Project Planning Phase   Milestone and Activity

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

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
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