

# Course Helper

CS654A Project: Proposal

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## 1 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.

## 2 Objectives

### 2.1 Primary Objectives

- Enlisting remaining credits
- Enlisting courses corresponding to the department template
- Adding search filters on course lists

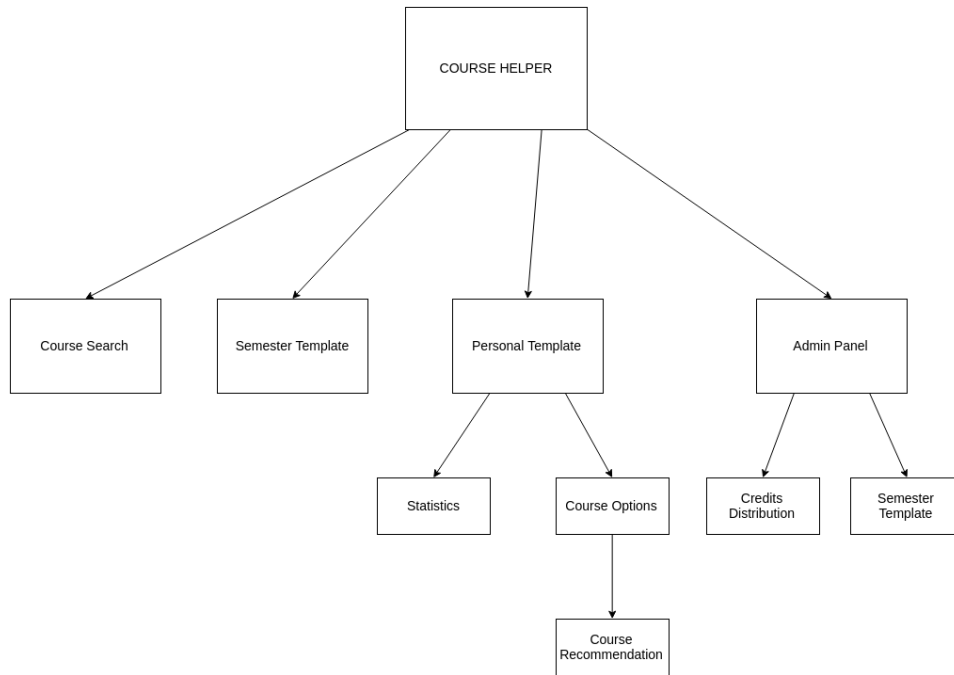
### 2.2 Future Work

- Course Recommendation
- Course Reviews
- Full OARS integration

## 3 Platform and Technologies

This software will be implemented as an Android application, communicating through HTTP requests to the backend built on Django framework.

## 4 Logical View of the Architecture



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.

## 5 Timeline

- Week 1: Basic app with OARS login and web interface for admin panel
- Week 2: Personal template from OARS
- Week 3: Department Template and Course Search for android app and complete implementation of the admin panel
- Week 4: Course Recommendation