

Mile stone and Activity lists

Team ID	PNT2022TMID38943
Project Name	Smart Waste Management for Metropolitan Cities

MILESTONE LIST

Milestone Name	Milestone Number	Description	Mandatory
Project Objectives	M-01	We connecting IOT devices to the Watson platform and exchange the sensor data. Creating the web application through which user interacts with device. Gain knowledge of IBM Watson, IBM cloud and Node red.	Yes
Pre-Requisites	M-02	To complete this project, we should have known about IBM cloud, python coding, Node red, simulation of circuit.	Yes

Create and configure IBM cloud services	M-03	To create IBM Watson IOT platform and devices, create Node-Red service, create a Database in cloudbant Database.	Yes
Develop a python script.	M-04	To random sensor data to the IBM IOT platform.	Yes
Develop a web application using Node-Red service	M-05	A web UI should be created in Node-Red using dashboard nodes available in it.	Yes
Ideation Phase	M-06	Prepare Literature Survey on the selected Project and Information Gathering, empathy map and ideation	Yes
Project Design Phase-I	M-07	Prepare Proposed solution, problem-solution fit and Solution Architecture	Yes
Project Design Phase-II	M-08	Prepare Customer journey ,functional requirements, Dataflow diagram and Technology Architecture	Yes
Project Planning Phase	M-09	Prepare Milestone list , Activity list and Sprint Delivery Plan	Yes
Project Development Phase	M-10	Project Development delivery of Sprint 1, Sprint 2, Sprint 3, Sprint 4	Yes

ACTIVITY LIST

Activity Number	Activity	Sub Activity	Assigned To	Status
1.	PROJECT OBJECTIVES	Abstract	All Members	Completed
2.	PRE-REQUISITES	Create IBM account and software	All Members	Completed
3.	Create and configure IBM cloud services	To create IBM Watson IOT platform and devices, create Node-Red service, create a Database in cloudant Database.	All Members	Completed
4.	Develop a python script.	Develop a python script,publish data to the IBM cloud.	All Members	In Progress
5.	Develop a web application using Node-Red service	Develop the web Application using Node-Red, Use dashboard Nodes for creating UI(web app)	All Members	In Progress
6.	IDEATION PHASE	Literature Review. Empathy map. Ideation.	All Members	Completed

7.	PROJECT DESIGN PHASE – I	Proposed Solution. Problem solution fit. SolutionArchitecture.	All Members	Completed
8.	PROJECT DESIGN PHASE -II	Customer journey. Functional requirement. Data flow Diagrams. Technology Architecture.	All Members	Completed
9.	PROJECT PLANNING PHASE	Prepare milestoneand activity list. Sprint delivery plan.	All Members	Completed
10.	PROJECT DEVELOPMENT PHASE	Project development- Delivery ofSprint-1. Project development- Delivery ofSprint-2. Project development- Delivery ofSprint-3. Project development- Delivery ofSprint-4.	All Members	In Progress