

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

Date	15 October 2022
Team ID	PNT2022TMID51972
Project Name	Project - University Admit Eligibility Predictor

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 Information	All the grades and scores necessary for the user's admission will need to be provided. These include, <ul style="list-style-type: none">English Proficiency Test scores (at least one of the following 2):<ul style="list-style-type: none">IELTS BAND score on a 9-point scaleTOEFL score out of 120 marksKnowledge Evaluation Test scores (which test score depends on which program the student wishes to apply to):<ul style="list-style-type: none">GRE score out of 340 marksGMAT score out of 800 marksHigh School / Undergraduate CGPA on a 4.0-point scale
FR-4	User Tasks	The user should complete the following tasks to get their admission prediction scores: <ul style="list-style-type: none">Create an account and enter all the required personal detailsUpon successful verification, enter the test scores required for admission predictionSelect the university(s) the user wishes to apply to Upon immaculate completion of these tasks, the user's chances of acceptance to the selected university(s) will be provided

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	<ul style="list-style-type: none"> • Relatively simple interface so User – Friendly • User does not need to know how the solution works i.e., no technical expertise is required to use the product • Takes very little time to provide results as our solution will be adequately optimized under various operational conditions
NFR-2	Security	<ul style="list-style-type: none"> • Standard authentication protocols will be implemented. • Only those with the correct credentials will be allowed to login into their account • Privacy is guaranteed. The user's personal information will not be shared with any third party
NFR-3	Reliability	<ul style="list-style-type: none"> • The user can rely on the solution to provide results with the highest possible accuracy • The solution will be thoroughly optimized and tested to ensure fault-free operation • Easy-to-use interface, thus the user can share or recommend the solution to friends and family and rest assured that they won't be perplexed
NFR-4	Performance	<ul style="list-style-type: none"> • The solution will be sufficiently trained to function under stressful workloads • Efficiently optimized to provide results as soon as possible given the speed of the user's internet connection • Concrete and precise results are guaranteed
NFR-5	Availability	<ul style="list-style-type: none"> • The solution will be available 24/7 discounting the maintenance periods • Performance of the solution will always be monitored to ensure flawless results at all times • Any reported errors will be quickly fixed so quick recovery is warranted
NFR-6	Scalability	<ul style="list-style-type: none"> • The solution can be enhanced to provide predictions on universities around the world. • The accuracy of the results can also be improved by integrating another ML approach if it is found to be more effective • The system can be improved to handle more concurrent users if available capacity is not adequate enough