**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 genuineness 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:**

We are solving the above problem with the help of database management and android to develop an application. In the database system we store:

* Student details with student name, USN, section, registered subject codes
* Faculty details with faculty name, faculty id, department, subject codes handled by him/her and branch and the sections with the year
* Time table of every section.

Every event coordinator has to register their event with date and time schedule. After the event, the coordinator has to enter the list of students attended. The system will find match for USNs of CSE department and store.

A student can request for attendance by entering the event he/she attended. The request will be sent to the HOD.

The system matches the requested USNs with USN list given by event coordinator. HOD will verify the valid requests and pass them.

According to the student details and time table on the day of event, the message will be sent to respective faculties. Here the branch of the student is found using USN.

**Technology Stack :**

* Database management system
* Web Designing
* Andriod Studio

**Use Case:**

In the application we design, basically it contains four end users. First user is the Student who requests for the attendance by mentioning Event name and Date of Event by logging into the portal using his USN and Password, Second user is the Event Coordinator who Firstly notifies about the event before the event later updates the list of USNs of the Students attended the event, Third user is the CSE Department HOD who verifies whether the requested student has attended the Event and direct it to the faculties, Fourth user is Faculties who gets verified list of Students from HOD who attended the event and updates the attendance of the Student.

View attendance

STUDENT

FACULTY student details

Time table

EVENT COORDINATOR HOD

Event info

**Team Members details:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Role** | **Name** | **USN** | **Email id** | **Phone no.** |
| Team Leader | Priyanka M B | 1SI15IS039 | Priya24gowda@gmail.com | 9731470747 |
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