

LITERATURE SURVEY

Smart Farmer-IoT Enabled Smart Farming Application

Author Name: A. Bharathsimha Reddy , Mr. E.K. Subramanian.

Year of publishing: February 28,2020

Description:

The IoT based agricultural production system has built on the long standing desire of farmers to ensure their land remains productive into the future. It also addresses the community applications for safe food and for environmental production. Agricultural products quality can be improved because farmers observe whole cycle from seeding to selling using this IoT based agricultural production system.

Author Name: Dr. K. Sujatha , Dr. Sheryl Radley

Year of publishing: November 11,2017

Description:

IoT based agricultural production system with the help of the sensor for stabilizing between the supply and demand has been managed. A farm can be evaluated with the potential of yield and the target crop and the profit attained through that crop. By using such models the farmers can grow and not suffer as it is happening in the country. Biological and genetic research helps in the production of genetically modified seeds.

Author Name: Muhamad Shoaib Farooq, Shamyla Riaz, Adnan Abid, Tariq Umer and Yousaf Bin Zikria

Year of publishing: February 12, 2020

Description:

The growing demand for food in terms of quality and quantity has increased the need for industrialization and intensification in the

agriculture field. Internet of Things (IoT) is a highly promising technology that is offering many innovative solutions to modernize the agricultural sector. Researchers have proposed different IoT-based technologies in the agriculture field that are increasing the production with less workforce effort. Researchers have also worked on different IoT based agricultural products to improve the quality and increase agricultural productivity.

Author Name: H. Y. Geetha, Simantini Roy
Chowdhary, Sharanagouda V Patil, Veera Reddy

Year of publishing: July 07,2017

Description:

The agricultural IoT coordinated with Web Map Service (WMS) and Sensor Observation Service (SOS) gives an answer for overseeing water necessities or supply for crop irrigation. Farmers will be able to detect many diseases in the seasons crop through mobile phones because of smart wireless sensors used in field and also using small drones to recognize the diseases of plants

by using sensors and WSNs in a drone. The role of IoT in cultivation is very helpful to researchers by helping them to identifying or monitoring the fields from remote places.

Author Name: Rohit Maheswari, Mohnish Vidyarthi, Parth Vidyarthi

Year of publishing:2022

Description:

Using IoT in farming farmer have not enhanced the yields in multiple but also decreased the cost of farming. With proper usage of IoT technology, the farmers have gained a tremendous amount of benefit not only financially but also physically by doing smart farming. The water management is much easier , water sprinkling system , where sprinkler automatic sprinkles the water once the sensors found a lack of humidity in the soil.

Author Name: M. U. Farooq

Year of publishing: March 2015

Description:

IoT enabled Smart agriculture will monitor Soil nutrition, Light, Humidity etc. and improve the green housing experience by automatic adjustment of temperature to maximize the production. Accurate watering and fertilization will help improving the water quality and saving the fertilizers respectively.

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