Milestone and activity list

Date	29 October 2022
Team ID	PNT2022TMID46126
Project Members	Kalaimani.M ,Amirthan.M ,Karan.R ,Haris.C
Project Name	Estimate The Crop Yield Using Data Analytics
Project mentors	Industry mentor – Srikanth, Mohammed Azhar Uddin Faculty mentor – Fahamitha J

Activity number	Activity name	Detailed activity description	Assigned to
1	**Preparation Phase**	- Access the resources (courses) in project dashboard - Access the guided project workspace - Create GitHub account & collaborate with Project Repository in project workspace - Set-up the Laptop / Computers based on the prerequisites for each technology track	Kalaimani.M ,Amirthan.M ,Karan.R .Haris.C
2	**Ideation Phase**		
2.1	Literature survey	Literature survey on the selected project & Information Gathering	Kalaimani.M ,Amirthan.M ,Karan.R .Haris.C
2.2	Define a problem statement	Prepare the list of problem statements to understand the user needs	Kalaimani.M ,Amirthan.M, Karan.R. Haris.C
2.3	Empathy Map	Preparation of Empathy Map Canvas to capture the user Pains & Gains	Kalaimani.M ,Amirthan.M ,Karan.R .Haris.C

2.4	Brainstorm & idea prioritization	List the ideas by organizing the brainstorming session and prioritize the top 3 ideas based on the feasibility & importance	Kalaimani.M ,Amirthan.M ,Karan.R .Haris.C
3	**Project Design Phase I**		

Activity number	Activity name	Detailed activity description	Assigned to
3.1	Proposed Solution	Preparation of proposed solution document, which includes the novelty, feasibility of idea, business model, social impact, scalability of solution	Kalaimani.M ,Amirthan.M ,Karan.R .Haris.C
3.2	Problem Solution Fit	Prepared problem is analyzed and make effective solutions for the problem	Kalaimani.M ,Amirthan.M ,Karan.R .Haris.C
3.3	Solution Architecture	Prepare an architecture for solution	Kalaimani.M ,Amirthan.M ,Karan.R .Haris.C
4	**Project Design Phase II**		
4.1	Requirement Analysis	Prepare the Functional Requirement and Non- Functional Document	Kalaimani.M ,Amirthan.M ,Karan.R .Haris.C
4.2	Customer Journey	Preparation of customer journey maps to understand the user interactions & experiences with the application (entry to exit)	Kalaimani.M ,Amirthan.M ,Karan.R .Haris.C
4.3	Data Flow Diagrams	Prepare a Data Flow Diagram for Project use level 0 (Industry Standard)	Kalaimani.M ,Amirthan.M ,Karan.R .Haris.C
4.4	Technology Architecture	Prepare Technology Architecture of the solution	Kalaimani.M ,Amirthan.M ,Karan.R .Haris.C
5	**Project Planning Phase**		

5.1	Milestones & Tasks	Prepare Milestone & Activity List	Kalaimani.M ,Amirthan.M ,Karan.R .Haris.C
5.2	Sprint Schedules	Prepare Sprint Delivery Plan	Kalaimani.M ,Amirthan.M ,Karan.R .Haris.C
6	**Project Development Phase**		
Activity number	**Activity name**	**Detailed activity description**	
6.1	Coding & Solutioning	Sprint-1 Delivery: Develop the Code, Test and push it to GitHub.	Kalaimani.M ,Amirthan.M ,Karan.R .Haris.C
6.2	Acceptance Testing	Sprint-2 Delivery: Develop the Code, Test and push it to GitHub. Sprint-3 Delivery: Develop the Code, Test and push it to GitHub.	Kalaimani.M ,Amirthan.M ,Karan.R .Haris.C
6.3	Performance Testing	Sprint-4 Delivery: Develop the Code, Test and push it to GitHub.	Kalaimani.M ,Amirthan.M ,Karan.R .Haris.C

Milestone with timeline chart: