**Project Planning Phase Milestone and Activity**

**Project Title**: Smart Solution for Railways **Team ID**: PNT2022TMID14632

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| **PHASE** | **PHASE DESCRIPTION** | **ACTIVITY** |
| **1** | **Preparation Phase**  (Prerequisites, Registrations,  Environment Set-up, etc.) | Access the resources (courses) & guided project workspace |
| Register on IBM Academic Initiative & Apply Feature code for IBM Cloud Credits |
| Create GitHub account & collaborate with Project Repository in project workspace |
| Set-up the Laptop / Computers based on the prerequisites for each technology track |
| **2** | **Ideation Phase**  (Literature  Survey, Empathize, Defining  Problem Statement, Ideation) | Literature survey on the selected project &  Information Gathering.  Prepare Empathy Map Canvas to capture the user Pains & Gains, Prepare list of problem statements.  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) | Prepare the proposed solution document, which includes the novelty, feasibility of idea, business model, social impact, scalability of solution, etc.  Prepare problem - Solution fit document & Solution Architecture |

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| **4** | **Project Design Phase -**  **II** (Requirement  Analysis, Customer  Journey, Data Flow  Diagrams, Technology  Architecture) | Prepare the customer journey maps to understand the user interactions & experiences with the application (entry to exit)  Prepare the Functional Requirement Document & Data Flow Diagrams  Prepare Technology Architecture of the solution |
| **5** | **Project Planning Phase**  (Milestones & Tasks, Sprint  Schedules) | Prepare Milestone & Activity List, Sprint Delivery Plan |
| **6** | **Project Development**  **Phase**  (Coding &  Solutioning, Acceptance  Testing, Performance Testing) | Project Development - Delivery of Sprint-1  Project Development - Delivery of Sprint-2  Project Development - Delivery of Sprint-3  Project Development - Delivery of Sprint-4 |