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

Date	17 October 2022
Team ID	PNT2022TMID44533
Project Name	Predicting The Energy Output Of Wind TurbineBased On Weather Condition
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 Form Registration through Gmail Registration through LinkedIN
FR-2	User Confirmation	Confirmation via EmailConfirmation via OTP
FR-3	User Application	Filling of application Modification of applicationVerification of application
FR-4	Predicting Output	Checking weather of a cityInput different attributes Predict the output

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Simple and understandable UI.Easy to navigate Smooth and seamlessEasy to comprehend
NFR-2	**Security**	Restricted access to data.Login verification Registration verification Upholding privacy of user
NFR-3	**Reliability**	Backup to prevent data loss Negation of data loss due to

		lag.
NFR-4	**Performance**	Web based application. Requires minimum Intel Pentium 4 processor, 4GB RAM, 1280x1024 screen with application window size 1024x680
NFR-5	**Availability**	Platform independent support.

NFR-6	Scalability	Can operate efficiently across multiple deviceswith varying hardware and software specifications.