**PROJECT OBJECTIVE**

**INTRODUCTION**

The main aim of this project is to help farmers automate their farms by providing them with a Web App through which they can monitor the parameters of the field like Temperature, humidity and etc and control the equipment like water motor and other devices remotely via internet without their actual presence in the field.

**PROBLEM STATEMENT**

* Farmers are to be present at farm for its maintenance irrespective of the weather conditions.
* They must ensure that the crops are well watered, and the farm status is monitored by them physically.
* They must stay most of the time in field to get a good yield.
* In difficult times like in the presence of pandemic also they must work hard in their fields risking their lives to provide food for the country

**PROPOSED SOLUTION**

To reduce the cost-effective work, expenses and to work in an effective way, we introduce IoT services in which we use cloud services and internet to enable farmer to continue their work remotely via through internet. And they can also be able to monitor the field parameters and control the devices in farm to harvest higher yield with less consumption of manpower.

**OBJECTIVE**

The main objective is stated as follows:

* Reduce manpower
* Workload is less
* Can be able to monitor any nook and corner
* High yield and productivity
* Easy and Convenient
* Safety and Secure
* Cost effective