

Team ID	PNT2022TMID36865
Project Name	Emerging Methods for Early Detection of Forest Fire
Team Members	MAHALAKSHMI R BANUMATHI V PONPRIYA S KANNIKA M

MILESTONE LIST

Milestone Name	Milestone Number	Description	Mandatory	
Project Objectives	M-01	We will actually want to figure out how to plan dataset, picture handling, working with CNN layers, read pictures involving openCV and CNN for computervision man-made intelligence	Yes	
Project Flow	M-02	An undertaking the executives interaction flowchart is a graphical guide, intended to envision the grouping of moves toward be followed all through the undertaking the executives interaction	Yes	
Pre-Requisties	M-03	To finish this venture, we ought to have known following task like keras, TensorFloe, Python, Boe constrictor, OpenCV, Carefe, Scikit-Learn and so forth.	Yes	
Prior Knowledge	M-04	One ouhht to have information on the Managed Learning. CNN and Relapse Order and Grouping ANN	Yes	
Data Collection	M-05	We can gather dataset from various open sources like kaggle.com UCI AI and so forth	Yes	
Image Preprocessing	M-06	Bringing in the ImageDataGenerator Libraries, Characterize Boundaries/ Contentions for ImageDataGeneration class, Applying picture Information Generator Usefulness to trainset and test set	Yes	
Model Building	M-07	Bringing in the model structure libraries, instating thr model, Adding CNN layers, Adding Thick layers, Designing the learning process, Train model, save the model, Forecasts	Yes	
Video Analysis	M-08	Opencv for video handling, making a record in twilio administration and sending resdy message	Yes	
Train CNN model	M-09	Register for IBM cloud and train picture Grouping Model	Yes	
Ideation Phase	M-10	Plan writing study on the chose undertaking and data gathering, compassion guide and ideation	Yes	
Project Design Phase-1	M-11	Plan proposed arrangement, issue arrangement fit and arrangement Engineering	Yes	
Project Design Phase-2	M-12	Get ready Client venture, utilitarian necessities, Dataflow chart and innovation Design	Yes	
Project Planning Phase	M-13	Get ready achievement list, Action rundown and run conveyance plan	Yes	

Development Phase	M-14	Project implement conveyance of Run 1, Run 2, Run 3, Run 4	Yes	
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ACTIVITY LIST

Activity Number	Activity	Sub Activity	Assigned To	Status
1.	PROJECT OBJECTIVES		All Members	Completed
2.	PROJECT FLOW		All Members	Completed
3.	PRE-REQUISITES		All Members	Completed
4.	DATA COLLECTION	4. 1 Download the Dataset	Mahalakshmi R	Completed
5,	IMAGE PROCESSING	5. 1 Import the ImageData Generator Library. Define the Parameters/ Arguments for ImageDataGenerator class. Applying ImageDataGenerstor Functionality to trainset and testset	All Members	In Progress
6.	MODEL BUILDING	Importing the model building libraries. Initializing the model. Adding CNN layers. Adding dense layers. Configuring the learning process. Training the model. Saving the model. Predictions.	All Members	In Progress
7.	VIDEO ANALYSIS	OpenCV for video processing. Creating an account in Twilio service. Sending alert message.	Mahalakshmi R	In Progress
8.	TRAIN MODEL ON IBM	Train image classification model. Register for IBM cloud	Mahalakshmi R	In Progress
9.	IDEATION PHASE	Literature Review. Empathy map. Ideation. Ideation.	All Members	Completed
10.	PROJECT DESIGN PHASE-1	Proposed Solution. Problem Solution fit. Solution Architecture.	All Members	Completed
11.	PROJECT DESIGN PHASE-2	Customer journey. Functional requirement.	All Members	Completed

		Data flow Diagrams. Technology Architecture.		
12.	PROJECT PLANNING PHASE	Prepare milestone and activity list. Sprint delivery plan.	All Members	Completed
13.	PROJECT DEVELOPMENT PHASE	Project development-Delivery of sprint-1. Project development-Delivery of sprint-2. Project development-Delivery of sprint-3. Project development-Delivery of sprint-4.	All Members	In Progress