

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

Date	15 October 2022
Team ID	PNT2022TMID51318
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	Accessing Dashboard	The option for uploading or taking live photo is displayed.
FR-2	Upload an image/Live capturing	Choose the image from file explorer Camera enabled devices support live capturing .
FR-3	Predict	Recognition of species from the uploaded photo
FR-4	Displaying Result	The name of the species will be displayed.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Effectiveness, efficiency and overall satisfaction of the user while interacting with our application. It should be a GUI interface which should be easy to use.
NFR-2	Security	Authentication, authorization, encryption of the application provided by IBM cloud.
NFR-3	Reliability	The system must perform without failure for most of the time.
NFR-4	Performance	How the application is functioning and how responsive the application is to the end-users depending on the performance of IBM cloud platform.
NFR-5	Availability	Without near 100% availability, application reliability and the user satisfaction will affect the solution.
NFR-6	Scalability	Capacity of the application to handle growth, especially in handling more users.