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| **Project Design Phase-I**  **Proposed Solution**   |  |  | | --- | --- | | Team ID | 142219205045,142219205011,1422192005,1422192017 | | Project Name | Smart farmer - IOT Enabled Smart Farming  Application |     **Proposed Solution:**   |  |  |  |  | | --- | --- | --- | --- | | **S.No** | **Parameter** |  | **Description** | | 1. | **Problem Statement (Problem to be solved)** |  | Our project will give the solution to overcome these problems with help of IOT. | |  |  |  | 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 improper irrigation. | | 2. | **Idea / Solution description** |  | It collects the data from different types of sensors and it sends the value to the main server. | |  |  |  | It also collects the weather data from the weather API. | |  |  |  | The ultimate decision, whether to water the crop or not is taken by the farmer using mobile application. | | 3. | **Novelty / Uniqueness** |  | It depends on IOT thus eliminating the need of physical work of farmers and thus increasing the productivity in every possible manner. | |  |  |  | The weather data are taken from the reliable source. | | 4. | **Social Impact / Customer Satisfaction** |  | The information collected are from reliable sources and hence the farmer could make more precise decision, thereby the productivity increases. | | 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 farming equipment adjustment is made feasible by integrating information such as crops/weather and equipment to automatically alter temperature, humidity, and so on. | |  |  |  | With the use of sensors, it has enabled Farmers to reduce waste and increase output. | |