

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

Date	23 September 2022
Team ID	PNT2022TMID22476
Project Name	Project – Smart Farmer-IOT Enabled Smart Farming Application
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)	In agriculture, there are two major problems one is unpredictable climate change and another one is the yields of the crops that have been damaged by animals, birds, insects and some crop diseases. These two problems affect the total agriculture production and farmers made a loss. Our project will give the solution to overcome these problems with help of IOT.
2.	Idea / Solution description	It collects the data from different types of sensors and it sends to the main server using wireless protocol.
3.	Novelty / Uniqueness	It depends on IOT thus eliminating the need of physical work of farmers and growers and thus increasing the productivity in every possible manner.
4.	Social Impact / Customer Satisfaction	We can grow plants which are disease free and growing plants in air has faster growth rate and high yield than growing in soil
5.	Business Model (Revenue Model)	Smart farming is an advanced and innovative way to get maximum cultivation and minimize the human efforts.
6.	Scalability of the Solution	Automatic adjustment of farming equipment made possible by linking information like crops/weather and equipment to auto adjust temperature, humidity, etc. It has enabled farmers to reduce waste and enhance productivity with the help of sensors.