Project Design Phase-I
Solution Architecture

Date	15 october 2022
Team ID	PNT2022TMID51318
Project Name	Predicting the energy output of wind turbine based on weather condition.
Maximum Marks	4 Marks

Solution Architecture:

Solution architecture is a complex process – with many sub-processes – that bridges the gap between business problems and technology solutions. Its goals are to:

- Find the best tech solution to solve existing business problems.

- Describe the structure, characteristics, behavior, and other aspects of the software to project stakeholders.

- Define features, development phases, and solution requirements.

- Provide specifications according to which the solution is defined, managed, and delivered.

Example - Solution Architecture Diagram:

SOFTWARE FOR SMART AGRICULTURE

FUNCTIONS

CROP
REGISTER

SELECT

WEATHER
STATION

PLAN

WATER
BALANCE

USER

Smart&Green

APPLICATION

MATRIC
POTENTIAL

WATER
BALANCE

SOIL MOISTURE
PREDICTION

REGISTER
INFORMATION

SERVICES

STORAGE

SYNCHRONIZATION

FUSION

COMMUNICATION

GATEWAY

WEATHER
CLIENT

SOIL
SERVER

SOIL
CLIENT

PHYSICAL

WEATHER
DATA

CROP
DATA

IRRIGATION
SYSTEM DATA

SOIL MOISTURE
DATA