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Module Code: PUSL2021	Module Name: Computing Group Project
Coursework Title: University Guidance – Project Proposal	
Deadline Date: 25/10/2023	Member of staff responsible for coursework: Mr. Pramudya Tilakaratne

Programme:
BSC (HONS) IN SOFTWARE ENGINEERING (PLYMOUTH UNIVERSITY – UNITED KINGDOM)

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Group work: please list all names of all participants formally associated with this work and state whether the work was undertaken alone or as part of a team. Please note you may be required to identify individual responsibility for component parts.
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Signed on behalf of the group:

Individual assignment: *I confirm that I have read and understood the Plymouth University regulations relating to Assessment Offences and that I am aware of the possible penalties for any breach of these regulations. I confirm that this is my own independent work.*

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Overall mark _____%   Assessors Initials _____   Date_____

Table of Contents

Higher Education guidance web application with chatbot

Project Overview

In the modern day, students who finished their A/L's get confused about what they are going to pursue in higher education. Most students visit universities to get information or visit their websites to refer to course content. Some students seek information from alumni about the degree programs they are interested in, while some have no idea about what they are going to do in the future. Around the world, various types of websites provide these services to international students, but we noticed that in Sri Lanka the lack of these services has led our students to confused and complicated situations. To address these issues our project team has decided to implement a website with the aid of an online chatbot to give information about the field of study according to the topics that they are interested in.

Chatbot will ask the user about their preferences or topics that they are interested in and conduct a survey then it will suggest the jobs that are available in the market. User will choose a job that they are interested in and then the chatbot will give relevant information about the degree programs that are available in the universities to pursue in their future careers. Users can click any of the available degree programs and a new tab consisting of information relevant to the degree program will open. Then the users can view the course content to get an idea of the degree program. We decided to add Google reviews that were posted regarding the universities, and we are going to develop a special review system to rate the degree programs. To rate the courses the users must connect through LinkedIn profiles to share their experiences about the degree programs. We have enabled an option for users to give their feedback about our service so we can improve our chatbot.

Project Objectives

- Providing a platform to help students decide on the degree programs they wish to pursue with their passions.
- Students be able to pursue their dream careers by following relevant degree programs.
- Parents can get an idea about what's best for their children's higher education.
- Lecturers can get an idea about the leading universities and apply for job opportunities by analysing it.
- By utilizing reviews and feedback from the users, staff members and administrators of universities can identify strengths and areas for improvement in their degree programs, enhancing the overall quality of education.

Target Users

1. Main Target Users

- **Students** - Students can get an idea about the job market and trending degree programs in the country.
- Able to find the best university to study the relevant degree program.

2. Secondary Target Users

- **Parents** – Parents have an idea about the future of their children's academic life and new trends in different fields of the world.
- **Staff members of universities** – Be able to identify the pros and cons of their universities.

Main features and description

1. Chatbot

- AI-generated survey – students should carry on a conversation with the chatbot, and it will provide some questions for users to answer to get their ideas about their future careers.
- Information regarding degree programs – after completing the survey chatbot will give information about the degree programs that the users want to pursue.

2. Reviews

- Rating universities with Google reviews – we will rate the universities by examining their Google reviews for the users.
- Rating degree programs using our developed review system – Degree programs will be rated by reviews made by graduates through their LinkedIn accounts.

3. LinkedIn integration

- To post reviews regarding the degree programs users must connect their LinkedIn accounts.

4. Privacy

- Users' data will be prioritized and be encrypted and secured from any kind of security threats.
- Integration with Social Media Platforms - Allow users to share their progress and interact with the chatbot on popular social media platforms, facilitating discussions and knowledge sharing among students.
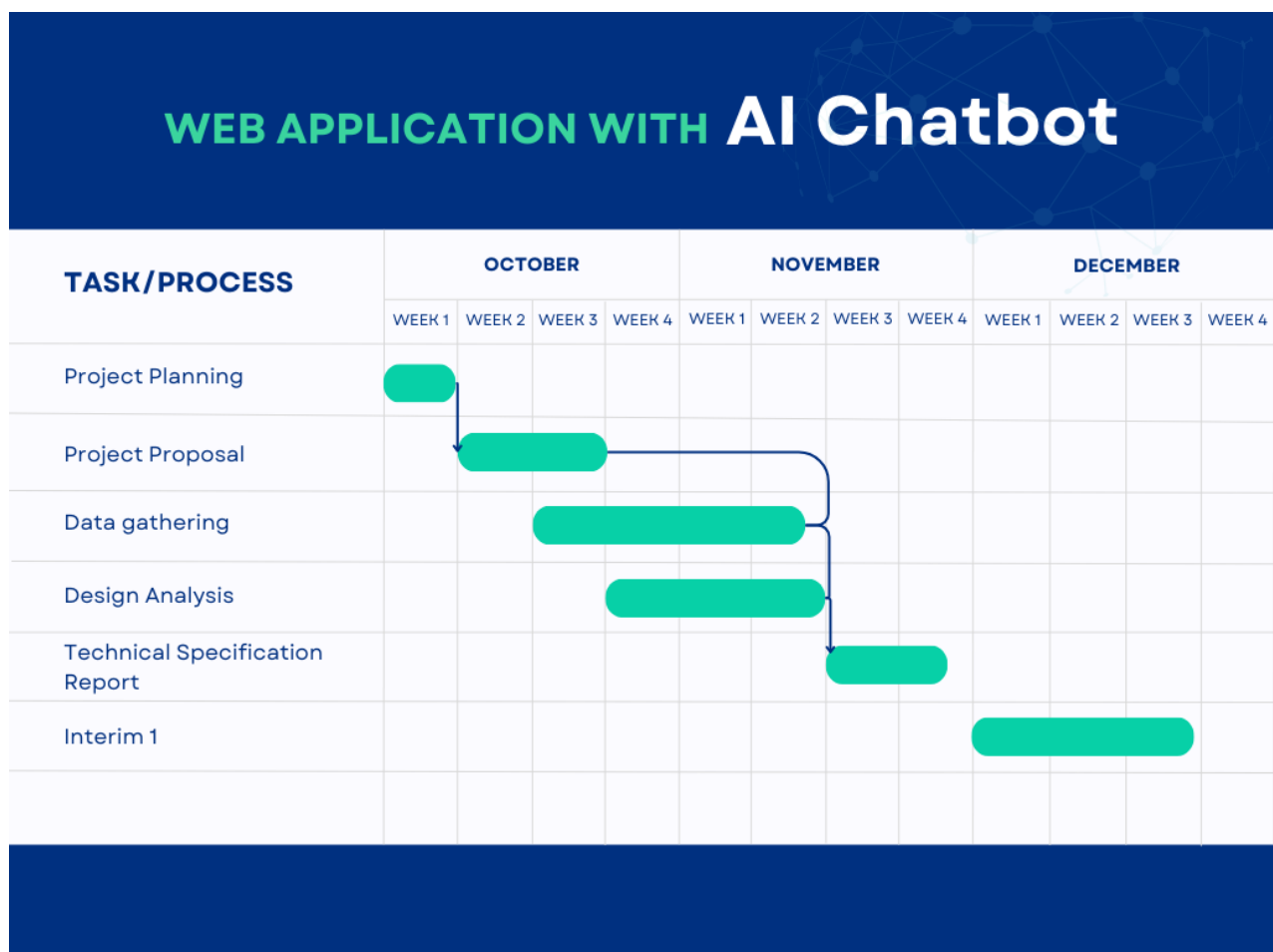
5. Feedback

- Users can give feedback about the service provided by our chatbot.
- At the end of the chat, the user will get a message from the chatbot about its assistance.

6. Responsive Design

- The website will be responsive to various devices such as phones, laptops, etc.

<u>Time Frame</u>

Semester 1

Semester 2

WEB APPLICATION WITH AI Chatbot

TASK/PROCESS	JANUARY				FEBRUARY				MARCH			
	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 1	WEEK 2	WEEK 3	WEEK 4
AI chatbot Implementation	██	██	██	██								
AI chatbot Testing					██	██						
Website Implementation							██	██				
Website Testing									██			
Integration and deploy AI chatbot with website										██		
Testing											██	
Debugging errors												██
Testing												
Project Submission												

WEB APPLICATION WITH AI Chatbot

TASK/PROCESS	APRILL				MAY				JUNE			
	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 1	WEEK 2	WEEK 3	WEEK 4
Debugging errors	██											
Testing		██										
Project Submission			██									