

MILESTONE AND ACTIVITY LIST

Date	28 October 2022
Team Id	PNT2022TMID41032
Project Name	A Novel Method For Handwritten Digit Recognition System
Maximum Mark	8 Mark

MILESTONE

Pre-Requisites	M-01	To complete this project you should have the following software and packages such as Anaconda Navigator, Tensor flow ,Keras,Flask..
Project Structure	M-02	This is the project structure which needs to be followed for building Conversation Engine.
Data collection	M-03	We are collecting data for building our project. We will be Creating two folders one for training and the other for testing. Images present in the training folder will be used for building the model and the testing images will be used for validating our model.
Understanding the data	M-04	ML depends heavily on data, without data, it is impossible for a machine to learn.Dataset The MNSIT dataset contains ten classes: Digits from 0-9. Each digit is taken as a class
Model Building	M-05	Importing the model building libraries, Initializing the model, Adding Convolution layers, Adding the Pooling layers, Adding the Flatten layers, Adding Dense layers, Compiling the model , Fit and Save the model.
Application Building	M-06	In this section, we will be building a web application.the web application build by HTML Pages,server-side script.
Train the model on IBM	M-07	n this milestone, you will learn how to build Deep Learning Model Using the IBM cloud.
Ideation Phase	M-08	Prepare Literature Survey on the selected Project and Information Gathering, empathy map and ideation

Project Design Phase-I	M-09	Prepare Proposed solution , problem-solution fit andSolution Architecture
Project Design Phase-II	M-10	Prepare Customer journey ,functional requirements,Data flow diagramand Technology Architecture
Project Planning Phase	M-11	Prepare Milestone list , Activity list and Sprint Delivery Plan
Project Development Phase	M-12	Project Development delivery of Sprint 1, Sprint 2, Sprint 3, Sprint 4

ACTIVITY LIST

Activity Number	Activity	Sub Activity	Assigned To	Status
1.	Pre-Requisites		<ul style="list-style-type: none"> ➤ Priya V ➤ Elavarasan S ➤ Anitha A ➤ Hariputhiran A 	Completed
2.	Project Structure		<ul style="list-style-type: none"> ➤ Priya V ➤ Elavarasan S ➤ Anitha A ➤ Hariputhiran A 	Completed

3.	Data collection	<ul style="list-style-type: none"> ➤ Download the Dataset 	<ul style="list-style-type: none"> ➤ Priya V ➤ Elavarasan S ➤ Anitha A ➤ Hariputhiran A 	Completed
4.	Understanding the data	<ul style="list-style-type: none"> ➤ Importing The Required Libraries ➤ Loading the dataset ➤ Reshaping the data ➤ Applying one hot encode 	<ul style="list-style-type: none"> ➤ Priya V ➤ Elavarasan S ➤ Anitha A ➤ Hariputhiran A 	Completed
5.	Model Building	<ul style="list-style-type: none"> ➤ Add CNN layer ➤ Compiling the model ➤ Train the model ➤ Observing The Metrics ➤ Test the model ➤ Observing The Metrics ➤ Test the model ➤ Save the model ➤ Test with saved model 	<ul style="list-style-type: none"> ➤ Priya V ➤ Elavarasan S ➤ Anitha A ➤ Hariputhiran A 	Completed

6.	Application Building	<ul style="list-style-type: none"> ➤ Create on HTML file ➤ Build python code (part 1) ➤ Build python code (part 2) ➤ Run the application 	<ul style="list-style-type: none"> ➤ Priya V ➤ Elavarasan S ➤ Anitha A ➤ Hariputhiran A 	In progress
7.	Train the model on IBM	<ul style="list-style-type: none"> ➤ Register for IBM Cloud ➤ Train the model on IBM 	<ul style="list-style-type: none"> ➤ Priya V ➤ Elavarasan S ➤ Anitha A ➤ Hariputhiran A 	In-progress
8.	Ideation Phase	<ul style="list-style-type: none"> ➤ literature survey on the selected project information gathering. ➤ Prepare empathy map ➤ Ideation 	<ul style="list-style-type: none"> ➤ Priya V ➤ Elavarasan S ➤ Anitha A ➤ Hariputhiran A 	In progress
9.	Project DesignPhase-I	<ul style="list-style-type: none"> ➤ Proposed Solution ➤ Problem Solution Fit ➤ Solution Architecture 	<ul style="list-style-type: none"> ➤ Priya V ➤ Elavarasan S ➤ Anitha A ➤ Hariputhiran A 	Completed
10.	Project Design Phase-II	<ul style="list-style-type: none"> ➤ Customer journey. ➤ Function requirement 	<ul style="list-style-type: none"> ➤ Priya V ➤ Elavarasan S ➤ Anitha A ➤ Hariputhiran A 	Completed

		<ul style="list-style-type: none"> ➤ Data flow Diagrams. ➤ Technology Architecture. 		
11.	Project Planning Phase	<ul style="list-style-type: none"> ➤ Prepare milestones & activity lists. ➤ Sprint delivery plan. 	<ul style="list-style-type: none"> ➤ Priya V ➤ Elavarasan S ➤ Anitha A ➤ Hariputhiran A 	Completed
12.	Project Development Phase	<ul style="list-style-type: none"> ➤ Project development delivery of sprint-1 ➤ Project development delivery of sprint-2 ➤ Project development delivery of sprint-3 ➤ Project development delivery of sprint-4 	<ul style="list-style-type: none"> ➤ Priya V ➤ Elavarasan S ➤ Anitha A ➤ Hariputhiran A 	Completed

