

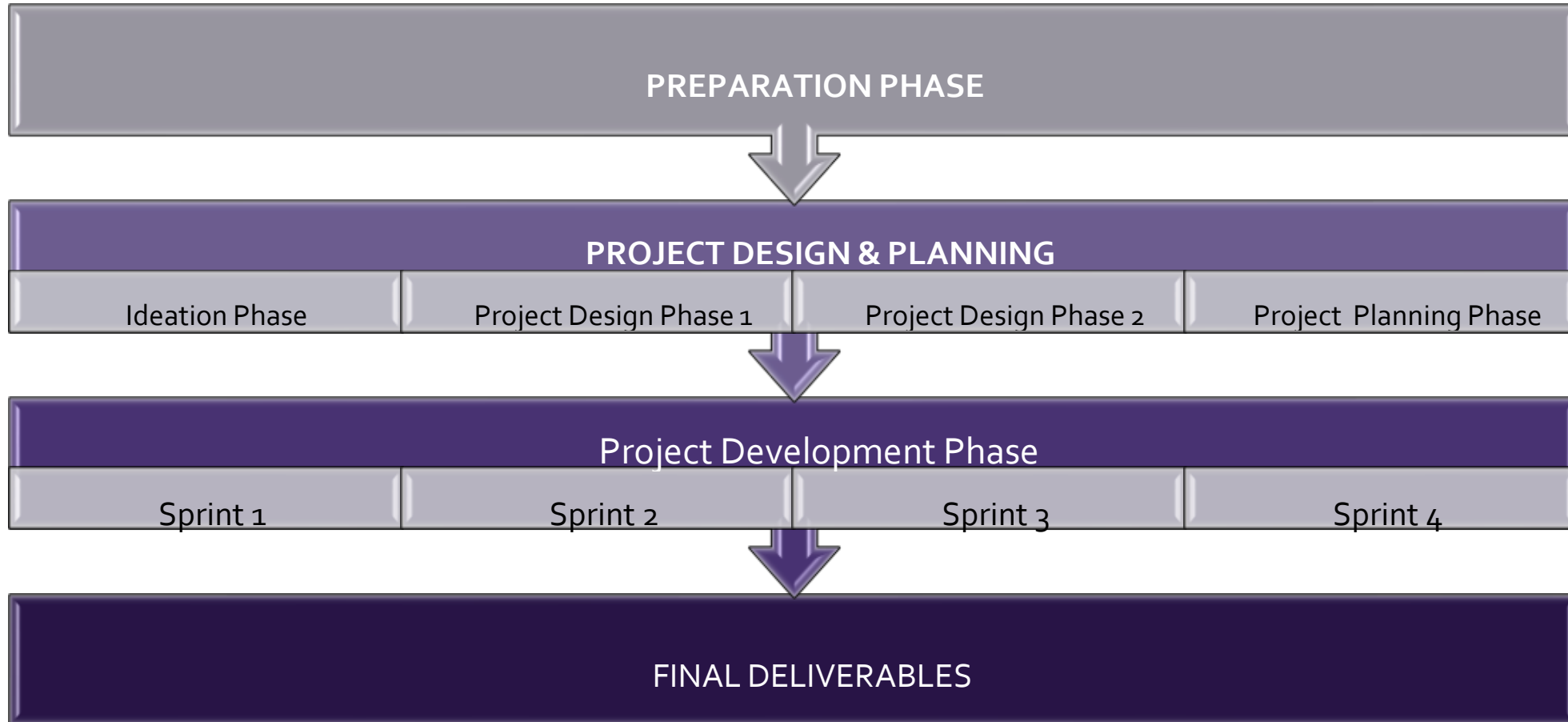
# **GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES**

PROJECT PLANNING PHASE

**Milestone and Activity List**

**Team ID : PNT2022TMID10383**

## PROJECT MILESTONES



## ACTIVITY LIST

| PHASE | PHASE DESCRIPTION  | ACTIVITY NUMBER | ACTIVITY   |
|-------|--|-----------------|--|
| 1     | <b>Preparation Phase</b><br>(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                  |

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|   |  | 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><br>(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><br>(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)                              |

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|   |   | 4.2 | Prepare the Functional Requirement Document & DataFlow Daigrams |
|   |   | 4.3 | Prepare Technology Architecture of the solution                 |
| 5 | <b>Project Planning Phase</b><br>(Milestones & Tasks, Sprint Schedules )                            | 5.1 | Prepare Milestone & Activity List, Sprint Delivery Plan         |
| 6 | <b>Project Development Phase</b><br>(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                      |

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|  |  | 6.4 | Project Development - Delivery of Sprint-4 |
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