PROJECT PLANNING MILESTONE AND ACTIVITY LIST

PLANNING

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

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.

REQUIREMENTS

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

TESTINO

 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.

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.

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			
Literature Survey	Literature survey on the given selected project by referring the technical papers, research publications etc.			
Empathy Map	Prepare Empathy Map list to capture the user Pains & Gains, Prepare list of problem statements			

Brai nsto rmi	Organi zing	
ng and pro ble m stat eme nt		

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

	Creating	
Sol	the	
utio	function	
n	al and	
Req	non-	
uire	function	
me	al	
nt	require	
	ment	
	docume	
	nt	
	based	
	on the	
	project.	

Data Flow Diagrams	Draw the data flow diagrams which represents the process.			
Technology Architecture	Prepare the technology architecture diagram, also components and technologies for the further use.			
	Prepare the milestones & activity list of the selected project.			

	Develop	&	submit	the
Project	developed code by testing it.			
Development				
-				
Delivery of				
Sprint-1, 2, 3				
& 4				