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

Date	02 November 2022
Team ID	PNT2022TMID02482
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
FR-4	Administration work	Check qualified candidate detail Make allotment
FR-5	Admission Details	Check seat 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**	i. logical user interface is necessary for simple system use and to expedite routine activities. ii. The product can be utilized by two different types of users, primarily administrators and ordinary users.
NFR-2	**Security**	The following is a list of some of the factors that have been found to prevent malicious or unintentional access, usage, modification, destruction, or disclosure of the software: i. Maintain particular log or historical data sets. ii. Apply specific cryptography methods. iii. Limit the number of devices that can access the website for the online admission system. Only by registering the system's physical addresses before using them for the online admissions process could this be accomplished.

		iv. Verify the integrity of the data for crucial variables. v. Each user should be granted a permission to use the system under one of the four available categories, namely administrator, local counsellor, adviser, or verifier. vi.When the programme is validating the user or licence, communication must be restricted.
NFR-3	**Reliability**	I. At the time of entry, all user variable data will be committed to the database. ii. By using the available backup procedures and techniques, data corruption is avoided.
NFR-4	**Performance**	i. The database should have room for at least 10,000 student records. ii. The system must allow for the simultaneous use of several users at any same moment. iii. The student should be shown the availability results of the desired college in no more than two seconds, therefore data retrieval must be accurate. iv. Because each student will only have a maximum of 10 minutes, accessing the database must be done quickly.
NFR-5	**Availability**	The system should always be accessible, allowing for simple user access. A substitute page will be displayed in the event that the hardware and data base fail, and the data folder should be recovered to restore the database.
NFR-6	**Scalability**	Identifies the maximum workloads at which the system will still operate well. focuses on the measurement of the system's response time under various load levels. As an illustration, the system needs to be scalable enough to accommodate 1,000,000 simultaneous visitors while still performing at its best.