papers. Test planner portal provides more benefits to students that make learning fast and appropriate. Before the development of the e-learning system, the main problem was that students had to gather the previous year question papers from library, friends and senior students. To produce e-question bank application is a necessarily needed for students. We are decided to make test planner portal application for mobile because mobile is that it provides timely access to information from anywhere and help to provide fast result [9].

Test planner portal is used to implement question bank based software for educational practice which will be better than regular book practice. As we see usage of computers and software are increasing in present trend developing this education software will be very helpful for students.

Using test planner portal application test system will be simplified and using of manual question finding system will be reduced, this is best practice for reducing paper usage, educators and students can save lot of time. This application will help educators to evaluate candidate's standard using this readymade question bank.

Traditional paper based exam system has been practiced as a yard stick to measure the level of understanding by the students in their subjects. It has been an indicator to judge the student's knowledge. This paper based examination involves lot of human effort and consumes adequate time in conducting and assessing also there is difficulties in storing and maintaining huge records [2].

It is obvious that android platform has an efficient mobile platform. Android was developed to allow the application creator to write inventive application and their individual source code. We take this environment to implement and design a question bank application that helps the students to find and download existing question papers in an easy way. This system helps to create a question-bank database that keeps previous year's dataset for students to access and reduce the burden to acquire the exact questions

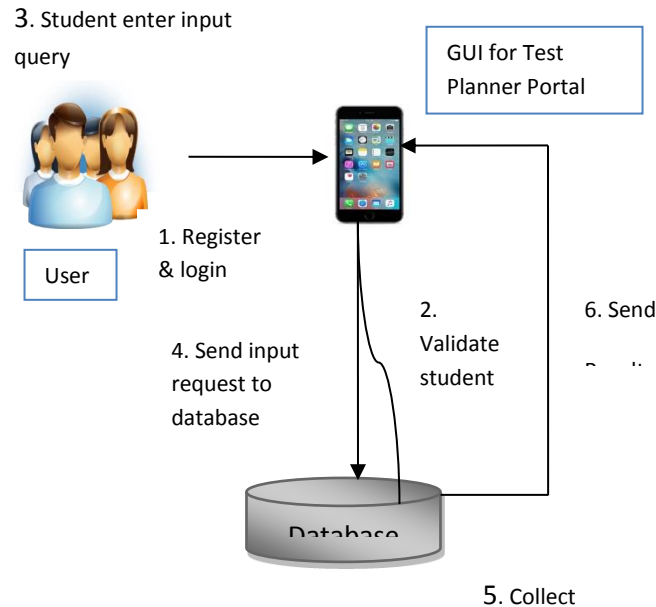


Figure1. Model of the test planner portal

Objective

Old question papers are important during studies. This will help the student to understand the pattern of questions asked in exam. Different books and sites are available for question papers. But searching requires a lot of time. And it needs a lot of effort. Many students do not get a particular question bank on a certain topic.

To set a question paper for an exam is quite difficult for an examiner. To conduct an exam, a teacher must have a question paper. Teachers have to read all about that particular topic and then to generate a paper, this is so time-consuming and hectic [3].

So to overcome all these problems, we consider making a question bank which will run on an android device. This application will reduce the efforts of students as well as teachers. This application will be very useful for exam preparation.

II. PROPOSED WORK

We have seen limitations in the existing system. So we are going to develop a project which may try to cover the limitations of the existing system. In our project, we are providing two main modules.

- A. Old question paper set
- B. Topic wise question

In the first module, all old question papers will be available in the app, which will be sorted on the basis of year and topic. It will help students to find question papers very easily. In the existing system, question papers are sorted according to subject basis only, so we are trying to reduce their efforts by sorting papers by year.

In second module we will try to provide questions on the basis of topics and chapters which will help students during studies. If student will have their own question bank with them then it will be easy for them to improve their knowledge of learning without going anywhere.

III.SYSTEM PROCESS

The system has two types of processing as one is on admin side processing and another is student side processing.

3.1 Admin Processing

In our proposed system everyone is having some functionality to help system more efficiently. In the admin side, they have responsibility for collecting the previous year question papers and preprocessing the data set before uploading them into the Test Planner Portal database.

Admin is the authorized person for validating student details while registering them, assigning them user id and password, adding tests by category wise, update test schedule and so on. Admin has the full authority to manage the portal database.

3.2 User Processing

User processing it is the most important part of our system. In this system, the students download the Test Planner Portal app from web page [5].

Once they download the application, they provide their details in the registration form. This registration details will be verified by the admin to validate the students. After successful registration, user can download previous year question papers in an efficient way. Our Test Planner Portal application facilitates search options by category, subcategory, test etc. This application can be accessed by students at any time and any place.

IV.FEATURES

There are several features of Test Planner Portal. Some are mentioned below

- A. This app occupies less amount of mobile memory so it is beneficial for user.
- B. It has all categories test so you can give exam you want.
- C. The test related authentication and authorization is on Admin side so it has security.
- D. After the test user can see their own score.

V.ADVANTAGES

The Test Planner Portal app has various advantages to user as well as admin when compared to the traditional manual system. Some advantages are given as follows

- A. Admin can generate test papers randomly by using Test Planner Portal instantly, thus saving a lot of time.
- B. Tests are practical, they're easy to administer, and they consume less time to administer versus other assessments.
- C. Test Planner Portal can help examiners to generate the question paper based on the learning outcomes elements.
- D. By using this app the user can give test anywhere and anytime what he/she want to give.

VI.CONCLUSION

The main purpose of this application is to provide online competitive tests for candidates. This system is web-based as well as desktop-based application system with several features mainly producing unduplicated sets of questions for test .Also here there are several tests so this tests have multiple choice questions as well as number of tests also included in the system.

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