

User Acceptance Testing (UAT) Template

Date	27 June 2025
Team ID	LTVIP2025TMID32124
Project Name	Sustainable Smart City Assistant Using IBM Granite LLM
Maximum Marks	

Project Overview:

Project Name: Sustainable Smart City Assistant Using IBM Granite LLM

Project Description: An AI-powered platform leveraging IBM Watsonx Granite LLM to support urban sustainability, governance, and citizen engagement. The platform includes modules for traffic monitoring, policy summarization, citizen feedback, eco-advice generation, KPI forecasting, anomaly detection, and interactive AI chat.

Project Version: 1.0

Testing Period:19/05/2025 - 30/06/2025.

Testing Scope:

- Text Input Validation for feedback, eco-advice, and search fields.
- Traffic Monitoring and Analysis module for suggesting routes, timings, and famous places.
- Policy Summarization using IBM Granite LLM.
- Citizen Feedback Portal for issue reporting and categorization.

Testing Environment:

URL/Location: <https://deekshith6049.github.io/my-web-app/>

Test Cases:

Test Case ID	Test Scenario	Test Steps	Expected Result	Actual Result	Pass/Fail
TC-001	Text Input Validation for Feedback and Search Fields	1. Navigate to the feedback form or search bar. 2. Enter valid and invalid inputs. 3. Submit the form or search.	Valid inputs accepted, and errors shown for invalid inputs.	Valid inputs were accepted, and appropriate error messages were shown for invalid inputs.	Pass

TC-002	Traffic Monitoring and Analysis	<ol style="list-style-type: none"> 1. Enter the start and destination points. 2. Click "Analyze Traffic." 3. View suggested routes, timings, and places. 	Displays the best routes, timings, and recommended famous places.	The system successfully displayed optimized routes, timings, and attractions.	...
TC-003	Policy Summarization Using IBM Granite LLM	<ol style="list-style-type: none"> 1. Upload a city policy document in PDF or text format. 2. Click "Summarize." 	Generates a concise and accurate summary of the uploaded policy document.	Generates a concise and accurate summary of the uploaded policy document.	
TC-004	Citizen Feedback Portal	<ol style="list-style-type: none"> 1. Fill out the feedback form with issue details. 2. Categorize the issue. 3. Submit the report. 	Successfully logs the issue with correct categorization and acknowledgment.	Feedback was logged correctly, and acknowledgment was received instantly.	

Bug Tracking:

Bug ID	Bug Description	Steps to reproduce	Severity	Status	Additional feedback
BG-001	Error in feedback form validation for special characters	<ol style="list-style-type: none"> 1. Open the feedback form. 2. Enter special characters (e.g., @#!). 3. Submit the form. 	Medium	Open	The error message appears, but the form does not block the invalid input.
BG-002	Traffic analysis module fails for long-	<ol style="list-style-type: none"> 1. Input a very long start-to-destination route. 	High	In Progress	The system crashes while calculating routes

	distance routes	2. Click "Analyze Traffic."			for long distances.
BG-003	KPI forecast graph not rendering correctly	1. Upload a valid KPI CSV file. 2. Click "Forecast." 3. Check the generated graph.	Medium	Open	Graph labels overlap, making the chart unreadable.
BG-004	Policy document upload failing for large files	1. Upload a policy document larger than 50 MB. 2. Wait for the upload to process.	High	In Progress	Large files cause the system to timeout or throw an error.

Sign-off:

Tester Name: [CH.Swetha]

Date: 19/05/2025- 30/06/2025

Signature: Ch.Swetha