Guidelines for Selecting Capstone Project

Description:

All fellowship students are required to complete a capstone project for the completion of a module. The project should be in line with the course undertaken and its content but does not necessarily have to be limited to it.

How to select the project:

You need to keep the following in mind while selecting the project:

1. Project Relevance:
- Ensure that the project aligns with the objectives and learning outcomes of the module of the fellowship program.
- Choose a project that is relevant to the field and its applications.

2. Clear Objectives:
- Clearly define the specific objectives and goals of your project.
- Specify the problem statement or task that your project aims to address.

3. Domain specific approach
- Select the project either from an academic approach or a product based approach.
- In the academic approach, you can focus on research and innovation, algorithm development, publication goals, open-source contributions, or experimental evaluations. In the product based approach, you can focus on building a product utilizing the knowledge from the module as well as trending research areas.

4. Complexity and Scope:
- Evaluate the complexity of the project and ensure it is appropriately challenging for your skill level.
- Define the scope of the project to ensure it can be completed within the available time frame.

5. Dataset Availability:
- Verify the availability and accessibility of relevant datasets or create your own dataset.
- Ensure that the datasets are appropriate for your chosen project and task.

Project guidelines:

- Conduct a thorough literature review to understand existing research and solutions related to your project topic. Identify gaps or opportunities for innovation in the chosen area.
- Assess the technical requirements of the project, including hardware, software, and computational resources.

- Please keep in mind that the project should demonstrate the knowledge as well as the coding skills gained by the project team members during the course duration. Also, refrain from simply submitting projects found on GitHub. Projects that are very basic and easily accessible on the internet will be disqualified.
- You are expected to use a version control(preferably Git and GitHub) throughout the completion of your project. The repository should contain proper readme documentation for reproduction of the project and proper commit messages.
- Individual marking will be done according to the commits by each team member.

Submission guidelines:

You are required to **make your repository public and submit a publicly available link**. The repository should be owned by one of the group members with the others as the collaborators.