PROJECT TITLE: Student Management System

TEAM NUMBER: 6

TEAM DETAILS:

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Project description:

The project focuses on automating the various academic and administrative tasks of an institute and avoiding time consuming paperwork. This project is an expansion of pre-existing student management systems by incorporating more features. We aim to reduce the cost and work force required for this job. The online platform also makes the information globally present and interactive. The primary users of the system are teaching faculty, administrative staff and students.

The functional requirements are:

- Administrative
  1) Student registration system
  2) Attendance system

- Academic
  1) Grading and evaluation system
  2) Assignment system

Student registration system: By online registration system, the students can register online rather than taking multiple forms from the institute and filling them. The system will form a structure where all students details will be filled. It will have fields regarding personal information such as date of birth, address and details about previous education. After registration information will go to admin for authentication.

Attendance system: The current attendance systems present in institutes involve faculty noting attendance manually. This is a time-consuming task, especially when the class size is large. By using facial recognition technology in an attendance system, the task of taking attendance can be automated, thereby allowing faculty to utilize class time in a more efficient manner.

Grading and evaluation system: The students can login to the Results portal using their respective Register Numbers and passwords. A list of subjects taken by the student will be displayed, the student can view the marks/grades of each subject. At the end of the semester, the CGPA of the student will be calculated and displayed.

Assignment system: Students can view the assignments that haven been given by faculty. This includes all the details and requirements regarding the assignment, including the due date. Students can upload the completed assignments of the respective subjects onto the online portal.

Plan of Work:

Short term plan:

1) Architecture – Specify the programming languages to be used, overall design and use of any templates/ boilerplates

2) User Interface – Define the way users interact with the software and how software responds to the input

3) Platforms – Define the platform on which the software will run

4) Prototyping – Creating skeletal versions of the various functionalities and assessing if integration is possible.

Team member contributions:

Apoorva – Working on the student attendance system

Alheena – Working on student registration system.

Safiya – Working on student grading and evaluation system.

Poojitha – Working on the assignment portal