# PROJECT PLANNING MILESTONE AND ACTIVITY LIST

DATE	23 October 2022	
TEAM NO	PNT2022TMID52367	
PROJECT NAME	NATURAL DISASTERS INTENSITY ANALYSIS AND CLASSIFICATION USING ARTIFICIAL INTELLIGENCE	

## **PLANNING**

 Planning all the modules and features which are going to be implemented in this project.

# **REQUIREMENTS**

 The requirements for build the application includes Data for training the model and cloud service for hosting the application.

#### **DESIGN**

• The application design facilitates the user to upload the IR images of the tropical cyclone. Which will be send to the server via the POST request for estimating the intensity of the cyclone. The estimated inference will be sent back to the client application.

## DEVELOPMENT

 The development phases include collecting the dataset, building the model, designing the web application, building the APIs to facilitate the data transfer and finally deploying the model into cloud.

#### TESTING

 Once the model is developed it has to be tested for the different intensities of the cyclone. We have to make sure that the model is performing well on the data that it hasn't seen before. After finish building the model integrate the model with web application using flask APIs calls.

#### DEPLOYEMENT

 Once the application is built completely, we have to deploy the entire we application into the cloud using Heroku.

# **List of activities:**

TITLE	DESCRIPTION	DATE
Survey	Literature survey on the given selected project by referring the technical papers, research publications etc.	19 September 2022
Empathy Map	Prepare Empathy Map list to capture the user Pains & Gains, Prepare list of problem statements	19 September 2022
Brainstorming and problem statement	Organizing the brainstorming session and understanding the problems statement based on the feasibility & importance.	19 September 2022

Proposed Solution	Prepare the proposed solution document that includes the Problem statement, solution description, novelty, social impact, business model and scalability of solution.	19 SEPTEMBER 2022
Problem Solution Fit	Prepare problem - solution fit document based on the problem arises its causes and the available solutions.	19 SEPTEMBER 2022
Solution Architecture	Prepare solution architecture document to describe the project.	19 SEPTEMBER 2022
Customer Journey	Prepare the customer journey maps for understanding the user interactions & experiences with the application in the present state.	
Solution Requirement	Creating the functional and non-functional requirement document based on the project.	03 OCTOBER 2022

Data Flow Diagrams	Draw the data flow diagrams which represents the process.	03 OCTOBER 2022
Technology Architecture	Prepare the technology architecture diagram, also components and technologies for the further use.	03 OCTOBER 2022
	Prepare the milestones & activity list of the selected project.	29 OCTOBER 2022
Project Development - Delivery of Sprint-1, 2, 3 & 4	developed code by testing it.	In progress.