

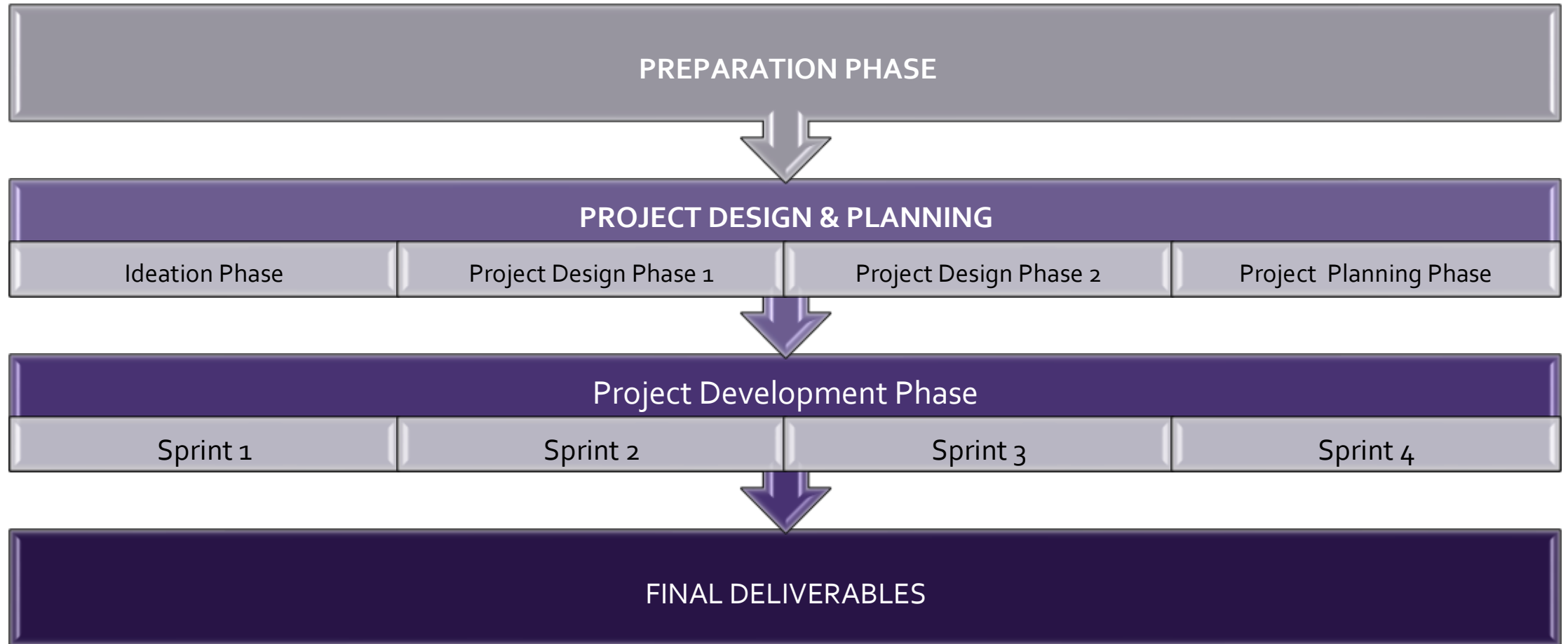
# **GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES**

## **PROJECT PLANNING PHASE**

Prepare Milestone and Activity List

<b>TEAM ID :</b>	<b>PNT2022TMID10197</b>
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# Project Milestones



# ACTIVITY LIST

Phase	Phase Description	Activity Number	Activity
1	<b>Preparation Phase</b> (Prerequisites, Registrations, Environment Set-up, etc.)	1.1	Access the resources (courses) & guided project workspace
		1.2	Register on IBM Academic Initiative & Apply Feature code for IBM Cloud Credits
		1.3	Create GitHub account & collaborate with Project Repository in project workspace
		1.4	Set-up the Laptop / Computers based on the prerequisites for each technology track
2	<b>Ideation Phase</b> (Literature Survey, Empathize, Defining Problem Statement, Ideation)	2.1	Literature survey on the selected project & Information Gathering
		2.2	Prepare Empathy Map Canvas to capture the user Pains & Gains, Prepare list of problem statements
		2.3	List the ideas by organizing the brainstorming session and prioritize the top 3 ideas based on the feasibility & importance
3	<b>Project Design Phase -I</b> (Proposed Solution, Problem-Solution Fit, Solution Architecture)	3.1	Prepare the proposed solution document, which includes the novelty, feasibility of idea, business model, social impact, scalability of solution, etc.
		3.2	Prepare problem - solution fit document & Solution Architecture
4	<b>Project Design Phase -II</b> (Requirement Analysis, Customer Journey, Data Flow Daigrams, Technology Architecture)	4.1	Prepare the customer journey maps to understand the user interactions & experiences with the application (entry to exit)
		4.2	Prepare the Functional Requirement Document & DataFlow Daigrams
		4.3	Prepare Technology Architecture of the solution
5	<b>Project Planning Phase</b> (Milestones & Tasks, Sprint Schedules )	5.1	Prepare Milestone & Activity List, Sprint Delivery Plan
6	<b>Project Development Phase</b> (Coding & Solutioning, Acceptance Testing, Performance Testing)	6.1	Project Development - Delivery of Sprint-1
		6.2	Project Development - Delivery of Sprint-2
		6.3	Project Development - Delivery of Sprint-3

		6.4	Project Development - Delivery of Sprint-4
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