Solution Requirements
(Functional & Non-functional)

Date	26 October 2022
Team ID	PNT2022TMID53848
Project Name	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	Administration work	Check qualified candidate details Make allotment
FR-5	Admission Details	Check seats and availability Check college infrastructure Check fees details
FR-6	Local counsellor	Issue the final allotment order

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	1) A logical interface is essential to making the system easier to use and speeding up common tasks. 2) This product can be used mainly by people in two categories as administrators and other users.
NFR-2	**Security**	Some of the factors identified to protect the Software from accidental or malicious access, use, alteration, destruction or disclosure are described below. 1) Retain certain log or historical records. 2) We use certain encryption techniques.

		3) 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. 4) Check data integrity for critical variables. 5) Each user must be licensed to use the system in one of the four categories offered i.e. either verifier or consultant or local consultant or administrator. 6) When a application validates a user's or her license, communication should be restricted.
NFR-3	**Reliability**	1) All data storage of user variables is committed to the database upon entry. 2) Data corruption is prevented through the use of available backup procedures and techniques.
NFR-4	**Performance**	1) The database should be able to hold records for at least 10,000 students. 2) Systems should always support the use of multiple users at the same time. 3) Data retrieval must be reliable, as availability results from requested colleges must be presented to the student within two seconds. 4) Each student is given a maximum of 10 minutes, so database needs to be accessed at reasonable speeds.
NFR-5	**Availability**	The system should be available at all times. This means that users can easily access it. In the event of hardware and database failure, a replacement page is displayed and the database's data folder is retrieved.
NFR-6	**Scalability**	Evaluate the heaviest workload for which the system meets the performance requirements. Addresses the measurement of system response time under various load conditions. Example: A system should be scalable enough to support 1,000,000 concurrent accesses while maintaining optimal performance.