MILESTONE AND ACTIVITY LIST

Date	22 October 2022
Team ID	PNT2022TMID18178
Project Name	SMART WASTE MANAGEMENT FOR METROPOLITAN CITIES
Maximum Marks	4 Marks

MILESTONE

Pre-Requisites	M-01	To complete this project we should have known the following IBM Watson Platform,NodeRed Service,Cloudant DB.	Yes
Project Structure	M-02	This is the project structure which needs to be followed for collecting waste from the smart bins.	yes
Data collection	M-03	We are collecting the data from smart bins through the weight sensor and the ultrasonic sensor and update the data into the cloud.	Yes
Wireless Sensing Network	M-04	The most important part of this project is to sense the data and collect. It is done through the sensors.	Yes
Location of Smart Bins	M-05	The smart bins will be placed as per the user preference and every bins will be having unique ID. Duplicate Bins can be detected very easily.	Yes
Data Updation	M-06	Every data collected will be processed and updated in the server once the bins are full the corporation officier will intimate the workers to collect the garbage.	Yes
Application layer	M-07	Build the flask application and the HTML pages.	Yes

Build Cloud	M-08	Register for IBM Cloud and build the space to store the data.	Yes
Ideation Phase	M-09	Prepare Literature Survey on the selected Project and Information Gathering, empathy map and ideation	Yes
Project Design Phase-I	M-10	Prepare Proposed solution , problem-solution fit and Solution Architecture	Yes
Project Design Phase-II	M-11	Prepare Customer journey ,functional requirements,Data flow diagram and Technology Architecture	Yes
Project Planning Phase	M-12	Prepare Milestone list , Activity list and Sprint Delivery Plan	Yes
Project Development Phase	M-13	Project Development delivery of Sprint 1, Sprint 2, Sprint 3, Sprint 4	Yes

ACTIVITY LIST

Activity Number	Activity	Sub Activity	Assigned To	Status
1.	PRE-REQUISITES		All Members	Completed
2.	PROJECT STRUCTURE		All Members	Completed
3.	DATA COLLECTION	3.1 Download the Dataset	All Members	Completed

4.	WIRELESS SENSING NETWORK	4.1 Use the weight sensor to sense the weight of the bins. 4.2 Use the ultrasonic sensor to sense the level of the bins.	All Members	Completed
	Location of smart Bins	5.1 Find very busy area to place the bins. 5.2 Consult the people around the area. 5.3 Make a survey on the particular area. 5.4 Locate the bins in the preferable place of the people.	All Members	Completed

6.	DATA UPDATION	6.1 Update every data collected from the sensor to the cloud. 6.2 At a regular interval of time update the data to the cloud server.	All Members	In progress
7.	APPLICATION LAYER	Build the flask application and the HTML pages.	All Members	In-progress
8.	BUILD CLOUD	8.1 Register for IBM cloud. 8.2 Build a space to store and process the data.	All Members	In progress
9.	IDEATION PHASE	9.1 Literature Review. 9.2 Empathy map. 9.3 Ideation.	All Members	Completed
10.	PROJECT DESIGN PHASE-I	10.1 Proposed Solution 10.2 Problem Solution Fit. 10.3 Solution Architecture	All Members	Completed

11.	PROJECT DESIGN PHASE -II	11.1 Customer journey. 11.2 Functional Requirements 11.3 Data flow Diagrams. 11.4 Technology Architecture.	All Members	Completed
12.	PROJECT PLANNING PHASE	12.1 Prepare milestones and activity lists. 12.2 Sprint delivery plan.	All Members	Completed
13.	PROJECT DEVELOPMENT PHASE	13.1 Project development-Delivery of Sprint-1. 13.2 Project development-Delivery of Sprint-2. 13.3 Project development-Delivery of Sprint-3. 13.4 Project development-Delivery of Sprint-4.	All Members	In Progress