

Requirement Analysis

Solution Requirements (Functional & Non-functional)

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|---------------|--|
| Date | 25-06-2025 |
| Team ID | LTVIP2025TMID48415 |
| Project Name | Measuring the Pulse of Prosperity: An Index of Economic Freedom Analysis |
| Maximum Marks | 4 Marks |

Functional Requirements (FR)

These are the essential actions or operations the system must perform:

| FR No. | Functional Requirement (Epic) | Sub Requirement (Story / Sub-Task) |
|--------|---|--|
| FR-1 | User Registration | <ul style="list-style-type: none">- Registration through Form- Registration through Gmail- Registration through LinkedIn |
| FR-2 | User Confirmation | <ul style="list-style-type: none">- Confirmation via Email- Confirmation via OTP |
| FR-3 | <i>(To be defined based on project specifics, e.g., dashboard viewing, report generation)</i> | <ul style="list-style-type: none">- View electricity consumption dashboards- Navigate between multiple dashboard pages |
| FR-4 | <i>(To be defined, e.g., download visualizations, filter data, etc.)</i> | <ul style="list-style-type: none">-Download visualizations as images- Export summary reports- Share dashboard link via social media or email |

Non-Functional Requirements (NFR)

These define the **quality attributes** of the system:

| NFR No. | Requirement | Description |
|---------|---------------------|---|
| NFR-1 | Usability | The system must offer an intuitive interface, easy navigation, and accessibility. |
| NFR-2 | Security | Must ensure secure login, data encryption, and protection against breaches. |
| NFR-3 | Reliability | System should consistently perform without failure. |
| NFR-4 | Performance | The system should handle data loads and render dashboards quickly. |
| NFR-5 | Availability | The platform must be accessible 24/7 with minimal downtime. |
| NFR-6 | Scalability | The system should support more users and data as the project grows. |