Project Plan: Student Progress Analysis

1. Introduction

This document lays out the plan development of “Student Progress Analysis” by Team 05. The plan will include the scope and goal of our project, project risks and risk mitigation, and the intended users for this application.

2. Overview

Nowadays, students are having a hard time deciding courses for their degree. They have no idea which course is best for them. Even with the help of course guidelines provided by the University, they faced a dilemma making choices with a sense of insecurity and uncertainty. We aim to develop a Web-based application that would enable students to search through student course completion data to identify the grouping of courses that students take around the foundation programming course. Students will have access to useful reports or graphs, which will be useful for choosing the core pathway for their success.

2.1 Customers

All computer science students and course coordinators.

2.2 Functionality

- Users should be able to add new course and grades
- Users should have access to graphical reports of course prediction and/or potential career path
- Users should get useful reports such as the relationship between courses and best course path for different degrees
- Users should have a graphical report of a desired course showing its prerequisites and dependency courses.
- ….
- ….

2.3 Platform

It will be launched as a Web-based application

2.4 Development Responsibility

Who	Responsibility
Shuchen Wu	UI & UX design, web front end developing
Yiwei Zhang	Web backed developing
Lei Jin	
Yen You Chew	Processing the data (ML Algorithm)

3. Goals and Scope

- Users should be able to add new course and grades
- Users should have access to graphical reports of course prediction and/or potential career path
- Users should get useful reports such as the relationship between courses and best course path for different degrees

- Users should have a graphical report of a desired course showing its prerequisites and dependency courses.

4. Deliverables

We will deliver the following during the course of development:

- Feature specification
- Product design
- Development document
- Source code

5. Risk Management

5.1 Risk Identification

Students can book a meeting time with ECMS or course coordinator to find some help with the enrollment. What makes them want to use our application?

5.2 Risk Mitigation

Even though most users can book a meeting with ECMS, our application offers many things.

1. People who are introverts don't really like going out to meet with people. They feel uncomfortable. Our application allows them to solve their problem online.
2. Sometimes, users don't want to share their grades with others, especially the course coordinator. They might feel ashamed. In a sense, using our application provides privacy.
3. Users can use our application wherever and whenever they want. Users don't have to be stuck in a certain time or place.

Scheduling and Estimation

Milestone	Description	Release date

Technical Process

We would use the following languages to develop our application.

Front-end development:

Back-end development:

Algorithm: