

Solution Requirements

(Functional & Non-functional)

Date	8 November 2022
Team ID	PNT2022TMID20988
Project Name	University Admit Eligibility Predictor
Maximum Marks	4 Marks

Functional Requirements:

Functional requirements of the proposed solution

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR 1	User Registration	Registration through Form Registration through mail Registration through LinkedIn
FR.2	User Confirmation	Confirmation via Email Confirmation via OTP
FR 3	User Login	Login with username and password Login through Gmail Login through LinkedIn
FR 4	Administration work	Check certified candidate's details Make allotment
FR 5	Admission Details	Check for available seats Check for college infrastructure Check fees details
FR 6	Local counsellor	Issue the final allotment order

Non-functional Requirements:

Non-functional requirements of the proposed solution.

NFR No.	Non Functional Requirement	Sub Requirement (Story / Sub-Task)
NFR 1	Usability	<p>i)A logical interface is essential for the ease of the system to speed up all the common tasks</p> <p>ii)The product can be used mainly by administrators and other users.</p>
NFR.2	Security	<p>Some of the factors that are identified to protect the software from malicious access, destruction are described below:</p> <p>i)Keep specific history data sets.</p> <p>ii)Utilize certain cryptographic techniques</p> <p>iii)Check data integrity for critical variables</p> <p>iv) Communication needs to be restricted when the application is validating the user</p> <p>v)Every user should be licensed to use the system</p> <p>vi)Restrict the number of systems that can access the online admission site</p>
NFR 3	Reliability	<p>i)All data storage for user variables will be committed to the database at the time of entry.</p> <p>ii)Data corruption is prevented by applying the possible backup procedures and techniques.</p>

NFR 4	Performance	<p>i)The database should be able to accommodate a minimum of 10,000 profile records of students.</p> <p>ii)At any instant the system should support use of multiple users at a time.</p> <p>iii)Availability of the requested university should be presented to the student in maximum of two seconds, so retrieving of data should be reliable.</p> <p>iv)As each student is given a maximum time of 10 minutes, accessing from the database should be done at relevant speed.</p>
NFR 5	Availability	<p>The system should be designed in such a way that it can be accessed by the user anytime from any place. In case of increase of hardware and database failure, a replacement page will be shown. Database can be retrieved from the data folder.</p>
NFR 6	Scalability	<p>Assesses the highest workloads where the performance of the system should not be compromised. It deals with the system's response time under different load condition requirements.</p> <p>Example: The system must be scalable enough to support 1,000,000 visits at the same time while maintaining accuracy and optimal performance.</p>