

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

**University Admit Eligibility Predictor**

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User authentication	Requirements concerning this function require plenty of details so that you can meet all relevant information security regulatory requirements.
FR-2	Web Service Management Process	Web Service Management process by Web Portal admin in registering web client to do SSO (Single sign-on) or member data communication
FR-3	Student data export process	A Process where web client admin take member data from web server to be analysed in web client
FR-4	Student Data Management	Web portal admin is able to add, edit, or erase student data or user data
FR-5	Department Data Management	Web Portal admin is able to add, edit, or erase department data or eligibility criteria
FR-6	Data retention	<ul style="list-style-type: none"><li>Proposed application system handle archival, retrieval, and retention of historical data.</li><li>Provide sufficient details concerning these.</li></ul>
FR-7	Compliance requirements	Application might need to comply with several regulations. These could include data privacy, information security, transparency, and various other aspects. Document them in detail.

## Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	The error rate of users submitting their details at the checkout page mustn't exceed 10 percent.
NFR-2	<b>Security</b>	Authorization access scenarios and definitions, hand-over procedures for Student records between University
NFR-3	<b>Operational</b>	Physical and technical environment constraints including integration and portability concerns
NFR-4	<b>Performance</b>	<ul style="list-style-type: none"><li>• Speed, reliability, and capacity of the system.</li><li>• The landing page supporting 5,000 users per hour must provide 6 second or less response time in a Chrome desktop browser, including the rendering of text and images and over an LTE connection.</li></ul>
NFR-5	<b>Availability</b>	The web dashboard must be available to US and IND users 99.98 percent of the time every month during business hours EST & IST.
NFR-6	<b>Cultural and Political</b>	Cultural, political, and legal factors affecting the system including best-practice standards, government regulations, professional standards, location specific policies and practices
NFR-7	<b>Scalability</b>	<ul style="list-style-type: none"><li>• Horizontal scaling is provided by adding more machines to the pool of servers.</li><li>• Vertical scaling is achieved by adding more CPU and RAM to the existing machines.</li></ul>
NFR-8	<b>Portability</b>	A program running on Windows 10 must be able to run on Windows 11 without any change in its behaviour and performance.