

IT 314
SOFTWARE ENGINEERING
GROUP 6
AUTO ATTENDANCE

INDEX

- 1. Need**
- 2. Features**
- 3. Functional and non functional requirements.**
- 4. Use case diagram**
- 5. Process Model**

1.Need

- 1) It saves user time, cost and institute resources.
- 2) The system is helpful as it generates a systematic overall report of every class attendance.
- 3) It maintains the record in a large database instead of the conventional method of maintaining a register or a biometric attendance, which further simplifies the process of searching for a particular record.
- 4) It provides accuracy.
- 5) This web application records data automatically.
- 6) To provide a good analysis for students as well as for professors to view the student attendance data.
- 7) Helps the student to be punctual as there is specific duration to mark the attendance.
- 8) Helps to lessen the paper-work and human efforts.

2. Features

- 1) Provides a separate login page for students and Instructors.
- 2) Instructors can create a new course and instructors can submit the student information in the portal to enroll that student.
- 3) During a lecture, Instructors can open an attendance frame for a specific period of time and during this period, students can mark their attendance.
- 4) Students will be able to view which lecture he/she has taken and which is missed.
- 5) Instructors will be able to view the dashboard of the attendance of students of each lecture and in each course.

3. Functional and Nonfunctional requirements

The functional requirements are as follows:

- 1) To provide a separate login feature for student and instructor.
- 2) Instructors will be able to create a new course and submit the student information in the portal to enroll that student.
- 3) Students will get enrollment confirmation mail for that course.
- 4) Students will be able to see their attendance graph.
- 5) Instructor will be able to specify the time frame for attendance.
- 6) Students will get mail which consists of a link for marking his/her attendance.
- 7) Instructors will be able to make multiple courses and can see the attendance graph for each course.

The non functional requirements are as follows:

- 1) The website should store the data securely.
- 2) The website should be responsive to the screen size.
- 3) The website should remain up 24*7.
- 4) The website should support all modern web browsers.
- 5) Multiple users should be able to access the website at a time.

4. Use Case Diagram



5. Process Model

- 1) The process model that we had decided to use is the waterfall model.
- 2) The reason for using this is that our project is small and our requirements will not change frequently.
- 3) Waterfall model is simple to use.