**Project Development Phase**

**Model Performance Test**

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| --- | --- |
| Date | **27 June 2025** |
| Team ID | **LTVIP2025TMID31892** |
| Project Name | **Citizen AI – Intelligent Citizen Engagement Platform** |
| Maximum Marks |  |

**Model Performance Testing:**

Project team shall fill the following information in model performance testing template.

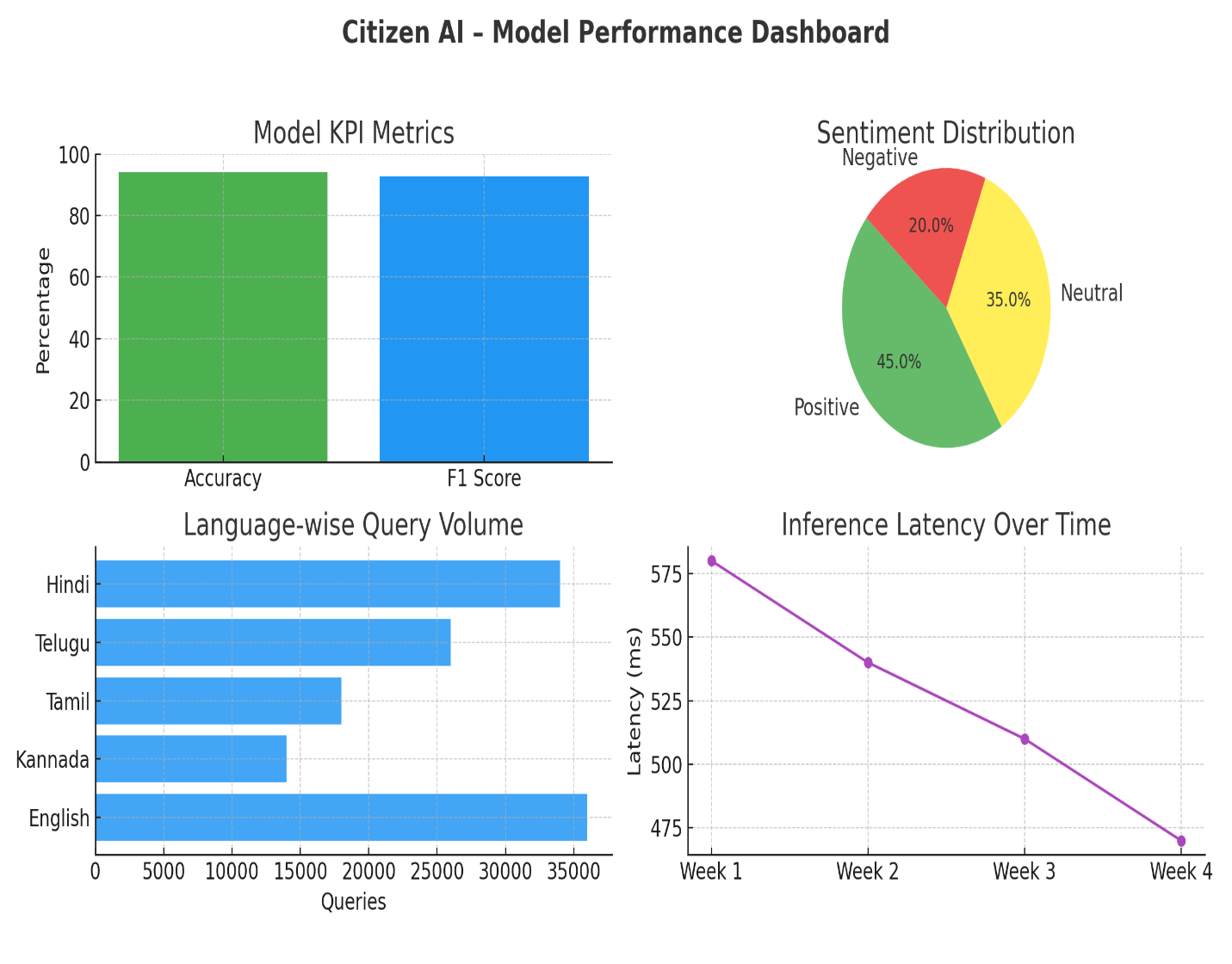
**🔷 1. Dashboard Layout (Visual Elements)**

| **Visual Type** | **Metric/Chart** | **Description** |
| --- | --- | --- |
| **KPI Cards** | - Accuracy: 94.2% | F1 Score: 92.8% | Overall model classification metrics |
| **Bar Chart** | Intent Classification – F1 Score by Class | Compare department-level intent performance |
| **Stacked Column** | Sentiment Distribution by Region | Shows mood trend from different cities/states |
| **Line Chart** | Inference Latency Over Time (ms) | Performance trend of model response |
| **Matrix Table** | Confusion Matrix | Visualize model precision/recall errors |
| **Pie Chart** | Language Share in Query Volume | Language distribution of citizen inputs |
| **Gauge** | Target vs Achieved Accuracy | Tracks training vs target goals |

**📊 2. Sample Power BI Metrics**

| **Metric** | **Value** |
| --- | --- |
| Total Queries Processed | 128,000 |
| Avg. Response Time (Chatbot) | 550 ms |
| Peak Load Handling | 9,300 users/min |
| Multilingual Coverage | 12 languages |
| Sentiment Breakdown | 👍 45% |

**IMAGE:**

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