B6-6M2E :SMARTFARMER – IoT ENABLE SMART FARMING APPLICATION

LITERATURE SURVEY

S. No.	TITLE OF THE PAPER	AUTHORS	JOURNAL / CONFERENCE NAME	DESCRIPTION
1	IoT Enabled Smart Farming and Irrigation System	M. Rohith, R Sainivedhana, Dr. N. Sabiyath Fatima	IEEE 2021	In this paper, authors have demonstrated a IoT enabled smart farming and irrigation system to automate the process of watering to plants. This system helps to measure the values of various parameters such as humidity, moisture and temperature of plants and water them accordingly
2	A Systematic Review of IoT Solutions for Smart Farming	Emerson Navarro, Nuno Costa, and António Pereira	MDPI 2020	In this work, it was observed that the use of artificial intelligence and image processing techniques has become more common to improve the management of smart farming.
3	A Multi-collective, IoT-enabled, Adaptive Smart Farming Architecture	G. Kakamoukas, P. Sariciannidis, G. Livanos, M. Zervakis, D. Ramnalis, V. Polychrnos, T. Karamitsou, A. Folinas, N. Tsitsiokas	IEEE 2019	This proposed architecture encloses wireless sensor networks, meteorological stations and unmanned aerial vehicles along with an information processing system that leverages machine learning and computing technologies.
4	Internet of Things and LoRaWAN – Enabled Future Smart Farming	Bruno Citoni, Francesco Fioranelli, Muhammad A. Imran, Qammer H. Abbasi	IEEE 2019	In this paper authors have explained about LoRaWAN which is been under the spotlight in recent years due to its suitability to be the standard communication protocol for IoT deployments
5	A Survey on the Role of IoT in Agriculture for the Implementation of Smart Farming	Muhammad Shoaib Farooq, Shamyla Riaz, Adnan Abid, Kamran Abid, Muhammad Azhar Naeem	IEEE 2019	In this paper, They explained about the major components and technologies, network architecture, network layers, network topologies and protocols involved in developing IoT based smart farming system
6	A Revisit of Internet of	Amjad Rehman, Tanzila	MDPI 2021	The goal of this research is to

	Things Technologies for Monitoring and Control Strategies in Smart Agriculture	Saba, Muhammad Kashif, Suliman Mohamed Fati, Saeed Ali Bahaj, Huma Chaudhry		evaluate smart agriculture using IoT approaches in depth. The paper demonstrates IoT applications, benefits, current obstacles, and potential solutions in smart agriculture.
7	Traffic-Aware Secured Cooperative Framework for IoT-Based Smart Monitoring in Precision Agriculture	Ibrahim Abunadi, Amjad Rehman, Khalid Haseeb, Lorena Parra, Jamie Lloret	MDPI 2022	This study proposes a framework for a system that combines fog computing with smart farming and effectively controls network traffic. Firstly, the proposed framework efficiently monitors redundant information and avoids the inefficient use of communication bandwidth.