**Project Design Phase-II**

**Solution Requirements (Functional & Non-functional)**

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| --- | --- |
| 📅 Date | 30JUNE 2025 |
| 👥 Team ID | LTVIP2025TMID31307 |
| 👥 Team Size | 4 |
| 👑 Team Leader | K Veera Venkkateshh |
| 👤 Team Members | - G Satya Veera Durga Prasad  - K Manikanta  - K Vikhitha |
| 📌 Project Name | Public Transport Management System |

**Functional Requirements**

| FR No. | Functional Requirement (Epic) | Sub Requirement (Story / Sub-Task) |
| --- | --- | --- |
| FR-1 | Employee Management | Create, edit, and delete employee records |
| FR-2 | Employee Management | Define and assign roles and responsibilities to employees |
| FR-3 | Bus & Station Management | Maintain information on all bus stations (location, facilities) |
| FR-4 | Bus & Station Management | Maintain detailed records of all buses (model, capacity) |
| FR-5 | Trip Management | Manage bus schedules and assign buses to specific routes and trips |
| FR-6 | Trip Management | Define and manage ticket fares for different routes and bus types |
| FR-7 | Trip Management | Track daily trips for each bus (start/end times, routes, driver) |
| FR-8 | Trip Management | Record the number of passengers on each trip |
| FR-9 | Automation | Calculate and track the total ticket fare amount collected from each trip |
| FR-10 | Reporting & Dashboards | Provide real-time dashboards for key metrics (passenger count, revenue) |
| FR-11 | Reporting & Dashboards | Generate reports on various operational metrics |

**Non-functional Requirements**

| NFR No. | Non-Functional Requirement | Description |
| --- | --- | --- |
| NFR-1 | Usability | User-friendly interface for all roles (Transport Admins, Drivers, Conductors, Managers) |
| NFR-2 | Security | Role-based access, data protection for operational data, and compliance with data standards |
| NFR-3 | Reliability | High availability and accuracy of public transport operational data |
| NFR-4 | Performance | Fast response times for viewing trip details, accessing reports, and dashboard loading |
| NFR-5 | Availability | 99.9% uptime on the Salesforce platform |
| NFR-6 | Scalability | Capable of handling increasing users, buses, daily trips, and passenger data |