ABSTRACT :

Internet of Things (IoT) technology has brought revolution to each and every field of common man’s life by making everything smart and intelligent. IoT refers to a network of things which make a self-configuring network. The development of Intelligent Smart Farming IoT based devices is day by day turning the face of agriculture production by not only enhancing it but also making it cost-effective and reducing wastage. Green Houses are frames of inflated structure covered with a transparent material in which crops are grown under controlled environment conditions such as temperatures, light control either shading or adding supplemental light, carbon dioxide levels, relative humidity, water, plant nutrients and pest control. Information obtained from various sensors in the green house, all the readings are stored in the cloud under respective categories and can be seen by the user from application which will be designed with desired interface and options.

PROBLEM STATEMENT AND USE CASES :

The biggest challenge faced by Iot in agriculture are lack of information, cost analysis and quantity of fertilizers/seeds needed at specifc time. Monitoring climate change and take any precautions to avoid the spoilage of yields. Analyze the growth and intimate any need of fertilizer or water for each area of farming. Indicate of irrigation periodically. Reduction of greenhouse gas is biggest challenges in IOT.