**“PF PROJECT PROPOSAL”**

**NAME:** Shameer Hayat.

**COURSE:** Programming Fundamentals (PF)

Project Title:

**“Automated Quiz.”**

This program is about an online quiz. In this program the system displays to the student various

subjects and questions for each of the subject. Then the user answers the questions and finally

system displays the marks of the student in a quiz. The details of the various modules are as under;

1. **[20 Marks] Subjects Management**
2. Create different (4-6) subjects.
3. Save at least 30 Multiple Choice Questions(MCQs) for each of the subject
4. For each question, save the following information

c.1. the question (description/ statement).

c.2. four options to answer the question.

c.3. the correct answer.

1. **[40 Marks] Taking the Quiz**
2. Read name of the student in order to save it for later use.
3. User should be able to select various subjects (from the available subjects).
4. User should be able to select a number of questions (5 - 10) for each subject.
5. The system should be able to randomly generate the quiz i.e. for each subject

each time the system displays a different set of questions.

1. In displaying a question, the system displays the question (statement) and its

multiple choices as (a, b, c, d).

1. User then selects an option for a particular question.
2. If the corresponding answer is correct the user proceeds to the next question

and does the same.

1. If the provided answer is not correct then the system displays its correct answer

and then proceeds to the next question.

1. During this process, the system maintains the score of each student (you may

assign some marks say 10 for each of the correct answer)

1. Display the total score of the student.
2. Save marks of each student for a particular quiz in the file for later use.
3. **[20 Marks] File management**
4. Maintain text files of all the data either provided by the user or modified later

on.

1. **[20 Marks] Error Handling and online Help**
2. At each level
3. If some information is not present in the database, it should display proper messages.
4. If a wrong input is entered or some mistake is being done by the user, the system should assist the user to correct that mistake.

**Required Artifacts:**

1. Flow charts (a separate flow chart for each module)
2. Pseudo code.

Source code.

THE END