PROJECT DESIGN PHASE-II

Solution Requirements (Functional & Non-functional)

Date	11 October 2022
Team ID	PNT2022TMID32265
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	Registration through Form Registration through Gmail Registration through LinkedIN
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Login	Login through username and password Login through Gmail Login through LinkedIN
FR-4	Admission Details	Check seat availability Check college infrastructure Check fees details
FR-5	Administration work	Check qualified candidate detail Make allotment
FR-6	Local counsellor	Issue the final allotment order

Non-functional Requirements:

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

NFR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	i. A logical interface is essential to make easy use of system, speeding up common tasks. ii. The product could be used by two categories of people mainly administrator category and other users.
NFR-2	**Security**	Some of the factors that are identified to protect the software from accidental or malicious access, use, modification, destruction, or disclosure are described below: i. Keep specific log or history data sets. ii. Utilize certain cryptographic techniques.

		iii. Restrict the no of systems that can access the online admission system site. This could be done only by registering the systems physical addresses before using them for online admission process. iv. Check data integrity for critical variables. v. Every user should be licensed to use the system under any of the four categories provided i.e. either verifier or advisor or local counsellor or administrator. vi. Communication needs to be restricted when the application is validating the user or license. (i. e. using https).
NFR-3	**Reliability**	i. All data storage for user variables will be committed to the database at the time of entry. ii. Data corruption is prevented by applying the possible backup procedures and techniques.
NFR-4	**Performance**	i. The database should be able to accommodate a minimum of 10,000 records of students. ii. At any instant the system should support use of multiple users at a time. iii. Availability results of the requested college should be presented to the student in max of two seconds, so retrieving of data should be reliable. iv. As each student will be given a maximum time of 10min, accessing from the database should be done at relevant speed.
NFR-5	**Availability**	The system should available at all the time meaning that the user can access easily. Increase of the hardware and data base failure a replacement page will be show and for database back should be retrieved from data folder.
NFR-6	**Scalability**	Assesses the highest workloads under which the system will still meet the performance Deals with the measure of the system's response time under different load conditions requirements. Example: The system must be scalable enough to support 1,000,000 visits at the same time while maintaining optimal performance.