**Project Design Phase-II**

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

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| Date | 31 January 2025 |
| Team ID | LTVIP2025TMID49115 |
| Project Name | Visualization tool for electric vehicle charge and range analysis |
| Maximum Marks | 4 Marks |

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

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| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| FR-1 | User Registration | Registration through Form  Registration through Gmail  Registration through LinkedIN |
| FR-2 | User Confirmation | Confirmation via Email  Confirmation via OTP |
| FR-3 | User Login | Login via Email and Password  - Login via OAuth (Gmail/LinkedIn) |
| FR-4 | User Dashboard | View user profile  - Edit profile information  - View account activity |
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**Non-functional Requirements:**

Following are the non-functional of the proposed solution.

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| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | The application should have an intuitive and easy-to-navigate interface |
| NFR-2 | **Security** | User data must be encrypted; secure login methods must be enforced |
| NFR-3 | **Reliability** | The system should function correctly under expected conditions without failure |
| NFR-4 | **Performance** | The system should respond to user actions within 2 seconds |
| NFR-5 | **Availability** | |  | | --- | |  |  |  |  | | --- | --- | | |  | | --- | |  | | |
| NFR-6 | **Scalability** | The system should support increasing users and data without major performance loss |

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