# Project Design Phase-II

Solution Requirements (Functional & Non-functional)

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| Date | 17 January 2025 |
| Team ID | LTVIP2025TMID48532 |
| Project Name | Measuring the Pulse of Prosperity: An Index of Economic Freedom 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, Gmail, LinkedIn |
| FR-2 | User Confirmation | Confirmation via Email, Confirmation via OTP |
| FR-3 | User Login | Login via Email/Password, Social Login (Gmail/Facebook) |
| FR-4 | Explore Economic Index | View country index, Pillar-wise breakdown |
| FR-5 | Compare Countries | Side-by-side comparison, Chart visualizations |
| FR-6 | Save & Bookmark | Bookmark country profiles, Save comparisons |
| FR-7 | Admin Management | Update Index Data, Manage User Access |

## Non-functional Requirements

Following are the non-functional requirements of the proposed solution.

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| NFR No. | Non-Functional Requirement Description |
| NFR-1 | Usability: The system should be user-friendly with an intuitive UI/UX. |
| NFR-2 | Security: Implement data encryption, secure login, and user data protection. |
| NFR-3 | Reliability: Ensure system availability with minimal downtime and regular backups. |
| NFR-4 | Performance: System should respond within 2 seconds for 95% of operations. |
| NFR-5 | Availability: 99.9% uptime should be ensured with redundancy and failover mechanisms. |
| NFR-6 | Scalability: System should handle increased users and data growth efficiently. |