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

Date	03-11-2022
Team ID	PNT2022TMID42592
Project Name	Predicting the energy output of wind turbine based 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 Mobile Registration through Gmail
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User login through (web)	Login registered mail id and password
FR-4	User login through (mobile app)	Login registered mail id and password
FR-5	User needs	In the app, enter your input values.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The system should be user friendly for the forecaster. It should recommend predicting the wind energy.
NFR-2	**Security**	The login information should not be accessed by any other user than the respective. The user data should be private.
NFR-3	**Reliability**	The Forecaster can be able to guess the approximate value of the wind energy.
NFR-4	**Performance**	The wind energy value will get updated every time consecutively according to the weather condition.
NFR-5	**Availability**	It can be used from anywhere at any time.
NFR-6	**Scalability**	It is easily adaptable. This device can handle any number of registrations.