**Proposal for Orbital 2022**

**Team Name:**

[Please come up with a creative name for your team. Your team name should contain at least one letter.]

botMother

**Proposed Level of Achievement:**

[Vostok / Project Gemini / Apollo 11 / Artemis. Please read the descriptions of the levels of achievement on the Orbital website: <https://orbital.comp.nus.edu.sg/levels-of-achievement/>.]

Apollo 11

**Motivation**

[Please describe the motivation behind your project.]

When you’re stuck with a burning **question** in one of your modules, or just want **general advice** about the module itself, your current alternatives are friends, seniors and perhaps the IVLE forums.

Many may have reached the point where either their friends and seniors **don’t know** the answer, or it’s inconvenient to ask them, and the LumiNUS forums are either too **slow** a medium or it’s just strange to post your question there. The question is also **too module-specific** for Google to help you out. Also, you’re sure that someone has asked the question and gotten an answer before, so why isn’t there a record of it somewhere so you don’t have to waste time *asking the same thing again*?

**Aim**

[Please describe what you aim to achieve.]

We hope to make the Q&A process in forums quick and engaging through messaging platforms (e.g. Telegram).

**User Stories**

[Please describe what the users would be able to do with your system.]

1.As a student who has questions and problems with a module, I want to be able toask questions and get quality answers quickly.

2.As a student who is revising for exams, i want to be able to look at the goodquestions and answers of the module over the years.

3.As a student, teaching assistant or professor who wishes to help students, I wantto be able to answer posed questions in a timely manner.

4.As an administrator who wants to prevent abuse of the system, I want to be ableto identify abusers, warn them and ban them if they continue to cause problems.

**Features and Timeline**

[Please list down the key features of your system with a rough timeline for completion.]

The **Telegram Bot** provides a chat-like interface for students to ask questions and their peers, teaching assistants or professors to answer quickly.

A **Web-based forum** will share a common database with the Telegram Bot and provide the same functionality with a traditional non-chat-based interface.

Features to be completed by the mid of June:

The Telegram bot has limited features (cannot display all questions and answers, cannot comment) due to limited screen space and the potential notification spam.

1. 1.Telegram Bot
2. Allow users to ask, answer, vote on module-specific questions
3. Display **new** questions and answers

1. 2.Web-based forum
2. Allow users to ask, answer, vote and **comment** on module-specific questions
3. Display **all** questions, answers and comments

3.Mechanisms to collect datasets for analysis

Features to be completed by the mid of July:

1. 1. Gamification system
2. Reward users with points for good questions and answers

2. Providing recommendations with machine learning

**Tech Stack**

[Please list down the technologies that you are planning to use.]

1. Telegram API

2. HTML/CSS/Javascript

3. Python

4. MeteorJS + Express

5. Firebase

**Qualifications**

[Please elaborate on your technical skills and project experience of your team. This is required only for teams targeting at Apollo 11 and Artemis.]