Project Design Phase-I Proposed Solution Template

Date Team ID

Project Name Maximum Marks

23 September 2022

Project – Smart Farmer-IOT Enabled Smart Farming Application

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)
2. Idea / Solution description
3. Novelty / Uniqueness
4. Social Impact / Customer Satisfaction
5. Business Model (Revenue Model)
6. Scalability of the Solution

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. It collects the data from different types of sensors and it sends to the main server using wireless protocol.

It depends on IOT thus eliminating the need of physical work of farmers and growers and thus increasing the productivity in every possible manner.

We can grow plants which are disease free and growing plants in air has faster growth rate and high yield than growing in soil

Smart farming is an advanced and innovative way to get maximum cultivation and minimize the human efforts.

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.