

## **Examination System**

Construct an Automated System that can perform Exams and build SQL database for such system.

### **Requirements:**

- ERD
- Database Dictionary
- Stored procedures
  - Select ,Insert update and delete in any table
  - Exam generation
  - Exam Answers
  - Exam Correction

### **DB will help ITI staff to see the following Reports:**

- 1. Report that returns the students information according to Department No parameter.
- 2. Report that takes the student ID and returns the grades of the student in all courses.
- 3. Report that takes the instructor ID and returns the name of the courses that he teaches and the number of student per course.
- 4. Report that takes course ID and returns its topics
- 5. Report that takes exam number and returns Questions in it
- 6. Report that takes exam number and the student ID then returns the Questions in this exam with the student answers.

### **Hints:**

SQLServer

SSRS

PowerBI (Dashboards)

Social Network (facebook or Twitter) Connected with PowerBI

Desktop Application (Bonus)