DECISION MAKING ON HARVESTING AND PLANTING USING IOT SENSORS

Introduction:

In this new era, IOT is a technology represents the future of communication and computing. Now a days IOT is used in all fields such as home, Health, traffic, agriculture like smart homes, smart traffic, and smart agriculture. The main objective of this paper is implementation of IOT in agriculture. It helps agriculture in many ways like crop management, improve the yield of efficient crops, monitoring the environmental conditions, harvesting crops, water management level and soil temperature check. Planned to analyse the traditional agriculture methods used by farmers and what are all the problems they are facing. Sensors which used in IOT are air temperature sensor, soil PH sensor, soil moisture sensor, humidity sensor. This architecture collect the information and send it to the farmer's smart phone through Wi-Fi network.

Research Objective:

This paper aims in solving the problem such as harvesting crops at correct time and making decision on plant the seeds based on the soil temperature. Soil moisture sensor and humidity sensor are used for the purpose of analyse the soil temperature, based on that we will generate the decision and send it to the farmer's smart phone through Wi-Fi.

Research Discipline – Internet of Things **(IOT)**

Research Sub-Discipline – Smart Agriculture