

CSF-510 Application Development

Instructions for Project Proposal

Due Date: 10th November 2021

Marks: 5 marks

Towards the end of the semester, you are required to submit a Project which carries **20 marks**.

The objective of this course project is to build a **web-based application** to solve any real world problem. You can work with various Python libraries taught in the class.

Project Ideas

Below are some ideas that you can choose to work on:

1. **Dashboards:**

Web-based dashboards can be built using Python Flask library to visualize and analyze the dataset of your choice.



2. Text Processing tool:

Text processing is the way to extract valuable insights from the given piece of text. You can compute word count, visualize word frequencies, extract keywords e.t.c

3. Search Engine

You can use Web APIs from various websites such as Youtube, Coursera, Udemy, Open weather, stock trading (<https://finnhub.io/>) and build a search engine over it.

Project Proposal

Choose any interesting problem and submit a 1-2 page project proposal. The proposal should specify the following details:

1. List of Team members

The maximum number of team members allowed for this course project is **2. 3 members** are allowed only if the project is big enough.

2. Project Description: Describe the project idea you will be working on.

3. Dataset/Web APIs: Specify the dataset or web API you will be using in your project.

4. Python Libraries: Mention the list of python libraries you are planning to use in your project.

5. Features: Discuss the features of your web application.

Final Project Deliverables: **15 marks**

By the end of this semester, you are required to present your web application in class. The deliverables of this project include:

- A well-documented code
- Flask based Web Application