

Course Helper

CS654A Project: Proposal Presentation

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March 12, 2016

Introduction

Through this project we intend to help students of IIT Kanpur in choosing the right courses during their registration in order to optimally complete their degrees as well as make the most of their stay in the college by opting for the right courses at the right time.

Objectives

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- ▶ Course Recommendation

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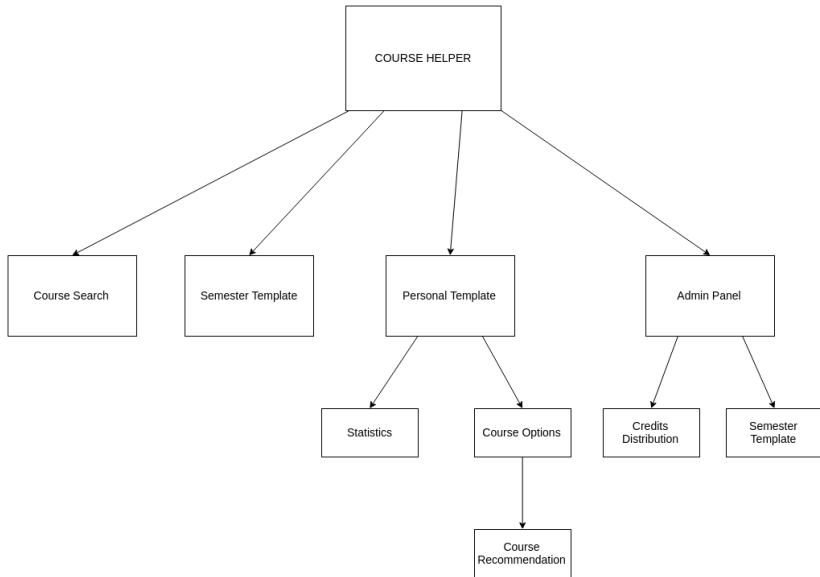
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- ▶ Adding search filters on course lists

Future Work

- ▶ Course Recommendation
- ▶ Course Reviews
- ▶ Full OARS integration

Logical View



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This solution will have 2 end users: (1) Students and (2) Administrator. Here is the description of the modules:

Course Search: Accessible to the student user, next semester course list with search filters

Semester Template: Accessible to student user, departmental template for next semester (assigned by Admin)

Personal Template: Accessible to the student user, will contain information about the remaining credits that have to be done by the student to complete his/her program. Will also contain a course recommendation system.

Admin Panel: Accessible to the admin, to assign credit distribution and semester wise template for all departments.

Platform and Technologies

User end: An android application with some API to send HTTP requests

Server: The backend will be built on Django framework

Data: All the user data used will either be directly input by the user or read from the OARS profile of the user if the user permits

Timeline

- ▶ Week 1: Basic app with OARS login and web interface for admin panel

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- ▶ Week 3: Department Template and Course Search for android app and complete implementation of the admin panel

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- ▶ Week 3: Department Template and Course Search for android app and complete implementation of the admin panel
- ▶ Week 4: Course Recommendation

Questions and Recommendations?