School of Computing  
CA326 Year 3 Project Proposal Form

**SECTION A**

Project Title: Web-based Student Project Management Systems

Student 1 Name Shabb03 ID Number: \*\*\*\*\*\*\*\*

Staff Member Consulted for supervision: Dr. \*\*\*\*\* \*\*\*\*\*\*\*\*

Project Description

**Introduction**

The current CA326 module is a project-based module which does not have tools or shortcuts apart from the school of computing’s Gitlab and DCU emails, but it would be more efficient to have a system dedicated to making the module more organized and easier to complete as well as viewing the deadlines or timetables rather than having to check or write it down.

**Outline**

The goal of this project is to develop a Student Project Management System with a web-based front end.

**Background**

Assigned Default Project

**Goals**

The systems should have the following functionality.

* Proposal submission

Student should complete a project proposal online. The proposal can be saved in draft form and subsequntly reopened for further editing. When the proposal is finalised an email is sent to the indicated staff member for approval. If not approved, the proposal reverts to draft form and an emil is sent to the students to notify them of the staff members comments.

* Proposal approval

Each staff member will see a list of proposals waiting for their approval. If the proposal is approved by the staff member it is recorded in the system adn a confirmation message is sent to the students. If the proposal is not approved, the staff member can record some comments on the proposal, which will be included in the notification email sent to the students

* Supervision Meetings

The system should allow for the electronic entry of Project Supervision Forms.

* Demonstration Scheduling

The system should automatically generate a timetable for the project demonstrations given a set of constraints entered by the Project Coordinator. These constraints will include:

* + Available time slots
  + Staff availability
  + Number of Assessor per project
  + Provision for lunch break
  + A set of demonstration venues
  + Maximum number of concurrent demonstrations per venue
* Project Marking

The system should allow the Assessors to complete an electronic Project Marking Form.

* Report Generation

The system should generate the following reports:

* + Status Report

A list of all the submitted projects and their current status:

* + - Proposal submitted // Proposal approved // Proposal rejected // Functional Specification submitted // Documentation submitted // Project marked
  + Project Demonstration Timetable
  + Individual Project Status Report
  + Project Results Report
  + Project Description
  + Project Search

**Programming language(s) and tools**

Database: MySQL

Back-End: Django.py

Front-End: HTML, Bulma CSS, Node.js

Postman

**Breakdown of work**

Student 1: All of the work