

Project Planning Phase Milestone & Activity list

Date	03 November 2022
Team ID	PNT2022TMD08134
Project Name	Gas leakage monitoring and alerting system for Industries

Milestone List

Milestone name	Milestone number	Description	Mandatory
Prerequisites	M-01	We will to learn about cloud services and we will install python and required libraries	Yes
Project objectives	M-02	Gain knowledge of Watson Platform, IBM Cloudant DB, web application development and Generating QR codes with the required data	Yes
Create and configure IBM cloud services	M-03	We will create and configure the IBM Cloud services which are being used in completing this project	Yes
Develop a python script To publish And Subscribe To IBM IOT platform	M-04	We will develop the python script to publish the data and subscribe the data from the IBM Watson IOT Platform	Yes
Develop A Web Application Using Node-RED Service	M-05	A Web UI will 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 member	Status
1.	Prerequisites	IBM cloud services	Karan Hariharan Madhankumar Nandhakumar	In-Progress
		software	Karan Hariharan	In-Progress
2.	Project objectives		Madhankumar Nandhakumar	Completed
3.	Create and configure IBM cloud services	Create And Configure IBM cloud services	Karan Hariharan	In-Progress
		Create Node-RED service	Madhankumar Nandhakumar	In-Progress
4.	Develop a python script To publish And Subscribe To IBM IOT platform	Develop the Python code	Karan Hariharan	In-Progress
		Publish data to the IBM cloud	Karan Hariharan	In-Progress
5.	Develop A Web Application Using Node-RED Service	Develop The Web Application Using Node-RED	Madhankumar Nandhakumar	In-Progress
		Use Dashboard Nodes For Creating UI(Web App)	Madhankumar Nandhakumar	In-Progress
06.	Ideation phase	10.1. Literature Review.	All	Completed
		10.2. Empathy map.	All	Completed
		10.3. Ideation.	All	Completed
07.	Project design phase-I	10.1 Proposed Solution	All	Completed
		10.2 Problem solution fit.	All	Completed
		10.3 Solution Architecture.	All	Completed
08.	Project Design	11.1 Customer journey.	All	Completed

	Phase-II	12.2. Functional requirement.	All	Completed
		12.3. Data flow Diagrams.	All	Completed
		12.4. Technology Architecture.	All	Completed
09.	Project Planning Phase	13.1. Prepare milestone and activity list.	All	Completed
		13.2. Sprint delivery plan	All	Completed
10.	Project Development Phase	14.1. Project development-Delivery of Sprint-1.	All	In-progress
		14.2. Project development-Delivery of Sprint-2.	All	In-progress
		14.3. Project development-Delivery of Sprint 3.	All	In-progress
		14.4. Project development-Delivery of Sprint-4.	All	In-progress