

LITERATURE SURVEY

Domain: Internet of Things

Topic: Smart Crop Protection System or Agriculture

S.No .	Title	Year	Technique Used	Advantage	Drawback
1.	A model for smart Agriculture Using IOT	2016	ZigBee with wings	complete real -time and historical environment information ,efficient management and utilization of resources	The technique can achieve convenient wireless connection only within a short-distance
2.	Automatic control of Agriculture pumps based on soil Moisture sensing	2015	For testing N1 MULTISM simulation software is used.DIAC and TRIAC technique.	Achieves proper water management ,saves human power and enhances crop or productivity	Does not support several water levels and uses old techniques.
3.	Automated Irrigation System Using a Wireless Sensor Network and GPRS module	2014	WSUs and a WIU , based on microcontroller ZigBee and GPRS technologies .	Feasible and cost effective for optimizing water resources for agricultural production	The investment in electric power supply is expensive.
4.	An effective method for Crop Monitoring Using Wireless sensor Network	2014	WSN with GSM technology	A Can collect data from locations previously inaccessible on	Provides only precision values that is not accurate and is not

				a Micro-measuremen t scale.	effective.
5.	Real - time Automation and Monitoring System for Modernized Agriculture	2013	Bus concept, ZigBee Protocols based on IEEE 802.15.4, Hybrid network.	Monitoring and control of greenhouse parameters in precision agricultur	t energy saving and data fusion, Directions are left for research.