Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

Date	15 February 2025
Team ID	LTVIP2025TMID29266
Project Name	Sustainable Smart City Assistant using IBM Granite LLM
Maximum Marks	5 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data Collection	USN-1	As a developer, I want to collect smart city KPIs for model training	2	High	Tibirisetti Satish
Sprint-1	Data Collection	USN-2	As a developer, I want to load and verify the data format	1	Medium	Tibirisetti Satish
Sprint-1	Data Preprocessing	USN-3	As a developer, I want to handle missing values in smart city data	3	High	Sangani Kasu Raju
Sprint-1	Data Preprocessing	USN-4	As a developer, I want to encode categorical values properly	2	Medium	Sangani Kasu Raju
Sprint-2	Model Building (LLM/KPI)	USN-5	As a developer, I want to build a KPI forecasting	5	High	Singuluri Chandra Sagar

			model using LLM			
Sprint-2	Model Testing	USN-6	As a developer, I want to test model accuracy and performance	3	High	Sesetti Mohana Krishna
Sprint-2	Deployment & UI	USN-7	As a developer, I want to create a Gradio-based HTML UI	3	Medium	Sesetti Mohana Krishna
Sprint-2	Deployment	USN-8	As a developer, I want to deploy the app using Flask and IBM Granite LLM	5	High	Singuluri Chandra Sagar

Project Tracker, Velocity & Burndown Chart (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date	Story Points Completed
Sprint-1	8	5 Days	01 Feb 2025	(Planned) 05 Feb 2025	8
Sprint-2	16	5 Days	06 Feb 2025	10 Feb 2025	16

Velocity Calculation:

- Total Story Points: 24

- Total Sprints: 2

- Velocity = 24 / 2 = 12 Story Points per Sprint.