Project
Planning PhaseMilestone
and Activity List

TEAM ID	PNT2022TMID46495
PROJECT TITLE	NATURAL DISASTER INTENSITY ANALYSIS AND CLASSIFICATION USING ARITIFICAL INTELLIGENCE
TEAM MEMBERS	TEAM LEADER: NANSI.N ANUSIYA.M DHIVYA.B DHARANYA.S

MILESTONE LIST

Name	Milestone Number	Description	Mandatory	Optional
Project Objectives	M-001	We will be able to learn to prepare dataset, image processing, working with CNN layers, read images using OpenCV and CNN for computer vision AI	Yes	-
Project Flow	M-002	A project management process flowchart is a graphical aid, designed to visualize the sequence of steps to be followed throughout the project management process	Yes	
Pre-Requisites	M-003	To complete this project we should have known followingproject such as Keras, Tensorflow, Python, Anaconda, OpenCV, Flask, Scikit-learn etc…	Yes	
Prior Knowledge	M-004	One should have knowledge on the Supervised Learning,CNN and Regression Classification and Clustering, ANN	Yes	
Data collection	M-005	We can collect dataset from different open sources like kaggle.com, UCI machine learning etc	Yes	
Image Preprocessing	M-006	Importing the ImageDataGenerator libraries, Define Parameters/Arguments for	Yes	

		ImageDataGenerator class, Applying Image Data Generator Functionality to trainset and testset		
Model Building	M-007	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.	Yes	
Train CNN model	M-009	Register for IBM Cloud and train Image Classification Model	Yes	
Ideation Phase	M-010	Prepare Literature Survey on the selected Project andInformation Gathering, empathy map and ideation	Yes	

Project Design Phase-I	M-011	Prepare Proposed solution, problem-solution fit and SolutionArchitecture	Yes	
Project Design Phase-II	M-012	Prepare Customer journey, functional requirements, Dataflow diagram and Technology Architecture	Yes	
Project Planning Phase	M-013	Prepare Milestone list,Activity list and Sprint Delivery Plan	Yes	
Project Development Phase	M-014	Project Development delivery of Sprint 1, Sprint 2, Sprint 3, Sprint 4	Yes	

ACTIVITY LIST

Activity Number	Activity Name	Detailed Activity Description	Task Assigned	Status
1.1	Access Resources	Access the resources (courses)in project dashboard.	All Members	COMPLETED
1.2	Rocket chat registration	Join the mentoring channelvia platform& rocket-chat mobile app.	All Members	COMPLETED
1.3	Access workspace	Access the guided project workspace.	All Members	COMPLETED
1.4	IBM Cloud registration	Register on IBM Academic Initiative &Apply Feature code for IBM Cloud Credits.	All Members	COMPLETED

1.5	Project Repository Creation	Create GitHub account & collaborate with Project Repository in project workspace.	All Members	COMPLETED
1.6	Environment Setup	Set-up the Laptop / Computers based on the pre-requisites for each technology track.	All Members	COMPLETED
2.1	Literature survey	Literature survey on the selectedproject & Information Gathering.	All Members	COMPLETED
2.2	Technology Training	Attend the technology trainingsas per the training Calendar.	All Members	COMPLETED

2.3	Empathy Map	Prepare Empathy Map Canvasto capture the user Pains & Gains, Prepare list of problem statements	All Members	COMPLETED
2.4	Technology Training	Attend the technology trainingsas per the training Calendar.	All Members	COMPLETED
2.5	Brainstorming	List the ideas (at least 4 per each team member) by organizing the brainstorm session and prioritize the ideas	All Members	COMPLETED
2.6	Technology Training	Attend the technology trainingsas per the training Calendar.	All Members	COMPLETED
3.1	Proposed Solution Document	Prepare the proposed solutiondocument, which includes the novelty, feasibility of idea, business model, social impact,scalability of solution, etc.	All Members	COMPLETED
3.2	Technology Training	Attend the technology trainingsas per the training Calendar.	All Members	COMPLETED
3.3	Problem - Solution fit &Solution Architecture	Prepare problem - solution fitdocument& Solution Architecture.	All Members	COMPLETED
3.4	Technology Training	Attend the technology trainingsas per the training Calendar.	All Members	COMPLETED
4.1	Customer Journey Map	Prepare the customer journey maps to understand the user interactions & experiences withthe application (entry to	All Members	COMPLETED

		exit).		
4.2	Technology Training	Attend the technology trainingsas per the training Calendar.	All Members	COMPLETED
4.3	Functional Requirements & DataFlow Diagrams	Prepare the Functional Requirement Document & DataFlow Diagrams.	All Members	COMPLETED

4.4	Technology Architecture	Prepare Technology Architectureof the solution.	All members	COMPLETED
4.5	Technology Training	Attend the technology trainingsas per the training Calendar.	All members	COMPLETED
5.1	Milestone & Activity list	Prepare Milestone &Activity List.	All members	COMPLETED
5.2	Sprint Delivery Plan	Prepare Sprint Delivery Plan.	All members	COMPLETED
6	Data Collection	Collect datasets from different open sources like kaggle.com, data.gov, UCI machine learningrepository, etc.	All Members	IN PROGRESS
7.1	Image Preprocessing	Importing the ImageDataGenerat orLibrary	AMEED IBRAHIM SHAMIR AHMED	IN PROGRESS
7.2	Image Preprocessing	Define the parameters/arguments for ImageDataGenerator class.	AMEED IBRAHIM SHAMIR AHMED	IN PROGRESS
7.3	Image Preprocessing	Applying ImageDataGenerator functionality to trainset and test set.	AMEED IBRAHIM SHAMIR AHMED SUDHARSAN	IN PROGRESS
8.1	Model Building	Importing the model buildinglibraries.	MOHAMED AZARUDEEN SUDHARSAN	IN PROGRESS
8.2	Model Building	Initializing the model.	MOHAMED AZARUDEEN SUDHARSAN	IN PROGRESS
8.3	Model Building	Adding CNN Layers.	MOHAMED AZARUDEEN SUDHARSAN	IN PROGRESS

8.4	Model Building	Adding Dense Layers	MOHAMED	IN PROGRESS

			AZARUDEEN SHAMIR AHMED	
8.5	Model Building	Configuring the learning process	SHAIK ABDULLAH AMEED IBRAHIM	IN PROGRESS
8.6	Model Building	Training the Model	SHAIK ABDULLAH SHAMIR AHMED	IN PROGRESS
8.7	Model Building	Save the Model	SHAIK ABDULLAH SHAMIR AHMED	IN PROGRESS
8.8	Model Building	Predictions	MOHAMED AZARUDEEN SUDHARSAN	IN PROGRESS
9.1	Train CNN Model onIBM	Register for IBM Cloud	All Members	COMPLETED