**Title of the project:**

Quiz model based on categories with improvement suggestions

END TERM REPORT

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**Student Declaration**

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**Abstract**

[Quiz model](https://partheniumprojects.com/online-quiz-management-system/)report in python. Modern hand held devices such as smart phones have become increasingly powerful in recent years. However, there are some applications that allow users to flexibly execute tasks which are done by personal computer (PC), laptop etc. As mobile devices become more like PCs they will come to replace objects to accomplish necessary tasks. If any mobile applications has developed to mitigate administrative work as well as fulfill user (other than administrator) requirement, then task can be complete within the smart phone.

Quiz model, which is developed for Android base platform falls into this category. The prime objective of “Quiz model” is to take quiz for any individuals through internet. Multiple choice questions (MCQ) will arrive for any interviewee with certain time limit for each quiz. All questions, answers and timer must be configure by an administrator and these administrative tasks including user creation can be done from “ Quiz model”. Besides, report will generate with score where administrator can check for interviewee’s result.

**Introduction**

This is a programme-based intelligent multiple-choice-question examination system, named programmed Intelligent Quiz System , for assessing students. It is a system by which students can appear in a quiz from anywhere of the world where there is no interaction between pencil and paper rather interaction between computer and human being. We use the term intelligent here as the system generates questions intelligently. There are many definitions of intelligence but we use the term intelligence in the sense that the system generates the a new question of a quiz by depending on the result of the question last answered and for the same quiz of a subject it generates different questions for different students. The questions vary student to student for the same quiz while they are sitting in the quiz at the same time. Teachers can use the OIQS for evaluating students effectively, efficiently and perfectly. Any university, college, school or educational institute can use this system for their organization to take quizzes. Today it is the more efficient and effective methods of assessing distant students.

One of the main benefits of our system is automated marking, that is, teachers do not need to check the answer script as they do in manual quiz. It saves valuable time of a teacher. On the other hand, students can score according to his/her merit level and it will give feedback about a student in which side he/she is weak. In recent years, the use of online quiz systems has become quite popular due to pressures of increasing class sizes and the need for more efficient and effective methods of assessing distant students. It is due to the popularity of distant education. Still now maximum educational institutes have been using manual system to take quiz. In the recent year a few instructors of some institutes have been using web-based M.C.Q. quiz system. Actually, it depends on how much web technology a country takes or uses. For example, in Bangladesh it is rare to use a web based quiz system. But in case of U.S.A. it is a general case to use a web based quiz system.

**PROGRAMMED BASED QUIZ SYSTEM**

Now a day the programme base quiz system is getting popular with a tremendous speed. As the technology is spreading through out the world the automated system will also taking the places of the manual systems. Currently big institutes are running their online quiz systems at a very successful rate. As the time is progressing the online quiz is making interest to the faculties and also to the students. In the big cities and organizations people are getting understand that how the online quiz system is better and efficient. With in the recent time this system will be taken place to this techno world. But this system also has some lacking. If this system has the intelligent part then it will be a perfect one. The problems that may occurs with web based quiz system: Can’t evaluate the student perfectly. Can’t generate the proper feed back of the students.

From the previous two systems I realize to solve the problems of those systems to get a standard quiz system. In the previous two systems the things that are short from a standard quiz system, to fix it up I design an intelligent system, which will work according to the web base system. From this intelligent system we can omit the manual system’s problem criteria because it work as a web base system, which is totally automated. It also omit the general web based system because it gives the evaluate option for the students performance and feed back criteria giving suggestions to the quiz player. To get a standard quiz system I tried to join the intelligent system that I designed for my thesis project. This will help to remove the current system’s problems.

In recent years, the use of electronic online quiz systems has become quite popular due to pressures of increasing class sizes, and the need for more efficient methods of assessing distances students. This thing motivates us to work with web based quiz system. We also have tried to eliminate the problem with general web based quiz system and decide to create a web based intelligent quiz system. In our thesis project, we have tried to develop an “Pragrammed Intelligent Quiz Model” which will be popular in both the students and teachers. To develop the system we collected some documents from web. Then we have analyzed those documents and tried to find some logic from there. As a step of development we collected requirements where we have conducted a survey. In that survey we took teachers and students opinions to make the system more meaningful. For that we made a question set and gave it to some teachers and students. They gave their opinions on those scripts. In below survey details are given.

**Objectives**

The main objective of this quiz is to facilitate a user friendly environment for all users and reduces the manual effort. In past days quiz is conducted manually but in further resolution of the technology we are able to generate the score and pose the queries automatically. The functional requirements include to create users that are going to participate in the quiz, automatic score and report generation and administrative tasks like add, delete, update for admin privilege users. In this application, all the permissions lies with the administrator i.e., specifying the details of the quiz with checking result will show to interviewee or not, addition of question and answers, marks for each question, Set timer for each quiz and generate report with score for each quiz. The main aim for this project is in results it will gives you on which part you have to improve and in which categories you have to concentrate more.

**Motivation**

Currently most of the Examination like organizational recruitment, University class test are paper based, which costs time and resources. Questionnaire is developed, printed, and then collect data, entry, editing, cleaning, which time consuming and costly. Proposed application is the starting for avoid those circumstances which are been currently faced by any organization.

#### ****S/W System Configuration:-****

Operating system        : Windows 7.

Coding Language         : Python

Database                    : MYSQL

**ADVANTAGE**

* Students can appear in a quiz from anywhere of the world.
* There is no interaction with pencil and paper.
* Questions are generated intelligently.
* The system generates a new question of a quiz by depending on the result of the question last answered.
* The system generates different questions for different students for the same quiz of a subject.
* Teachers can use the system for evaluating students effectively, efficiently and perfectly. It is the more efficient and effective methods of assessing distant students
* There is provision of automated marking, that is, teachers do not need to check the answer script as they do in manual quiz.
* Valuable time of a teacher is saved.
* The system will give feedback about a student in which side he/she is weak.
* The system implements distant education

## Future Work

Currently, ‘Quiz model’ project is developed for Android operating system. As this is the staring of this kind of initiative, Majority for uses, Android is considered as first choice. Other platform like IOS, Windows etc. will consider as future development work. As Lets Quiz is developed with cross platform IDE , so few modification will help to build apps that support other operating system. Graphical enhancement will also a part of future planning

## Work division

## S.Srihari – Implemented input part of the code and also selected categories.

## K.Mahesh- Implemented algorithm and selected questions based on categories.

## D.Ramesh- Implemented the output part of the code and written some part of the report.

## V.Sivanjanesh – Done some mathematical part of the code to get results after participating in the quiz and written some part of report.

## Screen shots of output

## input code.PNG

## input code2.PNG

## output code.PNG

## Conclusion

In **programmed quiz model** report in python. thesis, we have focused on the automated system, which replaces the manual quiz system. But the interesting thing is that the thesis is not just an online quiz system; it has its own intelligent capability. This was actually our target feature of our thesis. Basically, we have tried to introduce the evaluation method of student-performance and the **feed back** of the student in the online quiz. Here, the questions are appeared according to the previous answer of that student. We have implemented it in our thesis and it works successfully in our system. In this system, an educational institute can make their examination procedure automated. It gives the opportunity to the authority to register teachers for different subjects and also give the facility to the students to register their courses for the examinations using the OIQS. Though this is a MCQ based quiz system but it is a perfect MCQ based online quiz system that gives a lot of facilities to the users, as a modern quiz system should have. This system is designed basically for the educational institute but also can be developed for other examination systems like job interview, quiz contest and for other criteria.

**Bonafide Certificate**

Certified that this project report ‘quiz model based on categories with improvement suggestions’ is the bonafide work of “S.Srihari, K.Mahesh, D,Ramesh, V.Sivanjanesh” who carried out the project work under supervision.

<<Signature of the supervisor>>

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