SMART SOLUTIONS FOR RAILWAYS
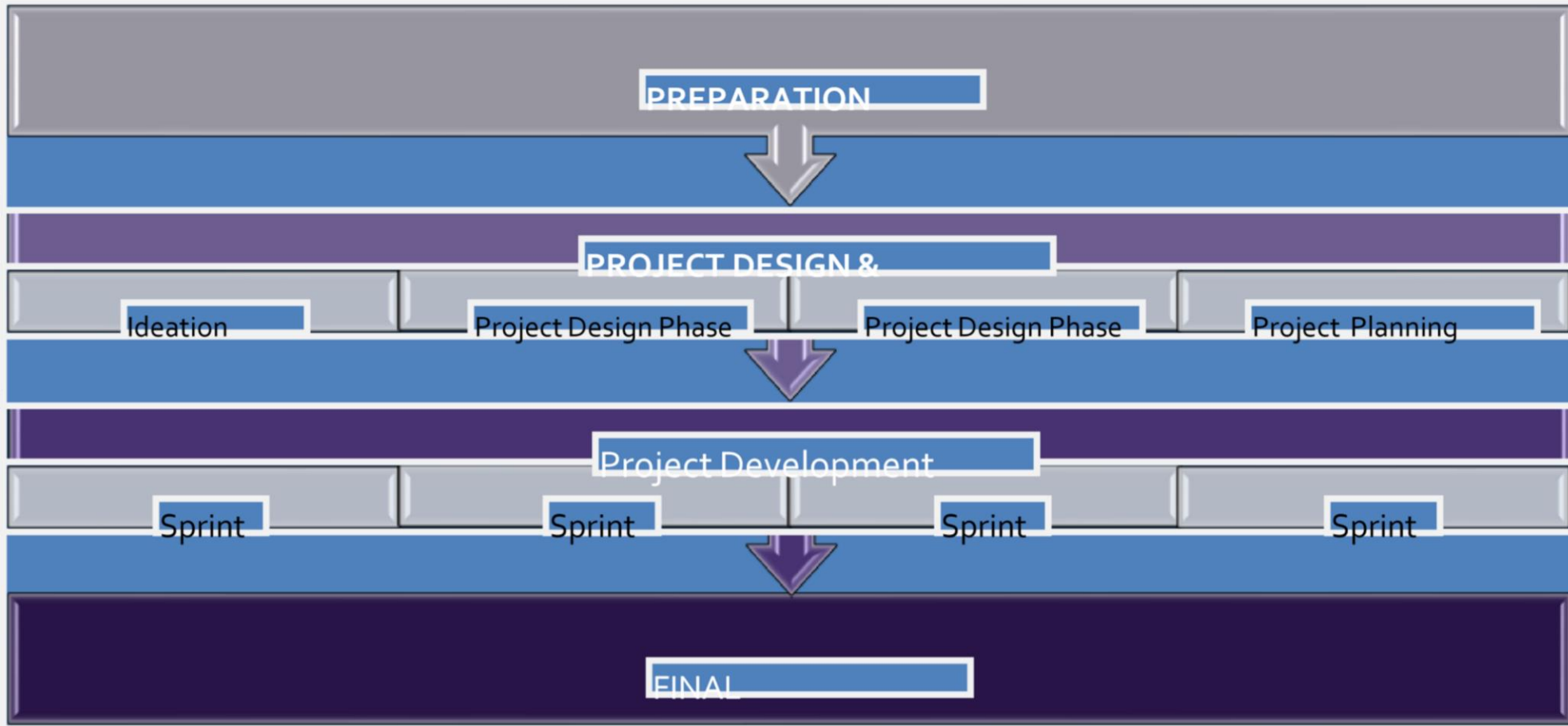PROJECT PLANNING PHASE

Milestone and Activity List

Team ID: PNT2022TMID06068

PROJECT MILESTONES

PREPARATION

PROJECT DESIGN &

| Ideation | Project Design Phase | Project Design Phase | Project Planning |

Project Development

| Sprint | Sprint | Sprint | Sprint |

FINAL

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 Diagrams, 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 & Data Flow Diagrams
		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