S.No.	TITLE AND AUTHOR	SOURCE	YEAR	FINDINGS
1.	Smart Irrigation System Using IoT (J. Karpagam)	6th International Conference on Advanced Computing and Communication Systems (ICACCS)	2020	1. To water the plants automatically, sensors and Microcontrollers are available to determine when the plants needs water. **2.** Automation involves improving the speed of production, reduction of cost, effective use of resources.
2.	Overview of ESP8266 Wi-Fi module based Smart Irrigation System using IOT (Prakhar Srivastava)	Fourth International Conference on Advances in Electrical, Electronics, Information, Communication and Bio-Inform**atics** (AEEICB)	2018	1. This smart irrigation system has pH sensor, water flow sensor, temperature sensor and soil moisture sensor that measure respectively and based on these sensors arduino microcontroller drives the servo motor and pump. 2. Users can control water pumps and sprinklers through the website and keep an eye on the reference values which will help the farmer increase production with quality crops
3.	A Smart Irrigation System Using IoT and Fuzzy Logic Controller (B. Alomar and A. Alazzam)	2018 Fifth HCT Information Technology Trends (ITT)	2018	1. Aims to propose an Internet of Things based irrigation system that works at reducing the frequency of irrigation while increasing the rate of production through the use of fuzzy logic. **2.** The system consists of a Mamdani fuzzy controller that acquires environment identifiers i.e. soil

				moisture and outside temperature through specific sensors, then applies fuzzy rules to control water flow from the water pump and produce irrigation appropriate time and frequency.
4.	Arduino based smart irrigation system using IOT (R.Nandhini)	3rd National Conference on Intelligent Information and Computing Technologies, IICT '17	2017	1. The farmer can access the server about the field condition anytime, anywhere thereby educing the man power and time 2. The GSM module has been used to establish a communication link between the farmer and the field.
5.	Intelligent irrigation system — An IOT based approach	2017 International Conference on Innovations in Green Energy and Healthcare Technologies (IGEHT)	2017	1. Automated control features with latest electronic technology using microcontroller which turns the pumping motor ON and OFF on detecting the dampness content of the earth and GSM phone line is proposed after measuring the temperature, humidity, and soil moisture. 2. The IOT is a multidisciplinary concept that encompasses a wide range of several technologies, application domains, device capabilities, and operational strategies, etc, with novel irrigation management system can be developed.