MILESTONE and ACTIVITY LIST

Date	19 October 2022
Team ID	PNT2022TMID22829
Project Name	Project – IOT based Smart Crop Protection System for Agriculture
Maximum Marks	8 Marks

MILESTONE:

S.NO	TITLE	SUB-TITLE	DESCRIPTION	DATE
1	Prerequisties	IBM cloud service Create account in Clarifai	You need to have basic knowledge of the following cloud services	23 August 2022
		Software	Install the Python IDE	24 August 2022
2	Create And Configure IBM Cloud Services	Create IBM Watson IoT Platform and Device	IBM Watson IoT platform acts as the mediator to connect the web application to IoT device, so create the IBM Watson IoT platform.	24 August 2022
		Create Node-red service	To create a web application create a Node-RED service.	25 August 2022
		Create a database in cloudant DB	Launch the cloudant DB and create a database to store the image URL	26 August 2022
		Create a cloud object storage service.	Create a cloud object storage service, create a bucket to store the images, and configure the bucket settings.	27 August 2022
3	Ideation Phase	Literature Survey on The Selected Project	A Literature Survey is a compilation summary of research done	2 september 2022

		and Information Gathering	previously in the given topic. Literature survey can be taken from books, research paper online or from any source	
		Prepare Empathy Map	Empathy Map is a visualization tool which can be used to get a better insight of the customer	8 september 2022
		Ideation-Brainstorming	Brainstorming is a group problem solving session where ideas are shared, discussed and organized among the team members.	16 september 2022
4	Project Design Phase-I	Proposed Solution	Proposed solution shows the current solution and it helps is going towards the desired result until it is achieved	22 september 2022
		Problem Solution Fit	This helps us to understand the thoughts of the customer their likes, behaviour, emotions etc.	30 september 2022
		Solution Architecture	Solution Architecture is a very complex process I.e it has a lot of sub-processes and branches. It helps in understanding the components and features to complete our project	1 October 2022
5	Project Design phase-II	Customer Journey	It helps us to analyse from the perspective of a customer, who uses our project.	6 October 2022

		Functional Requirement	Here functional and non functional requirements are briefed. It has specific features like usability, security, reliability, performance, availability and scalability.	10 October 2022
		Data Flow Diagrams	Data Flow Diagram is a graphical or visual representation using a standardized set of symbols and notations to describe a business's operations through data movement.	13 October 2022
		Technology Architecture	Technology Architecture is a more well defined version of solution architecture. It helps us analyze and understand various technologies that needs to be implemented in the project.	15 October 2022
6	Project Planning Phase	Prepare Milestone & Activity List	It helps us to understand and evaluate our own progress and accuracy so far.	18 October 2022
		Spring Delivery Plan	Sprint planning is an event in scrum that kicks off the sprint. The purpose of sprint planning is to define what can be delivered in the sprint and how that work will be achieved.	21 October 2022

7	Project Development Phase	Delivery of Sprint-I	In this milestone you will start the project development and expected to perform the coding & solutioning, acceptance testing, performance testing based as per the sprint and submit them	In Progress

ACTIVITY LIST:

S.NO	Activity Title	Activity Description	Duration
1	Understanding the Project Requirement	Assign the team members & create the repository in github. Assign the task to each members and teach how to use and open access the GitHub and IBM Career Education.	1 Week
2	Starting of Project	Advice student to attend classes of IBM portal create and develop an rough diagram based on the project description and gather information of IOT and IBM project.	1 Week
3	Attend classes	Team members & team lead must watch and learn from classes provided by IBM and Naalayathiran and must gain access of MIT license for their project.	4 Week
4	Budget and scope of the project	Budget & analyse the use of IOT in the project and discuss with the team for budget prediction to predict the favourability of the customer to buy the product for efficient use of the product among the environment.	1 Week