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

Date	03 October 2022
Team ID	PNT2022TMID12607
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 can register by filling details form. Users can register through Gmail.
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Details	Upload the required documents for admission prediction ❖ Curriculum Vitae (CV) or Resume ❖ Letter of Recommendation (LOR) ❖ GRE and TOEFL Score Marksheet ❖ Statement of Purpose (SOP) ❖ Research Publications (DOI)
FR-4	User Requirements	In order to begin with process of predicting the admit eligibility of a candidate at a university, the activities to be done are: ❖ Submit all the relevant documents in the specified location at the website. ❖ Based on the submitted information, the UAEP system collects all the information necessary for prediction. ❖ The list of universities that are available in the website are displayed to the user.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	❖ There should not be any technical dependency required for the system. In other words, even a naïve user should be able access the system with ease. ❖ The user-interface of the website should be designed in such a way each page focuses on recognize over recall. ❖ The system should be user-friendly and should display hints wherever necessary. ❖ All the input fields present in the website should be self-explanatory. ❖ The time taken for the webpage to load and display content should be less than 15 seconds. ❖ Reduced focus on short term memory load. ❖ The website must be responsive and compatible across all the types of devices in which the site is accessed.

NFR-2	**Security**	❖ The backend database must be periodically backed up to ensure the consistency and reliability. ❖ The system should be able to rollback to normal state on occurrence of any errors or faults. ❖ The system should provide authentication and authorization of the users and allow only authorized ones to utilize the services of the site.
NFR-3	**Reliability**	❖ The system should be able to function for 24 x 7 hours for a week. ❖ The importance of data being stored and costs involved in damages force the system to be more reliable. ❖ The system must be able to quickly handle and recover from any of the failures or crashes.
NFR-4	**Performance**	❖ The website must efficiently handle by servicing the request as soon as possible. ❖ The internet requirements of the user should not drastically affect the system performance. ❖ The search and filter operations can be made quick by the usage of indexes in the database.
NFR-5	**Availability**	❖ Data redundancy should be minimized. ❖ The system should be less error-prone. ❖ Fast and efficient usage. ❖ The system should be able to function for 24 x 7 hours for a week.
NFR-6	**Scalability**	❖ The system should be able to handle a reasonable amount of user-traffic and provide results efficiently. ❖ The admission or intake season is the crucial time where the system tends to experience huge amount of traffic ❖ It must be able to manage a number of concurrent users.