



# **UNIVERSITY PORTAL**

## **(DBMS PROJECT)**

### **Members:**

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### **Course:**

Database Management Systems Lab (BM)

# **TOPIC**

## **UNIVERSITY PORTAL**

### **PROBLEM DESCRIPTION**

There are a number of peoples in a University having different roles. Management, teachers are student's most important part of the university and it is not easy to manage and maintain all the data or records accurately of these stakeholders. So, the university portal is the best way to maintain the record and also allow the different users to see, update, add or delete the data and communicate with each other. The management easily adds the new student or new faculty and has the right to manipulate their records. The faculty member can communicate with their students and see the record of students and also mark the attendance. The students can see the announcement from the teacher, check their registered courses, grades and attendance also. The university portal not only allows to do business easily but also saves time, manual paperwork, and manual workforce which can help to reduce the cost and save the data accurately.

### **INFORMATION NEEDS**

The information needs to solve the problem:

- The users should firstly sign in to access the portal system.
- The portal allows posting an announcement for communication with students.
- The admin has only the rights to add or remove the student or faculty member.
- Only the management member changes the record of the students and faculty.
- The required information can easily be searched from the database.

- The portal allows the teacher to see the contact information of the students registered in their courses.
- The portal can assess by multiple users at the same time.
- The record to display may lie in two tables so the portal can join the tables and fetch data accordingly.
- All the records must be updated from all places to see the current and right information.

## **INITIAL LIST OF ENTITIES**

The following are the initial entities:

- Login
- Admin
- Faculty
- Students
- Course
- Announcement
- Attendance

## **DISTRIBUTION OF DUTIES**

System Analyst: Aliyan and Arsalan.

Logical Database Designer: Arsalan and Aliyan.

Database Developer: Arsalan.

Database Integration with Front End: Arsalan.

Documentation Writer: Aliyan.