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**Project Design Phase-II**
**Solution Requirements (Functional & Non-functional)**

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**Team ID:** PNT2022TMID37556

**Project Name:** University Admit Eligibility Predictor

**Functional Requirements:**

| FR No. | Non-Functional Requirement | Description |
|--------|----------------------------|-------------|
| NFR-1 | Usability | <ul><li>No training is required to use the website.</li><li>The form, home, about, FAQ and analysis pages load up within 10 seconds.</li><li>The results from the predictor should not take more than 30 seconds .</li></ul> |
| NFR-2 | Security | <ul><li>The system shall provide password protected access to the website to all users – students and admins.</li></ul> |
| NFR-3 | Reliability | <ul><li>The system shall be completely operational all hours of the day unless system failure or upgradation work is to be performed</li><li>Down time after a failure shall not exceed 24 hours .</li></ul> |

| NFR-4 | Performance | |
|---|---|---|
| | | ⭕ The system can support any number of users |

Following are the functional requirements of the proposed solution.

| FR No. | Functional Requirement (Epic) | Sub Requirement (Story / Sub-Task) |
|---|---|---|
| FR-1 | User Registration | ⭕ Registration through Form<br>⭕ Registration through Gmail<br>⭕ Registration through LinkedIN |
| FR-2 | User Confirmation | ⭕ Confirmation via Email<br>⭕ Confirmation via OTP |
| FR-3 | User filling the required details | ⭕ Enter the marks or percentage obtained in SSLC and<br>HSC.<br>⭕ Enter the UG percentage or CGPA for PG admission.<br>⭕ Enter the preferred Location. |
| FR-4 | Analyzing | ⭕ Analysis user credentials and compare with universities criteria. |
| FR-5 | Predicting | ⭕ Predicting the probability for getting admissions in the universitis by analysing various machine learning algorithms. |

**Non-functional Requirements:**

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

| | | |
|---|---|---|
| | | at a time.<br>⭕ The mean time to view a web page over a 56Kbps modem connection shall not exceed 5 seconds. |
| NFR-5 | Availability | ⭕ The system will be able to incorporate more features without major reengineering.<br>⭕ The system web site shall be viewable from Internet Explorer 4.0 or later, Netscape Navigator/Communicator 3.0 or later and the America Online web browser version 3.0 or later. |

| NFR-6 | Scalability | O The scope of this project is a web application that allows users to enter their academic data and get predictions of their chances of admissions in the university tier of their choosing. |
| :--- | :--- | :--- |
| | | O It also provides them answers to the most common FAQ's that arise when thinking of admissions abroad for Post Graduate studies. |
| | | O It also provides an analysis based on the data set used that shows how the different parameters affect chances of admissions. |
| | | O A Database will also be implemented for the system so that students can save their data and review and edit it as they progress with the most recent predictions being saved with their profile. |