Milestone and activity list

Team ID	PNT2022TMID41233
Project Members	Harni S, Deepa G, Mahalakshmi M, Sharmila R
Project Name	Estimate The Crop Yield Using Data Analytics
Project mentors	Industry mentor – Srikanth, Mahidhar, Mohammed Azhar Uddin Faculty mentor – Sugavaneshwari P

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	Harni S Deepa G Mahalakshmi M Sharmila R
2	**Ideation Phase**		
2.1	Literature survey	Literature survey on the selected project & Information Gathering	Harni S Deepa G Mahalakshmi M Sharmila R
2.2	Define a problem statement	Prepare the list of problem statements to understand the user needs	Harni S Deepa G Mahalakshmi M Sharmila R
2.3	Empathy Map	Preparation of Empathy Map Canvas to capture the user Pains & Gains	Harni S Deepa G Mahalakshmi M Sharmila R

2.4	Brainstorm & idea prioritization	List the ideas by organizing the brainstorming session and prioritize the top 3 ideas based on the feasibility & importance	Harni S Deepa G Mahalakshmi M Sharmila R
3	**Project DesignPhase 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	Harni S Deepa G Mahalakshmi M Sharmila R
3.2	Problem Solution Fit	Prepared problem is analyzed and make effective solutionsfor the problem	Harni S Deepa G Mahalakshmi M Sharmila R
3.3	Solution Architecture	Prepare an architecture for solution	Harni S Deepa G Mahalakshmi M Sharmila R
4	**Project DesignPhase II**		
4.1	Requirement Analysis	Prepare the Functional Requirement and Non- Functional Document	Harni S Deepa G Mahalakshmi M Sharmila R
4.2	Customer Journey	Preparation of customer journey maps to understand the user interactions & experiences with the application (entryto exit)	Harni S Deepa G Mahalakshmi M Sharmila R
4.3	Data Flow Diagrams	Prepare a Data Flow Diagram for Project use level 0 (Industry Standard)	Harni S Deepa G Mahalakshmi M Sharmila R
4.4	Technology Architecture	Prepare Technology Architecture of the solution	Harni S Deepa G Mahalakshmi M

			Sharmila R
5	**Project Planning Phase**		
5.1	**Milestones & Tasks**	Prepare Milestone & Activity List	Harni S Deepa G Mahalakshmi M Sharmila R
5.2	**Sprint Schedules**	Prepare Sprint Delivery Plan	Harni S Deepa G Mahalakshmi M Sharmila R
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.	Harni S Deepa G Mahalakshmi M Sharmila R
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.	Harni S Deepa G Mahalakshmi M Sharmila R
6.3	**Performance Testing**	Sprint-4 Delivery: Develop the Code, Test and push it to GitHub.	Harni S Deepa G Mahalakshmi M Sharmila R

Milestone with timeline chart: