**inSight 2017**

**Department : Computer Science department**

**Problem Title : Attendance validation**

**Problem Code : PS04**

**Problem Description :**

There are certain situations like placements for the 4th year students; various technical events cultural events, etc. where in students have to participate. These students tend to miss their classes. Since there is an eighty five per cent (85%) attendance constraint in SIT, the students taking leave from classes for genuine reasons must get attendance for them.

An application which would enable the students to raise request for the attendance to the HOD with provision for the HOD to validate the genunity of the request and then grant the attendance.

The faculty handling the subject should come to know that the request has been approved and give attendance to the student, i.e. the app should involve student, faculty and the HOD as the end users.

**Proposed solution:**

The solution for the above described problem statement can be found by creating an application which has a different login for the faculty, HOD and the student.

The student login should ask the student his name, USN and then the technical, cultural or any other event which the student is attending along with it the class which he/she is going to miss during that event.

The HOD should be able to know the event attended by the student and the student USN. the HOD should be able to check the genuinity of the event by knowing the current events which are being conducted in the college at that particular date and time. By checking the genuinity, then the HOD can grant the permission for the student which should be updated to the corresponding faculty.

The faculty should be able to access the HOD permission to know whether the permission has been granted for the student to give attendance and as well as the student’s USN and mark the class missed by the student.

**Technology Stack:**

Android Studio can be used to create the application with different login pages for different users.

**Use Case:**

**Student**

**Faculty**

**Yes**

**HOD**

**Team Members details:**

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| --- | --- | --- | --- | --- |
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