Milestone and activity list

Date	29 October 2022
Team ID	PNT2022TMID07970
Project Members	**AC19UCS053 KEERTHANA D(TL)** **AC19UCS050 KAVINKRISHNA S P** **AC19UCS069 MOHAMMED SALIK ARSLAN A** **AC19UCS078 NIGILPRIYA A**
Project Name	Estimate The Crop Yield Using Data Analytics
Project mentors	**Industry mentor Srikanth, Mahidhar,** **Mohammed Azhar Uddin** **Faculty mentor –** R.indulekha

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	Keerthana D,kavinkrishna SP,Nigilpriya A, Mohhamed salik Arslan A
2	**Ideation Phase**		,
2.1	Literature survey	Literature survey on the selected project & Information Gathering	Keerthana D,kavinkrishna SP,Nigilpriya A, Mohhamed salik Arslan A
2.2	Define a problem statement	Prepare the list of problem statements to understand the user needs	Keerthana D,kavinkrishna SP,Nigilpriya A, Mohhamed salik Arslan A
2.3	Empathy Map	Preparation of Empathy Map Canvas to capture the user Pains & Gains	Keerthana D,kavinkrishna SP,Nigilpriya A, Mohhamed salik Arslan A

2.4	Brainstorm & idea prioritization	List the ideas by organizing the brainstorming session and prioritize the top 3 ideas based on the feasibility & importance	Keerthana D,kavinkrishna SP,Nigilpriya A, Mohhamed salik Arslan A
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	Keerthana D,kavinkrishna SP,Nigilpriya A, Mohhamed salik Arslan A
3.2	Problem Solution Fit	Prepared problem is analyzed and make effective solutions for the problem	Keerthana D,kavinkrishna SP,Nigilpriya A, Mohhamed salik Arslan A
3.3	Solution Architecture	Prepare an architecture for solution	Keerthana D,kavinkrishna SP,Nigilpriya A, Mohhamed salik Arslan A
4	**Project Design Phase II**		
4.1	Requirement Analysis	Prepare the Functional Requirement and Non- Functional Document	Keerthana D,kavinkrishna SP,Nigilpriya A, Mohhamed salik Arslan A C
4.2	Customer Journey	Preparation of customer journey maps to understand the user interactions & experiences with the application (entry to exit)	Keerthana D,kavinkrishna SP,Nigilpriya A, Mohhamed salik Arslan A
4.3	Data Flow Diagrams	Prepare a Data Flow Diagram for Project use level 0 (Industry Standard)	Keerthana D,kavinkrishna SP,Nigilpriya A, Mohhamed salik Arslan A C
4.4	Technology Architecture	Prepare Technology Architecture of the solution	Keerthana D,kavinkrishna SP,Nigilpriya A, Mohhamed salik Arslan A
5	**Project Planning Phase**		

5.1	Milestones & Tasks	Prepare Milestone & Activity List	Keerthana D,kavinkrishna SP,Nigilpriya A, Mohhamed salik Arslan A
5.2	Sprint Schedules	Prepare Sprint Delivery Plan	Keerthana D,kavinkrishna SP,Nigilpriya A, Mohhamed salik Arslan A
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.	Keerthana D,kavinkrishna SP,Nigilpriya A, Mohhamed salik Arslan A
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.	Keerthana D,kavinkrishna SP,Nigilpriya A, Mohhamed salik Arslan A
6.3	Performance Testing	Sprint-4 Delivery: Develop the Code, Test and push it to GitHub.	Keerthana D,kavinkrishna SP,Nigilpriya A, Mohhamed salik Arslan A

Milestone with timeline chart:

Timeline milestones:

- **Empathy Map, Literature survey, Brainstorm & idea prioritization, Problem statement** — 13 SEP
- **Git colab** — 17 Sep
- **Solution architecture, Problem solution fit** — 24 Sep
- **Proposed solution** — 1 oct
- **Solution requirement** — 8 oct
- **Customer journey map** — 13 oct
- **Milestone & activity, Sprint delivery plan** — 15 oct
- **Technolgy stack** — 22 oct
- **Sprint 2** — 29 oct
- **Sprint 1** — 5 nov
- **Sprint 4** — 12 nov
- **Sprint 3** — 19 nov

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