

Date	22 October 2022
Team ID	PNT2022TMID48705
Project Name	Project -Estimate the crop yield using data analytics
Maximum Marks	2 Marks

Project Name		Estimate the crop yield using data analytics	Date	22-10-2022
Team ID		PNT2022TMID48705	Team Members	4
Activity Number	Activity Name	Detailed Activity Description	Assigned To	Status / Comments
1	Preparation Phase	<ul style="list-style-type: none"> <li>Access the resources (courses) in project dashboard</li> <li>Access the guided project workspace</li> <li>Create GitHub account &amp; collaborate with Project Repository in project workspace</li> <li>Set-up the Laptop / Computers based on the prerequisites for each technology track</li> </ul>	SHAM HIRUTHIK.R, JOSEPH RUMS.R, SARAN.GV, VENKATESH.P	It refers to done the listed activities in the preparation phase and done Prerequisites, Registration, Environment setup
2	Ideation Phase	<ul style="list-style-type: none"> <li>Literature survey on the selected project &amp; Information Gathering</li> <li>Preparation of Empathy Map Canvas to capture the user Pains &amp; Gains, Prepare list of problem statements</li> <li>List the ideas by organizing the brainstorming session and prioritize the top 3 ideas based on the feasibility &amp; importance</li> </ul>	SHAM HIRUTHIK.R, JOSEPH RUMS.R, SARAN.GV, VENKATESH.P	The activities in ideation phase refers to when gathering the idea for project information and picturize in Empathy map
3	Project Design Phase -I			

<b>3.1</b>	Proposed Solution	Preparation of proposed solution document, which includes the novelty, feasibility of idea, business model, social impact, scalability of solution	SHAM HIRUTHIK.R	The solution for the project is prepared as a standard document structure from Team members
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<b>3.2</b>	Problem Solution Fit	Prepared problem is analyzed and make effective solutions for the problem	JOSEPH RUMS.R	
<b>3.3</b>	Solution Architecture	Prepare a architecture for solution	SARAN.GV, VENKATESH.P	Suitable block diagram template used to prepare Solution architecture
<b>4</b>	Project Design Phase -II			
<b>4.1</b>	Requirement Analysis	Prepare the Functional Requirement and Non Functional Document	SHAM HIRUTHIK.R, JOSEPH RUMS.R, SARAN.GV, VENKATESH.P	Listing of functional and non-functional requirements of project.
<b>4.2</b>	Customer Journey	Preparation of customer journey maps to understand the user interactions & experiences with the application (entry to exit)	SHAM HIRUTHIK.R, JOSEPH RUMS.R, SARAN.GV, VENKATESH.P	Customer journey map prepared by suitable template by team members.
<b>4.3</b>	Data Flow Diagrams	Prepare a Data Flow Diagram for Project use level 0(Industry Standard)	SHAM HIRUTHIK.R, JOSEPH RUMS.R, SARAN.GV, VENKATESH.P	Use suitable data flow diagram rules and standards to prepare level 0 DFD
<b>4.4</b>	Technology Architecture	Prepare Technology Architecture of the solution	SHAM HIRUTHIK.R, JOSEPH RUMS.R, SARAN.GV, VENKATESH.P	Developed Technology architecture with diagrams.
<b>5</b>	Project Planning Phase			

5.1	Milestones & Tasks	Prepare Milestone & Activity List	SHAM HIRUTHIK.R, JOSEPH RUMS.R, SARAN.GV, VENKATESH.P	Prepared our current / completed activities as list
5.2	Sprint Schedules	Prepare Sprint Delivery Plan	SHAM HIRUTHIK.R, JOSEPH RUMS.R, SARAN.GV, VENKATESH.P	Prepared sprint delivery plan according to the dates
6	Project Development Phase			
6.1	Coding & Solutioning	Sprint-1 Delivery: Develop the Code, Test and push it to GitHub.	SHAM HIRUTHIK.R, JOSEPH RUMS.R, SARAN.GV, VENKATESH.P	
6.2	Acceptance Testing	<ul style="list-style-type: none"> <li>• Sprint-2 Delivery: Develop the Code, Test and push it to GitHub.</li> <li>• Sprint-3 Delivery: Develop the Code, Test and push it to GitHub.</li> </ul>	SHAM HIRUTHIK.R, JOSEPH RUMS.R, SARAN.GV, VENKATESH.P	
6.3	Performance Testing	Sprint-4 Delivery: Develop the Code, Test and push it to GitHub.	SHAM HIRUTHIK.R, JOSEPH RUMS.R, SARAN.GV, VENKATESH.P	

## Milestone:

When a project begins then it is expected that project related activities must be initiated. In project planning, a series of milestones must be established. Milestone can be defined as a recognizable endpoint of software project activity. At each milestone, a report must be generated. Milestone is a distinct and logical stage of the project. It is used as signal post for project start and end date, need for external review or input and for checking budget, submission of the deliverable, etc. It simply represents a clear sequence of events that are incrementally developed or built until the project gets successfully completed. It is generally referred to as a task with zero-time duration because they are used to symbolize an achievement or point of time in a project. It helps in signifying change or stage in development.



