

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

Date	15 October 2022
Team ID	PNT2022TMID33252
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	<ul style="list-style-type: none">Visit the university board official website. Create your account. Submit all your required details. Choose which exam you want to give along with your nearest test center or online mode site.
FR-2	Algorithms	<ul style="list-style-type: none">Can machine learning algorithms improve the accuracy in predicting the application status of students aspiring to enrol for test.
FR-3	Objectives	<ul style="list-style-type: none">Learning data mining algorithms and implementing them in the real data sets.Building an efficient university research site for the students who have been planning to apply for master programs in various disciplines.Recommending best suitable universities to students based on their GRE, GPA and TOEFL scores and also predicting admission probability.
FR-4	Documents / certificates.	<ul style="list-style-type: none">Two-Year PUC or Class 12 Mark sheets , UG Degree Marks Cards / Transcript, Degree Certificate or Provisional Degree Certificate, entrance Test Score Card (if applicable).Universities are only likely to check your certificates as extra proof if there is doubt about the accuracy of the grades that you have provided on your application.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Usability testing is the practice of testing how easy a design is to use with a group of representative users. It usually involves observing users as they attempt to complete exams and can be done for different types of tests.
NFR-2	Security	<ul style="list-style-type: none">• Monitor Access Control Management.• Dynamic Analysis (Penetration Testing).• Static Analysis (Static Code Analysis).• Check Server Access Controls.• Ingress/Egress/Entry Points.• Session Management.• Password Management.• Brute-Force Attacks.
NFR-3	Reliability	The reliability of test scores is the extent to which they are consistent across different occasions of testing, different editions of the test, or different raters scoring the test taker's responses.
NFR-4	Performance	Performance testing is a non-functional software testing technique that determines how the stability, speed, scalability, and responsiveness of an application holds up under a given workload.
NFR-5	Availability	It might be within a few days, but equally it might be a few weeks or even months. Most of the time you'll hear back before the end of March, but some courses stay open until right through until the end of June, or may continue to make rolling offers until the July deadline.

NFR-6	Scalability	Scalability testing, is the testing of a software application to measure its capability to scale up or scale out in terms of any of its non-functional capability. Performance, scalability and reliability testing are usually grouped together by software quality analysts.
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