

PROJECT PLANNING PHASE

MILESTONE AND ACTIVITY LIST

Date	09.11.2022
Team ID	PNT2022TMID50802
Project Name	Emerging methods for early detection of forest fires
Maximum Marks	4Marks

S.No	MILESTONE	DESCRIPTION	DURATION	WORKING STATUS
1	Project Objectives	Project objectives are what you plan to achieve by the end of your project. This might include deliverables and assets, or more intangible objectives like increasing productivity or motivation.	1 WEEK	COMPLETED
2	Data Collection	Artificial Intelligence is a data hunger technology, it depends heavily on data, without data, it is impossible for a machine to learn. It is the most crucial aspect that makes algorithm training possible.	1 WEEK	COMPLETED
3	Image Processing ❖ Keras	Image Pre-processing includes the following main tasks <ul style="list-style-type: none"> • Import ImageDataGenerator Library. • Configure ImageDataGenerator Class. • Applying ImageDataGenerator functionality to the trainset and test set. 	1 WEEK	COMPLETED
4	Model Building	The neural network model is to be built by adding different network layers like convolution, pooling, flattening, dropout and neural layers.	1 WEEK	COMPLETED

		<p>In this milestone, we start building our model by:</p> <ol style="list-style-type: none"> 1.Initializing the model 2.Adding Convolution layers 3. Adding Pooling layers 4.Flatten layer 5.Full connection layers which include hidden layers 		
5	Video Analysis	In this process we open CV for Image processing, Creating an account in Twilio Service, Sending alert messages.	2 WEEKS	IN PROGRESS
6	Train CNN Model on IBM	Train the Image classification Models on IBM Cloud using IBM Watson Studio Service.	2 WEEKS	IN PROGRESS
7	Ideation Phase	Ideation is the process where we generate Literature survey on the selected project & gathered information, Empathy map, ideation.	1 WEEK	COMPLETED
8	Project Design Phase I	Project design phase I is the process where we design Proposed solution, Problem solution fit, Solution architecture. The aim is to develop one or more designs that can be used to achieve the desired project goals.	1 WEEEEK	COMPLETED
9	Project Design Phase II	Project design phase II is the process where we design Customer journey, Functional requirement, Data flow diagram, Technology architecture.	1 WEEK	COMPLETED
10	Project Planning Phase	Project planning phase is the process where we prepare Milestone & activity list, Sprint delivery plan.	1 WEEK	COMPLETED
11	Project Development Phase	Project development phase is the process where we develop Sprint 1, Sprint 2, Sprint 3, Sprint 4.	2 WEEKS	IN PROGRESS