**inSight 2017**

**Department : Computer Science department**

**Problem Title : Automated schedule tracker**

**Problem Code : PS05**

**Problem Description :**

The students meet the faculties every now and then and there is a high probability that they have to wait for the faculty since he/she is not free at that particular time. In order to avoid this application should be built in such a way that all the faculties or the people in the office (admin/main office) update their schedule. The calendar will be designed in such a way that it will reflect the timings when faculties are available and hence avoid the waiting time. Depending on the faculties free slot, the students may request a meeting. The meeting should be scheduled only if the faculty confirms .This application will be useful any official (including the principal) in the department. This should keep both student and faculties informed about all the schedules that they need.

**Proposed solution:**

*From what we gathered about reading the Question was the fact that there is the need for interaction between the two parties i.e. the concerned faculty and the interested student*

*So the best way of communicating in today’s scenario is through internet hence we decided*

*To make a web portal which will help the concerned faculty to interact with the student.*

*HOW IT WORKS:*

*In the beginning it will ask if the person accessing is a faculty or a student. Under Faculty it will ask for teaching staff or office personnel. For teaching staff, all the faculties will enter their time table in the portal which will be stored in the back end (i.e. database). This database will have the free time and the lecture hours of the professor. On the student side the student will select the respective faculty and add a request to meet the faculty on addition a small abstract of their problem on the provided menu. Now when the faculty is free he will log in to the portal and see the requests by the students and can respond to the requests by an automatic reply message indicating to the students the feasible time for their doubt clarification. As for the Office staff they can update a provided status bar as FREE or Not FREE and a message indication the time slots for the respective office operations like registering for subjects, or paying the fees, or collection of marks cards for different semesters etc. This notification will be delivered to the students who have requested the assistance.*

**Technology Stack:**

*Web technologies like HTML, CSS, JavaScript, JQuery etc. for the front end development of the page and SQL for the Back end database support will be used be used to develop the time table schedule for the faculties.*

**Use Case:**

*(In this section, provide the use case scenario i.e. how your software is going to work. In this section you should include use case diagrams as well. If you don’t know what a use case diagram is google it. This would also include the work flow of your software.)*

**Team Members details:**

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