

## CLOUD COMPUTING TECHNOLOGY IN AGRICULTURE FIELDS FOR SMART IRRIGATION MONITOR USING ROBOT

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### **ABSTRACT**

*At present situation, Wireless sensor systems appropriated self-ruling sensor to screen rural field's environment, for example, soil, air dampness and stickiness level and to discover water pH level, rain recognizing sensoretc.Agriculture is the most vital for the human life. In the past framework impediments are wastage of water and labor. We are conquering these issues by utilizing robots with cloud computingusing web. It comprises of sensors which are disseminated in a specially appointed way. Our venture means to screen the protest location and it can be performed by the automated vehicle and it is controlled by mobile phone utilizing web. Robot is utilized to sprinkle the water at whatever point the stickiness is diminished and transmit field information to remote database. Sensor interface gadget is being basic for sensor information gathering in agrarian checking of WSN in IOT. Another technique is proposed reconfigurable keen sensor interface for human / horticulture in IOT environment. WSN that utilizes ZigBee innovation utilized for proficient horticulture checking. Rain recognizing sensor is utilized to distinguish the dampness level. LCD utilizes the encompassing light in the earth. Water pH level is recognizing by utilizing this gadget. A few cultivators have communicated worry about the "high pH" of their water system water and its potential antagonistic consequences for plants. This framework Utilizesavratmel studio6. 0 and AVR boot loader for the programming part of the robot. It thoroughly stipulates the shrewd sensor equipment and programming outline structure and to understand the canny obtaining for regular sensor. By this procedure, we can screen both territory and question share information.*

**KEYWORDS:** *Cloud Computing Technology*