MILESTONE AND ACTIVITY LIST

TEAM ID	PNT2022TMID48153
Project Name	Emerging Methods For Early Detection Of Forest Fires
TEAM MEMBERS	B.FAHMIDHA M.ANNAPOORANI P.DAYANA D.SANTHI

Milestone Name	Milestone No:	Description	Mandatory	Optional
Project Objectives	M-01	Be able to learn to prepare dataset, image processing, working with CNN layers, read images using Open CV and CNN for computer vision AI	Yes	-
Project Flow	M-02	A project management process flowchart is a graphical aid, designed to visualize the sequence of steps to befollowed throughout the project management process	Yes	
Pre-Requisites	M-03	To complete this project we should have known following project such as Keras, Tensor flow, Python , Anaconda, Open CV, Flask,	Yes	

		Scikit-learn etc…		
Prior Knowledge	M-04	One should have knowledge on the Supervised Learning ,CNN and Regression Classification and Clustering, ANN	Yes	
Data collection	M-05	We can collect dataset from different open sources like kaggle.com, UCI machine learning etc	Yes	
Image Preproce ssig	M-06	Importing the Image Data Generator libraries, Define Parameters/Arguments for Image Data Generator class, Applying Image Data Generator Functionality totrainset and test set	Yes	
Model Building	M-07	Importing the model building libraries, Initializingthe model ,Adding CNN layers, Adding Dense layers, Configuring the learning Process, Train the model, Save the model, Predictions.	Yes	
Video Analysis	M-08	Open cv for video processing, creating an account in twilio service and sending alert message	Yes	

Train CNNmodel	M-09	Register for IBM Cloud and train Image ClassificationModel	Yes	
Train CNNmodel	M-10	Prepare Literature Survey on the selected Project and Information Gathering ,empathy map andideation	Yes	
Project Design Phase-I	M-11	Prepare Proposed solution , problem-solution fit andSolution Architecture	Yes	
Project Design Phase-II	M-12	Prepare Customer journey , functional requirements, Data flow diagram andTechnology Architecture	Yes	
Project Planning Phase	M-13	Prepare Milestone list , Activity list and Sprint DeliveryPlan	Yes	
Project Development Phase	M-14	Project Development delivery of Sprint 1, Sprint 2,Sprint 3, Sprint 4	Yes	

ACTIVITY LIST

ACTIVITY NUMBER	ACTIVITY NAME	DETAILED ACTIVITY DESCRIPTION	ASSIGNED TO	STATUS/ COMMENTS
A-1	Project Objectives	Be able to learn to prepare dataset, image processing, working with CNN layers, read images using Open CV	All Members	COMPLETED

		and CNN for computer vision AI		
A-2	Project Flow	A project management process flowchart is a graphical aid, designed to visualize the sequence of steps to befollowed throughout the project management process	All Members	COMPLETED
A-3	Pre-Requisites	To complete this project we should have known following project such as Keras, Tensor flow, Python , Anaconda, Open CV, Flask, Scikit-learn etc...	All Members	IN PROGRESS
A-4	Prior Knowledge	One should have knowledge on the Supervised Learning ,CNN and Regression Classification and Clustering, ANN	All Members	IN PROGRESS
A-5	Data collection	We can collect dataset from different open sources like kaggle.com, UCI machine learning etc,	All Members	IN PROGRESS
A-6	Image Preprocessig	Importing the Image Data Generator libraries, Define Parameters/Arguments for Image Data Generator class,	All Members	IN PROGRESS

		Applying Image Data Generator Functionality to trainset and test set		
A-7	Model Building	Importing the model building libraries, Initializing the model ,Adding CNN layers, Adding Dense layers, Configuring the learning Process, Train the model, Save the model, Predictions.	All Members	IN PROGRESS
A-8	Video Analysis	Open cv for video processing, creating an account in t wilio service and sending alertmessage	All Members	IN PROGRESS
A-9	Train CNN model	Register for IBM Cloud and train Image ClassificationModel	All Members	COMPLETED
A-10	Train CNN model	Prepare Literature Survey on the selected Project and Information Gathering ,empathy map andideation	All Members	COMPLETED
A-11	Project Design Phase-I	Prepare Proposed solution , problem-solution fit and Solution Architecture	All Members	COMPLETED
A-12	Project Design Phase-II	Prepare Customer journey , functional requirements, Data flow	All Members	COMPLETED

		diagram andTechnology Architecture		
A-13	Project Planning Phase	Prepare Milestone list , Activity list and Sprint DeliveryPlan	All Members	COMPLETED
A-14	Project Development Phase	Project Development delivery of Sprint 1, Sprint 2,Sprint 3, Sprint 4	All Members	IN PROGRESS