

Project Design Phase-I
Proposed Solution

Date	03 October 2022
Team ID	PNT2022TMID32826
Project Name	Smart Farmer - IOT Enabled Smart Farming Application
Maximum Marks	2 Marks

Proposed Solution :

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	To monitor the water level of crops during irrigation.
2.	Idea / Solution description	To make crop irrigation easy and effective and monitored using IBM Watson IoT Platform and Node-RED Service.
3.	Novelty / Uniqueness	A mobile application is developed for monitoring and controlling the irrigation.
4.	Social Impact / Customer Satisfaction	No need to worry about the condition of the crops and water supply. The present condition of the field can be generated as a report.
5.	Business Model (Revenue Model)	One time subscription
6.	Scalability of the Solution	It can handle the irrigation process and can perform several actions based on the climate condition and seasonal changes.