LITERATURE REVIEW

[1] Dankan Gowda, Sandeep Prabhu, Ramesha, Jayashree M Kudari and Ansuman Sama (2021), have proposed a paper titled “Smart Agriculture and smart Farming using IOT Technology”; From this we are able to realize that the smooth agricultural system extends the farming system by not only watching the soil, but also physically monitoring it. Even though individual devices and networking aren't directly saving the agriculturalists' time, the Internet of Things (IoT) is negatively affecting wasteful spending on assets such as Liquid and Power. It focus on the overall goal of this model is to preserve frequent topographical features like moisture, temperature, soil, and other information, and provide a real-time crystal-clear surveillance.

[2] M.K.Gayatri & J.Jayasakthi (2015), have proposed a paper titled “Providing Smart Agriculture Solutions to Farmers for Better Yielding Using IoT”; The cloud computing devices that can create a whole computing system from sensors to tools that observe data from agricultural field images and from human actors on the ground and accurately feed the data into the repositories along with the location as GPS coordinates.

[3] Dr. S.Kanchana (2018) , has proposed a paper titled “IoT in Agriculture : Smart Farming”; In this project it mainly focuses on threshold values of temperature and soil moisture that can be programmed into a microcontroller-based gateway to control water quantity. The system is powered by photovoltaic panels and can have a duplex communication link based on a cellular Internet interface that allows data inspection and irrigation scheduling to be programmed through a web page.

[4] K. Lakshmi Sudha , Swathi Hegde, Neha Kale, Shruti Iyer (2016), have proposed a paper titled “Smart Precision Based Agriculture Using Sensors”; It focuses on developing devices and tools to manage, display and alert the users using the advantages of a wireless sensor network system.

[5] S. R. Nandurkar, V. R. Thool, R. C. Thool (2014), have proposed a paper titled “Design and Development of Precision Agriculture System Using Wireless Sensor Network "; This idea proposes a novel methodology for smart farming by linking a smart sensing system and smart irrigator system through wireless communication technology. The sensing system is based on a feedback control mechanism with a centralized control unit which regulates the flow of water onto the field in the real time based on the instantaneous temperature and moisture values.

[6] CH Nishanthi, Dekonda Naveen, Chiramdasu Sai Ram, Kommineni Divya, Rachuri Ajay Kumar (2021) have proposed a paper titled " Smart Farming Using IOT". In this project, we are able to realize with a compilation of data from sensors and modern electronic gadgets, the farmer can monitor agricultural fields. Smart Agriculture can forecast weather data, switching ON the pump motor and switching ON the bulb for artificial light due to less light intensity, for farms acknowledging the dampness of soil of moisture levels . It also focuses on detecting the pest and humans by their temperature using IR sensors and the sensors are interfaced to process module Arduino-UNO.

[7] Sushanth & G. Sujatha (2018), have proposed a paper titled, "IoT Based Smart Agriculture" The paper aims at making use of evolving technology i.e., IOT and smart agriculture using automation. Monitoring environmental conditions is the major factor to improve yield of efficient crops. The feature of this paper includes development of a system which can monitor temperature, humidity, moisture and even the movement of animals which may destroy the crops in agricultural fields through sensors using an Arduino board.

[8] Dr. V.Vidya Devi & G. Meena Kumari (2014), have proposed a paper titled "Real Time Automation and Monitoring System for Modernized Agriculture"; It proposes an idea about how an automated irrigation system was developed to optimize water use for agricultural crops. In addition, a gateway unit handles sensor information.