

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

Date	03 October 2022
Team ID	PNT2022TMID35768
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 the website by entering the username and password
FR-2	User Confirmation	Confirmation via Email
FR-3	Collecting user details	Collect the GRE, TOEFL, University Rating, SOP, LOR, CGPA, Research data from the users.
FR-4	User login	Login page for users with username and password field.
FR-5	Prediction	Using the trained model conduct prediction for the details entered by the user.
FR-6	Display results	display the prediction results to the user along with the percentage of chance of admit and also display the similar universities that the user has good chances of getting admitted.
FR-7	Store user details	store the details entered by the user in the database so that the details of scores need not be collected every time the user wants to check for different universities.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Website should be accessible by the user and admin without any problems. Website should be user friendly so that no prior experience is needed for users to be able to use it. Results should be prompt.

NFR-2	Security	<p>Ensure that user data is protected so that they are not visible to other users.</p> <p>Users should not be able to login without password verification.</p> <p>Protect the data from any external attacks.</p>
NFR-3	Reliability	<p>Prediction results must be of high accuracy and thus is reliable for the users to take important decisions.</p>
NFR-4	Performance	<p>Website should load in a few seconds and must be responsive throughout the user's interaction with it.</p> <p>The website should not lose the performance even when multiple users use it simultaneously.</p> <p>The website needs to have the same specification of the look and feel in both laptop / desktop and mobile phones.</p>
NFR-5	Availability	<p>The website must be available all the time for the users to use it.</p> <p>Should have backup servers to ensure the website does not become non functional due to any difficulties.</p>
NFR-6	Scalability	<p>The website must be built in such a way that future addition of any functionality to the website can be made easily or the entire website can be exported as a functionality for any other big application.</p>