

### Milestone and activity list

|                 |   |
|-----------------|---|
| Date            | 22 October 2022   |
| Team ID         | PNT2022TMID45387  |
| Project Members | Abdul Aziz M, Karthik Pandiyan R, Jegan J, Ayyanar S          |
| Project Name    | Gas Leakage Monitoring & Alerting System                      |
| Project mentors | Industry mentor – Kumar Julur<br>Faculty mentor - Krithika BT |

| Activity number | Activity name              | Detailed activity description  | Assigned to  |
|-----------------|----------------------------|--|--|
| <b>1</b>        | 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> | Abdul Aziz M, Karthik Pandiyan R, Ayyanar S, Jegan J |
| <b>2</b>        | Ideation Phase             | This milestone are expected to get started with the Ideation process.  | Abdul Aziz M, Karthik Pandiyan R, Ayyanar S, Jegan J |
| <b>2.1</b>      | Literature survey          | Literature survey on the selected project & Information Gathering  | Abdul Aziz M, Karthik Pandiyan R, Ayyanar S, Jegan J |
| <b>2.2</b>      | Define a problem statement | Prepare the list of problem statements to understand the user needs  | Abdul Aziz M, Karthik Pandiyan R, Ayyanar S, Jegan J |
| <b>2.3</b>      | Empathy Map                | Preparation of Empathy Map Canvas to capture the user Pains & Gains  | Abdul Aziz M, Karthik Pandiyan R, Ayyanar S, Jegan J |

|            |                                  |   |  |
|------------|----------------------------------|---|--|
| <b>2.4</b> | Brainstorm & idea prioritization | List the ideas by organizing the brainstorming session and prioritize the top 3 ideas based on the feasibility & importance | Abdul Aziz M, Karthik Pandiyan R, Ayyanar S, Jegan J |
| <b>3</b>   | Project Design Phase -I          | This milestone will be starting the project design phase. are expected to cover the activities given.                       | Abdul Aziz M, Karthik Pandiyan R, Ayyanar S, Jegan J |

| <b>Activity number</b> | <b>Activity name</b>      | <b>Detailed activity description</b>   | <b>Assigned to</b>                                   |
|------------------------|---------------------------|--|--|
| <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 | Abdul Aziz M, Karthik Pandiyan R, Ayyanar S, Jegan J |
| <b>3.2</b>             | Problem Solution Fit      | Prepared problem is analyzed and make effective solutions for the problem  | Abdul Aziz M, Karthik Pandiyan R, Ayyanar S, Jegan J |
| <b>3.3</b>             | Solution Architecture     | Prepare an architecture for solution   | Abdul Aziz M, Karthik Pandiyan R, Ayyanar S, Jegan J |
| <b>4</b>               | Project Design Phase - II | This milestone will be continue working on the project design phase. You are expected to cover the activities given.                               | Abdul Aziz M, Karthik Pandiyan R, Ayyanar S, Jegan J |
| <b>4.1</b>             | Requirement Analysis      | Prepare the Functional Requirement and Non- Functional Document  | Abdul Aziz M, Karthik Pandiyan R, Ayyanar S, Jegan J |
| <b>4.2</b>             | Customer Journey          | Preparation of customer journey maps to understand the user interactions & experiences with the application (entry to exit)                        | Abdul Aziz M, Karthik Pandiyan R, Ayyanar S, Jegan J |
| <b>4.3</b>             | Data Flow Diagrams        | Prepare a Data Flow Diagram for Project use level0 (Industry Standard)   | Abdul Aziz M, Karthik Pandiyan R, Ayyanar S, Jegan J |
| <b>4.4</b>             | Technology Architecture   | Prepare Technology Architecture of the solution  | Abdul Aziz M, Karthik Pandiyan R, Ayyanar S, Jegan J |
| <b>5</b>               | Project Planning Phase    | In this milestone are expected to prepare milestones & tasks, sprint schedules.  | Abdul Aziz M, Karthik Pandiyan R, Ayyanar S, Jegan J |

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|------------------------|---------------------------|---|--|
| <b>5.1</b>             | Milestones & Tasks        | Prepare Milestone & Activity List   | Abdul Aziz M, Karthik Pandiyan R, Ayyanar S, Jegan J |
| <b>5.2</b>             | Sprint Schedules          | Prepare Sprint Delivery Plan  | Abdul Aziz M, Karthik Pandiyan R, Ayyanar S, Jegan J |
| <b>6</b>               | Project Development Phase | In this milestone will start the project development and expected to perform the coding & solutioning, acceptance testing, performance testing based as per the sprint and submit them. | Abdul Aziz M, Karthik Pandiyan R, Ayyanar S, Jegan J |
| <b>Activity number</b> | <b>Activity name</b>      | <b>Detailed activity description</b>  | <b>Assigned to</b>                                   |
| <b>6.1</b>             | Coding & Solutioning      | Sprint-1 Delivery: Develop the Code, Test and push it to GitHub.  | Abdul Aziz M, Karthik Pandiyan R, Ayyanar S, Jegan J |
| <b>6.2</b>             | Acceptance Testing        | Sprint-2 Delivery: Develop the Code, Test and push it to GitHub.<br>Sprint-3 Delivery: Develop the Code, Test and push it to GitHub.  | Abdul Aziz M, Karthik Pandiyan R, Ayyanar S, Jegan J |
| <b>6.3</b>             | Performance Testing       | Sprint-4 Delivery: Develop the Code, Test and push it to GitHub.  | Abdul Aziz M, Karthik Pandiyan R, Ayyanar S, Jegan J |

**Milestone with timeline chart:**

