

Ideation Phase
Define the Problem Statements

Date	27 June 2025
Team ID	LTVIP2025TMID31710
Project Name	Sustainable Smart City Assistant Using IBM Granite LLM
Maximum Marks	2 Marks

Customer Problem Statement

PS	I am ... (customer)	I'm trying to ...	But ...	Because ...	Which makes me feel ...
PS-1	a city dweller rushing to work	check today's weather, pollution and traffic in one glance	I keep flipping between different apps	each service shows only one data set	overwhelmed before the day even starts
PS-2	a daily commuter with asthma	choose the cleanest, least-congested route	navigation tools ignore air-quality data	they don't combine traffic feeds with AQI levels	anxious about breathing bad air on the way
PS-3	a sustainability officer at City Hall	predict next year's energy and water demand	my spreadsheets stop at historical numbers	I don't have an easy forecasting tool I can trust	stuck making guesses instead of plans

How Smart City Assistant Addresses These Needs

Problem it tackles	What the project delivers
PS-1	A single Streamlit dashboard that pulls live weather, AQI and traffic data into one clean view—no app-hopping, just instant city status.
PS-2	Integrates TomTom congestion data with real-time pollution readings so commuters can pick routes that are both faster <i>and</i> healthier.
PS-3	Lets planners upload usage CSVs; Prophet models generate five-year forecasts and scikit-learn flags anomalies, turning raw numbers into actionable projections.