Project Planning Phase
Milestone and Activity List

Date	4 November 2022
Team ID	PNT2022TMID24864
Project Name	Detection of Parkinson's disease using machine learning

TITLE	DESCRIPTION	DATE
IDEATION PHASE		
Literature Survey & Information Gathering	Literature survey on the selected project & gathering information by referring the, technical papers, research publications etc.	20 SEPTEMBER 2022
Prepare Empathy Map	Prepare Empathy Map Canvas to capture the user Pains & Gains, Prepare list of problem statements.	22 SEPTEMBER 2022
Problem Statement	List of problem in the project.	7 OCTOBER 2022
Brainstorm And Idea Prioritization	List the by organizing the brainstorming session and prioritize the top 3 ideas based on the feasibility & importance.	8 OCTOBER 2022
PROJECT DESIGN PHASE-I		
Proposed Solution	Prepare the proposed solution document, which includes the novelty, feasibility of idea, business model, social impact, scalability of solution, etc.	7 OCTOBER 2022
Problem Solution Fit	Prepare problem - solution fit document.	16 OCTOBER 2022

Solution Architecture	Prepare solution architecture document.	14 OCTOBER 2022
PROJECT DESIGN PHASE-II		
Customer Journey	Prepare the customer journey maps to understand the user interactions & experiences with the application (entry to exit).	18 OCTOBER 2022
Functional Requirement	Prepare the functional requirement document.	18 OCTOBER 2022
Data Flow Diagrams	Draw the data flow diagrams and submit for review.	17 OCTOBER 2022
Technology Architecture	Prepare the technology architecture diagram.	17 OCTOBER 2022
PROJECT PLANNING PHASE		
Prepare Project Planning & Sprint Delivery Plan	Prepare the Product Backlog, Sprint Planning, Stories, and Story points.	4 NOVEMBER 2022
Prepare Milestone & ActivityList	Prepare the milestones &activity list of the project.	4 NOVEMBER 2022
PROJECT DEVELOPMENT PHASE		
Project Development - Delivery of Sprint-1, 2, 3 & 4	Develop & submit the developed code by testing it.	IN PROGRESS

DATA COLLECTION

Create train and test folders	To prepare the training and testing dataset and upload it into the folders.	14 OCTOBER 2022

IMAGE PREPROCESSING

Import ImageDataGenerator library and configure it	Import the ImageDataGenerator library	IN PROGRESS
Apply ImageDataGenerator Functionality to test and train set	Apply it to the model	IN PROGRESS

MODEL BUILDING

Import the required model building libraries	To import the necessary libraries and packages to build the model	IN PROGRESS
Initialize the model	Initializing the model	IN PROGRESS
Add the convolution layer	To add the convolution layer	IN PROGRESS
Add the pooling layer	Adding pooling layer	IN PROGRESS
Add the flatten layer	Adding the flatten layer	IN PROGRESS
Adding the dense layers	Adding the dense layer	IN PROGRESS
Compile the model	To compile the model	IN PROGRESS
Fit and save the model	Save the model	IN PROGRESS

TEST THE MODEL

Import the packages and load the saved model	Load the saved model and testing it	IN PROGRESS
Load the Test image, preprocess it and predict	Prediction and testing the images	IN PROGRESS

APPLICATION BUILDING

Build A flask application	To build the flask application	IN PROGRESS
Build A flask application	To build the flask application	IN PROGRESS
Building the flask application-part 3	To build the flask application	IN PROGRESS
Build the HTML page	Building the html page for frontend	IN PROGRESS
output	To get the output	IN PROGRESS

TRAIN CNN MODEL ON IBM

Train image Classification model	To develop the code and push it into the github	IN PROGRESS
Register for IBM cloud	To register for the IBM cloud	YET TO REGISTER