SMART FARMER – IOT ENABLED SMART FARMING APPLICATION

IBM – LITERATURER SURVEY

UNDER THE GUIDANCE OF

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2019-2023

TITLE	AUTHOR	YEAR	PROJECT DESCRIPTION
SMART FORMING : IOT Based Smart Sensor Agriculture Stick For Live Temperature And Humidity Monitoring	Nirav Rathod, Shreedhar Panigrahi, Vijaya Pinjarkar	2020	Smart forming IOT based agriculture stick for live monitoring of temperature and soil moisture has been proposed using node MCU chip , wifi module and various other hardware devices. The IOT based agriculture stick being developed through this paper will help farmers in increasing the agriculture yield and take efficient care of food production as the stick will always provide helping hand to formers for getting accurate live feed of environmental temperature and soil moisture with accurate results.With the help of these system various prolems faced by formers in daily life are being solved to a greater extent.

IOT in Agriculture : Smart Farming	Dr.S.Kanchana	2018	IOT technology enchances the existing life style of agriculturalist and farmers by integrating all the devices to a digital level in the extensive directions.Internet technologies , social networks, secured integrated databases and on demand availability of information will facilitate the smart farming and global food production.The purpose of smart farming is to increase the quality and quantity of agricultural production by using sensing technology to make farmers more intelligent and more connected.New innovative IOT application will address these issues and help in increasing the quality , quantity, sustainability and cost effectiveness of agricultural production .

IOT Based Smart Agriculture Towards Making The Fields Talk	Muhammad Ayaz, Mohammad Ammad-Uddin, Zubair Sharif, Ali Mansour	2019	The focus on smarter, better ,andmore efficient crop growing methodologies is required in order to meet the growing food demand of the increasing world population in the face of the ever – shrinking arable land. The development of new methods of improving crop yield and handling, one can readily see currently; Technology-weaned, innovative younger people adopting farming as a profession, agiculture as a means for independence from fossil fuels, tracking the crop growth, safety and nutrition labeling, partnerships between growers,suppliers, and retailers and buyers. These paper considered all these aspects and highlighted the roll of various technologies, especially IOT, in order to make the agriculture smarter.

IOT Based Field Monitoring System With Disease Identification	Paras Jain, Rahul Sankar, M.V.Ranjith Kumar, Nilay Nishanth.	2018	The proposed system reduces the human intervention in farming and gets to be basically critical to create more productive procedures for farming related exercises. In the proposed work, Median filtering is favored over manual channel, smoothing filter, oscillation thresh-old channel since single outliners are separated in it. For classification, SVM calculation is utilized.