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

Team ID	PNT2022TMID23950
Project Name	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 Facebook
FR–2	User Confirmation	Confirmation via Email
FR–3	User login	Login via Email Id and password Login directly Facebook Forgot Password
FR–4	User logout	Logout button at navigation bar Logout button at profile page
FR–5	Profile/Dashboard	User Details Settings Log out
FR–6	Admit Predictor	Information about the predictor tool – working, accuracy etc. Fill required fields – target university, varoius scores, grades, etc Confirm details – predict chance
FR–7	Visualized Results	Prediction result output through graphs/charts/bar graphs Summary of the result in text Save result Try again for other university
FR–8	Recommendation Section	Reccommended universities based on past cutoff/score and user score Suggest improvments Link for Relevant Blogs/Helpful resources
FR–9	Universities	Log in View all university based on location Link to university websites Courses and cutoff's of universities
FR–10	Social Share Links	Need help section –FAQ Contact us Email link Reach us out via Twitter Reach us out via Facebook
FR–11	User Review/Feedback	Rate us section Feedback form(Specific to predictor and website experience) Suggest Features/Report Bugs

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Usability of website maintained by : 1. UI/UX designed to support varoius devices, 2. Consistent design and layout with visible links/buttons, modular sub menus, 3. Seamless experience with good navigation, 4. Balanced and clear contents, CTA's and graphics with intuitive split of content on multiple pages, 5. Relevant and attractive images,icons and videos
NFR-2	Security	Following CIA triad to secure the website and user data: 1. Confidentiality-acces control on information, limited access and file permissions, IAM,strong passwords(>8 char), admin roles 2. Integrity- accurate and unaltered data via encryption, SSL certification. 3. Availability- data access when needed; with firewalls. 4. Updated and secure extension/software/API(s).
NFR-3	Reliability	The website is made reliable by: 1. Fast loading, 2. Secure website, 3. Available at all time - 99.8%, 4. On failure or under attack database rollbacks to safe commits,
NFR-4	Performance	For better perforamnace : 1. Simple and Modular website with fast loading(<3sec) 2. Moderate page size of html, css, javascript files,deferred render blocking code, 3. Fully compressed and optimised images/videos, 4. Effective mobile experience, 5.Use of CDN
NFR-5	Availability	1. Ensuring anytime, anywhere and all time availability(99.8%), 2. Notified planned maintenance, 3. Automated testing of website to test for uptime,monitoring etc.
NFR-6	Scalability	The website is made scalable by: 1. One site = one container logic, 2. Use of cloud (IBM Cloud) features like load balancing, traffic management, resource provisioning etc.

		3. By scaling databse, scaling horizontally and use of asynchronism.