Test Project - India Skills 2018

Topic :- **Placement Management Application**

Introduction :
Every educational institution provides placement after the duration of the course completion.This project aims at automating the placement process.

Roles:
1. Student
2. Admin, who controls the placement process.(Super user)
3. Co-ordinator (Only admin can add coordinator).

The application has to have login/signup functionality with password stored in encrypted format(E.g.MD5)

Functionalities :

1.signup only for new coordinator(to be added by the admin ONLY).

2.Login for admin, coordinator and students.

3.Change password.

4.Validations for all fields(using :javascript/jquery)

There are totally, 5 modules in the project, each of it is explained clearly below.

Module-1 : Student
This module totally deals with student module.
Functionalities -
1. Enter student details like name, marks as shown in wireframe and store in the database.
2. Must be able to add, delete,update student records
3. Upload a list of student details(eg csv)
4. Download the list of students.

Module-2 : Partner
This module deals with partner companies like Microsoft, Google etc, which come to hire students from college.
Functionalities -
1.Enter company details into the database like, name, contact details.
2. Must be able to add, delete, update partner records.

Module-3 : Demand
This module includes the requirements given by the companies and this has to be checked against the students data in the database and all the eligible students have to scheduled for the drive.
Functionalities-
1. Able to add, delete and update any demand form.
2. Compare student vs company requirements(E.g 10/12 marks, skill set etc).
3. Broadcast the demand so that all eligible students get notification.

Module-4 : Drive

This module deals with scheduling the eligible students for a particular drive by a company. The students have to be schedules for various rounds conducted by the companies in order to hire them like - written/communication round, technical round, HR round etc. by mentioning the status against each candidate like

1. Rejected - if he/she fails to clear any round
2. Cleared - if he/she cleared a particular round
3. No show - if he/she fails to attend to the interview drive
4. Offered - if he/she is offered the job.

Module-5 : Reports

This module deals purely with reports like

1. Details of all the trainees with 10 marks more than 90%
2. All drives between one date to another

All the reports have to be downloadable (e.g. csv)

Software Specifications(as provided to competitors during worldskills 2017)

1. Windows 10
2. JDK 8
3. Eclipse Neon
4. Netbeans 8.1
5. Window Builder pro
6. .NET framework - 4.6.2
7. Visual Studio
8. MYSQL community server
9. MYSQL connector/J(JDBC driver for MYSQL)
10. MYSQL connector/.NET(Driver for MYSQL)
11. MYSQL workbench
12. office.