PROJECT MILESTONE AND ACTIVITY LIST

Date	22 October 2022
Team ID	PNT2022TMID30644
Project Name	Project - Real-Time River Water Quality Monitoring and Control System
Maximum Marks	4 Marks

SI. NO	ACTIVITY TITLE	ACTIVITY DESCRIPTION	DURATION
1.	Understanding the Project requirement	Assign team members and create a Github repository. Assign a task to each member and teach them how to use, open, and classify Github and IBM. education for a career	1 WEEK
2.	Starting of project	Advise students to attend IBM portal classes, create and develop a rough diagram based on the project description, and gather information on IOT and IBM projects. Team leaders assign tasks to each project member.	1 WEEK
3.	Attend class	Team members and the team leader must attend and learn from IBM and NALAYATHIRAN classes, and they must obtain an MIT licence for their project.	4 WEEK
4.	Budget and scope of project	Budget and analyse the use of IOT in the project, and discuss with team for budget prediction to predict the customer's willingness to buy.	1 WEEK

S.NO	MILESTONES	TASKS	NAME OF THE STUDENTS WHO DONE THE TASK
1.	● Pre requisites ● Project Objective	1. IBM Cloud services	LAVANYA.A PRIYADHARSHINI.R NIVINDHA.N PAVITHR.J
		2.Software	LAVANYA.A PAVITHR.J
2.	● Create And Configure	1. Create IBM Watson IOT Platform And Device	LAVANYA.A

		IBM Cloud Services		NIVINDHA.N PRIYADHARSHINI.R
			2. Create Node-RED Service	LAVANYA.A PRIYADHARSHINI.R
3.	● Develop the python Scrip		1. Develop a python Scrip	LAVANYA.A NIVINDHA.N
			2. Publish Data to the IBM Cloud	LAVANYA.A NIVINDHA.N
4.	● Develop A web Application Using Node RED Service		1. Develop the Web Application Using Node RED	LAVANYA.A PRIYADHARSHINI.R PAVITHR.J
			2. Use Dashboard Nodes for Creating UI(Web App)	LAVANYA.A PRIYADHARSHINI.R
			3. Create an HTTP requests to Communicate with Mobile App	LAVANYA.A PAVITHR.J
5.	● Building Mobile App		1. Design Your UI To Display the Water Turbidity, PH Values	LAVANYA.A PRIYADHARSHINI.R
			2. Configure the Application To Receive the Data From Cloud	LAVANYA.A PRIYADHARSHINI.R PAVITHR.J
			3. Configure the Mobile App For Controlling Motor using Buttons	LAVANYA.A NIVINDHA.N
6.	● Ideation Phase		1. Literature Survey on the Selected Project & Information Gathering	LAVANYA.A PAVITHR.J
			2. Prepare Empathy Map	LAVANYA.A PRIYADHARSHINI.R
			3. Ideation	LAVANYA.A NIVINDHA.N
7.	● Project Design Phase-I		1. Proposed Solution	LAVANYA.A PRIYADHARSHINI.R
			2. Prepare Solution Fit	LAVANYA.A PAVITHR.J
			3. Solution Architecture	LAVANYA.A NIVINDHA.N
8.	● Project Design Phase-II		1. Customer Journey	LAVANYA.A NIVINDHA.N

		2. Functional Requirement	LAVANYA.A PRIYADHARSHINI.R
		3. Data Flow Diagram	LAVANYA.A PAVITHR.J NIVINDHA.N
		4. Technology Architecture	LAVANYA.A PAVITHR.J
9.	● Project Planning Phase	1. Prepare Milestone &	LAVANYA.A PRIYADHARSHINI.R
		2. Activity List	NIVINDHA.N
		3. Sprint Delivery Time	LAVANYA.A PAVITHR.J
10.	● Project Development Phase	1. Project Development Delivery of Sprint 1	LAVANYA.A PRIYADHARSHINI.R
		2. Project Development Delivery of Sprint 2	LAVANYA.A PAVITHR.J NIVINDHA.N
		3. Project Development Delivery of Sprint 3	LAVANYA.A PAVITHR.J
		4. Project Development Delivery of Sprint 4	LAVANYA.A PRIYADHARSHINI.R NIVINDHA.N