

**Project Design Phase-I**  
**Proposed Solution Template**

Date	23 September 2022
Team ID	PNTIBMAz13
Project Name	IOT based smart crop protection for agriculture system.
Maximum Marks	2 Marks

**Proposed Solution Template:**

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Due to advancement in irrigation system and electric pumps farmers need to spend their entire time in the field to irrigate. They can leave the field once start the electric motor and water is dispatched to fields by irrigation system. sometimes overflow of water to fields happens results decaying of plant's root. So, we designed a device to monitor the water level in the field that is optable for the crop.
2.	Idea / Solution description	.Our device monitor the water level in the field and if it rises certain level an alert message send the farmer and he can stop the electric motor using his mobile phone. This would reduce the crop damage and water loss.
3.	Novelty / Uniqueness	It sharply monitors the water level in the field.
4.	Social Impact / Customer Satisfaction	By using this device customer can feel more relax and he restricted to go farm often.
5.	Business Model (Revenue Model)	Cost effective.
6.	Scalability of the Solution	It works finer until it gets damage. There is no handling issue occurs.