

Project Planning Phase Milestone and Activity List

Date	22 October 2022
Team ID	PNT2022TMID46939
Project Name	Smart Crop Protection System For Agriculture
Team Leader	Safreen Banu.Y
Team Members	Rabiya.L, Suganya.M, Priya Dharshini.D

MILESTONE LIST:

Name	Milestone Number	Description	Mandatory	Optional
Pre-Requisties	M-001	To complete this project, we should have knowledge of the following cloud services such as IBM Watson IoT Platform ,Node-RED Service,Cloudant DB	Yes	-
Project Objectives	M-002	We will be able to develop a python script to publish the sensor parameters like Temperature, Humidity and Soil Moisture to the IoT platform detect the animals and birds in video streaming using clarifai services	Yes	-
Create and Configure IBM-Cloud Service	M-003	To create and configure the IBM cloud services which are being used in completing this project	Yes	-
Develop the python script	M-004	To develop a python script detect animals and birds in video streaming using the clarifai services	Yes	-
Ideation Phase	M-005	Prepare Literature Survey on the selected Project and Information Gathering, Empathy Map and Ideation	Yes	-
Project Design Phase-1	M-006	Prepare Proposed Solution, Problem-Solution fit and Solution Architecture	Yes	-
Project Design Phase-2	M-007	Prepare Customer Journey, Functional Requirements, Data flow diagram and Technology Architecture	Yes	-
Project	M-008	Prepare Milestone list Activity list and Sprint		

Planning Phase		Delivery Plan	Yes	-
Project Development Phase	M-009	Project Development delivery of Sprint 1, Sprint 2, Sprint 3, Sprint 4	Yes	-

ACTIVITY LIST:

Activity Number	Activity Name	Detailed Activity Description	Task Assigned	Status
1.1	Access Resources	Access the resources (courses) in project dashboard.	All Members	COMPLETED
1.2	Rocket chat registration	Join the monitoring channel via platform& rocket-chat mobile app.	All Members	COMPLETED
1.3	Access workspace	Access the guided project workspace.	All Members	COMPLETED
1.4	IBM Cloud registration	Register on IBM Academic Initiative &Apply Feature code for IBM Cloud Credits.	All Members	COMPLETED
1.5	Project Repository Creation	Create GitHub account & collaborate with Project Repository in project workspace	All Members	COMPLETED
1.6	Environment Setup	Set-up the Laptop / Computers based on the pre-requisites for each technology track.	All Members	COMPLETED
2.1	Literature survey	Literature survey on the selected project & Information Gathering	All Members	COMPLETED
2.2	Technology Training	Attend the technology trainings as per the training Calendar.	All Members	COMPLETED
2.3	Empathy Map	Prepare Empathy Map Canvas to capture the user Pains & Gains, Prepare list of problem	All Members	COMPLETED

		statement		
2.4	Technology Training	Attend the technology trainings as per the training Calendar.	All Members	COMPLETED
2.5	Brainstorming	List the ideas (at least 4 per each team member) by organizing the brainstorm session and prioritize the ideas	All Members	COMPLETED
2.6	Technology Training	Attend the technology trainings as per the training Calendar.	All Members	COMPLETED
3.1	Proposed Solution Document	Prepare problem - solution fit document& Solution Architecture.	All Members	COMPLETED
3.2	Technology Training	Attend the technology trainings as per the training Calendar.	All Members	COMPLETED
3.3	Problem - Solution fit & Solution Architecture	Prepare problem - solution fit document& Solution Architecture.	Safreen Banu.Y, Rabiya.L	COMPLETED
3.4	Technology Training	Attend the technology trainings as per the training Calendar.	All Members	COMPLETED
4.1	Customer Journey Map	Prepare the customer journey maps to understand the user interactions & experiences with the application (entry to exit).	Safreen Banu.Y, Rabiya.L	COMPLETED
4.2	Technology Training	Attend the technology trainings as per the training Calendar.	All Members	COMPLETED
4.3	Functional Requirements & Data Flow Diagrams	Prepare the Functional Requirement Document & Data Flow Diagrams.	Safreen Banu.Y, Rabiya.L	COMPLETED
4.4	Technology Architecture	Prepare Technology Architecture of the solution.	All Members	COMPLETED
4.5	Technology	Attend the technology trainings		

	Training	as per the training Calendar.	All Members	COMPLETED
5.1	Milestone & Activity list	Prepare Milestone & Activity List.	Safreen Banu.Y, Rabiya.L	COMPLETED
5.2	Sprint Delivery Plan	Prepare Sprint Delivery Plan.	Safreen Banu.Y, Rabiya.L	COMPLETED
6	Data Collection	Collect datasets from different open sources like repository, etc.	All Members	COMPLETED
7.1	IBM Coud Servies	To create NODE-RED servies	All Members	IN PROGRESS
7.2	IBM Coud Servies	To create IBM Watson IoT platform and device	All Members	IN PROGRESS
8	Python Script	To develop a python script	Safreen Banu.Y, Rabiya.L	IN PROGRESS
9	NODE-RED Service	To develop a web application using NODE-RED Service	All Members	IN PROGRESS
10	Sprint	Project development - delivery of Sprint 1,2,3 & 4	All Members	IN PROGRESS