

**COURSE MANAGEMENT SYSTEM**  
**PROJECT PROPOSAL**  
**EC6060**

**GROUP MEMBERS**

**2018/E/028**

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## **Problem Statement**

Normally all universities have few departments and each department offer lot of courses. Some courses are offer for the students who under that department. Some courses are common for the few departments. Sometimes senior and junior both students are enrolled same courses. Some subjects are defended on previous subject's grades. So these courses are interconnected. When student enrolling the course his academic adviser should approve the enrollment. Lectures and course coordinators should get to know, who are the student enrolled their courses. Due to these reasons enrollment process little bit complex. So now a days many universities use computer based applications to handle this enrollment process. Faculty of Engineering, University of Jaffna also had introduced web application for that. But it is defend on expensive 3<sup>rd</sup> party technologies and unable to provide smooth user experience.

## **Solution Statement**

To overcome these problems, we planned to develop a web app that can use by lecturers, administrators and students.

Through this web app;

- Head of departments can handle courses (add, remove, edit) which are planning to offer for a semester. For an example they can manage elective courses for a semester.
- Lecturers can acknowledge students details who are following their courses.
- Students can enroll for courses with a better knowledge of course model and per-requests.
- Student able to know full detail about the course
- Academic adviser should able to approve or reject student's enrollments.
- Administrator can handle student details related to courses easily.

## **Vision**

Providing a smooth, secure and user friendly web application to handle the course enrollment process for the Faculty of Engineering, University of Jaffna.

## **Competitors**

Currently our faculty use web application based on expensive third party applications. Most universities use their own applications for this.

## **Stack holders**

- Students
- Lectures
- Academic advisers
- Department administration
- University administration (senate)

## **Functional requirements**

- University administration should able to add new courses
- Both university and department administration should able to edit courses (prerequisite etc.) and to select offering course list.
- Web application should able to access students past grades and student details to determine whether they have prerequisite for each course.
- Student should able to enroll courses which they need.
- Academic advisers should able to reject or approve enrollment.
- Administration should able to view enrollment detail
- Lectures and course coordinators should able to view detail about student who have enroll their courses.

## Use-case diagram

