GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES
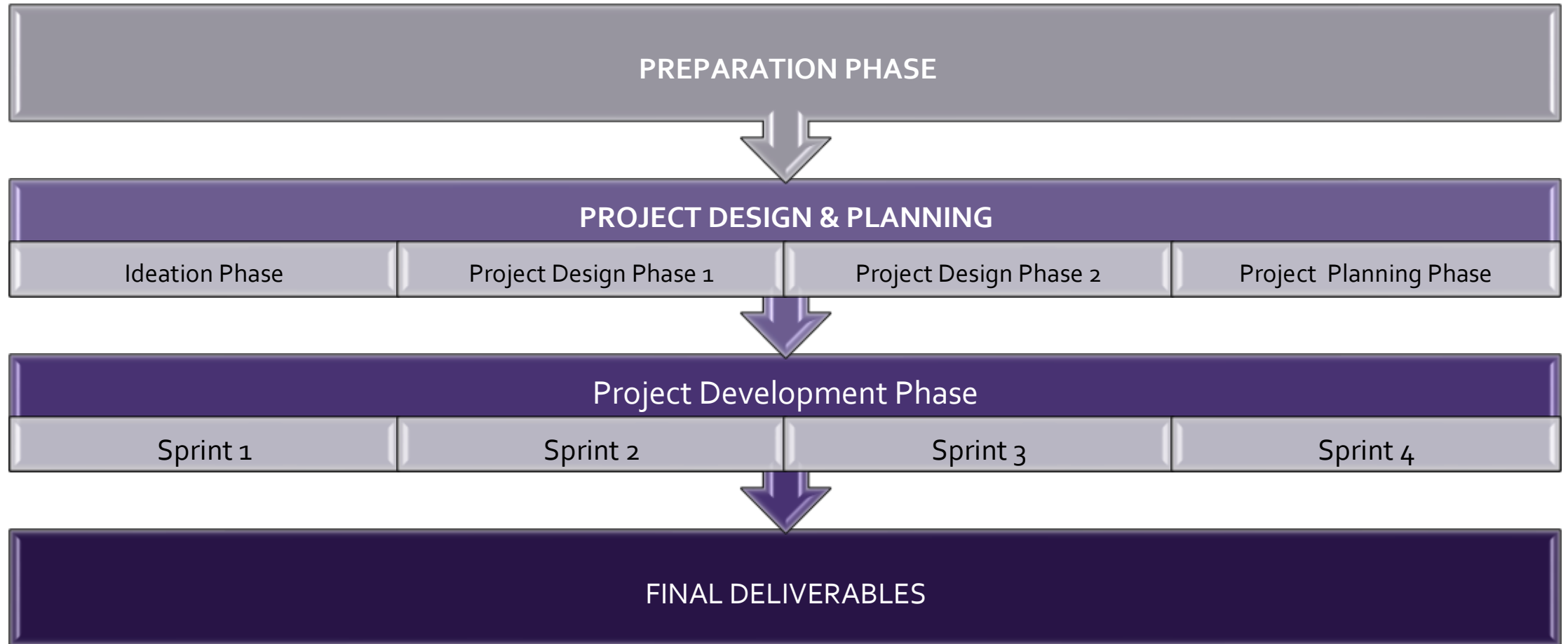
PROJECT PLANNING PHASE

Prepare Milestone and Activity List

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Project Milestones

PREPARATION PHASE

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PROJECT DESIGN & PLANNING			
Ideation Phase	Project Design Phase 1	Project Design Phase 2	Project Planning Phase

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Project Development Phase			
Sprint 1	Sprint 2	Sprint 3	Sprint 4

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FINAL DELIVERABLES

ACTIVITY LIST

Phase	Phase Description	Activity Number	Activity
1	**Preparation Phase** (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	**Ideation Phase** (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	**Project Design Phase -I** (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	**Project Design Phase -II** (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	**Project Planning Phase** (Milestones & Tasks, Sprint Schedules)	5.1	Prepare Milestone & Activity List, Sprint Delivery Plan
6	**Project Development Phase** (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