**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:**

1. It is very essential to balance the lab classes and college events in order to avoid any chaotic situation among student as well as faculty members.
2. So, there are some possible solutions which were considered the most by students and boiled down in this context.
3. Students must send their concerns in form of request applications regarding their attendance and also specify the proper reasons.
4. After that, HoD will verify these applications and decide upon their requests based on how genuine the reasons are, thus giving his/her decision to accept or reject their applications.
5. If in this case, concerned students’ application is related to the lab sessions than automatically he/she will be allotted on other days batches for compensation . This way, they will not suffer from the attendance and also get merged with other group and continue with the study curriculum.
6. This would be a big benefit as, they don’t need to approach manually to different lab incharges and request for the compensation.
7. Thus, an automatic attendance management application would provide the students an opportunity to balance between the college events and classes without any bedlam.
8. This is the peak time where students need to compromise with the soft skills attributes like leadership abilities, team work, interpersonal and social qualities.
9. Apart from the regular classes, such skills are also important for one to survive in the competent workplace and thus, everyone must get the collegiate support and earn the benefits from it.

**Technology Stack :**

**Languages:**

* PHP
* HTML
* CSS
* JavaScript

**Use Case:**

HOD

REQUEST

Lab class included

NO

Respond to the application

yes

Respond to the application

ALLOT THE COMPENSATRY LAB SESSION

NOTIFY THE ASSOCIATED FACULTY

**Team Members details:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Role** | **Name** | **USN** | **Email id** | **Phone no.** |
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