SEN Project Proposal

Group 2

Integrated Campus

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Version 1.0

Content

Purpose, Scope and Objective:

One of the major problems faced by all the academic institutions across the nation is the lack of a proper digital portal which integrates the various facets of academia.

Having different platform for different kind of information increases the work load for both students and faculties. If there can be one common platform where one can get all relevant information intended for oneself (which also reduces the unwanted spamming) it can be advantageous for both.

Present academic portals are basically one way that actually fails in touching the most important thing of academics which is interaction whether it is between students or faculty. The project we will be working on will touch these interaction problems from many dimensions.

Getting regular feedback from students, providing them continuous analysis of their performance, helping them in their selection of courses, connecting them with their seniors, etc. are some of the features that we will be working on.

The project brings together the various dimensions of academia with added features (described later in this report) to make study more intuitive and less cluttered.

Project Description

Overview:

Integrated Campus would be a web based platform that would have four broad profiles as follows:

- Student
- Faculty
- Groups
- Admin

Each profile would be facilitated with the following modules:

- Notice Board Module

- Time Table Module

- Survey and Polls Module

- Course Module

- Analysis Module

It is up to an institute how these modules can be utilized based on their requirements. For example in case of DA-IICT the 'Survey and Poll module' can be utilised in a group "Elective" wherein students can express their tentative course registrations and this data can be used for the slot distribution.

These are the broad ideas about the application and could be refined later during different phases of software development.

Features:

Notice Board:

Provides an integrated panel for the information pushed by different groups or faculty. All clients will have individual personalized notice board. Instead of universal noticeboard we decided to go with individual notice board to reduce spam notifications. The notice board will include all the updates and posts related to their courses registered, groups added, and faculty updates.

As students, their noticeboard will include all the posts posted by other students in courses subscribed or groups they have registered. Their noticeboard will also include updates posted by faculties whose courses they have enrolled in and admin updates.

As faculty they will also be having their individual notice board which will include only those posts which are directly addressed to them by an individual.

Time Table:

Provides a personalized timetable to each student specifying information related to the courses or groups they have opted for. This module is user specific. Students tend to miss lectures due to spoiled information of lectures being held on specific days. Module generates a complete timetable that fulfils student necessities very fast. Whenever a change in lecture/lab made by faculty or admin is directly posted to his/her timetable module. Student will get updates from those courses only for which they are registered. In this way, it reduces the amount of irrelevant information being delivered to students.

Survey and Polls:

This module will include polls and surveys created by group, admin or by faculty members for course related issues and for regular feedback from students. For example it will be helpful in creating slots of courses offered in subsequent semesters as the academic committee will have an idea of the courses the students want to opt.

Also it will be helpful for professors as they can take regular feedback from students and can plan the course accordingly.

Courses:

Provides course specific materials and resources, forums for interaction between students and faculty. For each course we will be developing a webpage, which will contain the following information related to the course

- Course details for present academic year :

  Every student registered can see the following details

  - Students registered
  - Faculty associated
  - Concerned Teaching Assistants
  - Faculty updates which include
    - Course Material
    - Books referred by faculty
    - Material associated with labs if any
    - Changes in lecture schedule or cancellation of lectures
    - Announcements related to quizzes, feedback questions, uploading of marks etc.
  - Doubt clearing forums for interaction within students and students and faculty.
  - Popular online resources available for the respective course

Records of previous years of the course will be maintained, until removed by admin, which will be accessible to all the users of the website. Courses page will have a short introduction about them so that student can refer it before enrolling.

Analysis:

It shows year wise records of performances of students and also shows a cumulative analysis of the same. The results can also be seen by the students. Also, the faculty can see every student's result and performances in a particular course. The faculty can also see their own feedback and rankings for the courses they have taught. The logged in student can only see his/her own result whereas the faculty can see every student's result. Also a detailed analysis of their performances over the years would be available.

Target Groups:

As per now, considering the scope of our project, the target audience will be

- Students
- Faculties
- Groups/committees.

Project Timeline[i]:

Deadline	Phase
8th January 2013	Project Planning
10th January 2013	Topic Finalization
16th January 2013	Submission of Proposal
6th February 2013	Requirement Gathering and Analysis
16th February 2013	Design Phase
16th March 2013	Implementation (Coding Phase)
23rd March 2013	Testing Phase
3rd April 2013	Integration Phase
8th April 2013	Submission

Team Profile:

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[i] Tentative Timeline, can be changed according to the requirement of different phases.