

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

Date	23 October 2022
Team ID	PNT2022TMID04204
Project Name	Project – University Admit Eligibility Predictor
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Users must be able to log into their accounts utilizing the system by supplying their individual email and password in order to prevent illegal access to the system.
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Data Management	This application enables the user to CRUD (Change, Read, Update, and Delete) data.
FR-4	Web Service Management Process	Web Service Management is the process of registering a web client to provide SSO (Single sign-on) or member data transmission.
FR-5	Data retention	The proposed application system handles historical data archiving, retrieval, and retention.
FR-6	User Deliverables	Submission of relevant documents - Required Entrance Exam Marksheet, Curriculum Vitae (CV), Personal Information, Letter of Recommendation
FR-7	User Profile	Applicant's dashboards - Personal information, Wish list, skills and course, percentage

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	For the system to be user-friendly and to speed up common tasks, a logical interface is needed. Users cannot enter their information incorrectly more than 10% of the time on the checkout page.
NFR-2	Security	Student record handover procedures between universities as well as authorization access scenarios and definitions. Use specific cryptography methods. Communication must be restricted while the programme is validating the user or licence.
NFR-3	Reliability	Data corruption is avoided by employing backup methods and strategies. At the moment of input, all data stored for user variables will be committed to the database.
NFR-4	Performance	Due to the fact that each student will only be given a maximum of 10 minutes, the availability results of the requested college should be provided to the student in less than two seconds, and data retrieval should be reliable.
NFR-5	Availability	The user should always have simple access to the system at all times. A replacement page will be displayed in the event of hardware or database failure, and the database will be found in the data folder.
NFR-6	Scalability	identifies the maximum workload at which the system will still function properly. focuses on measuring the system's response time under various load conditions.