IoT Based Agriculture Monitoring System using Arduino Uno and Node MCU

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Abstract: *Indian agriculture is diverse ranging from impoverished farm villages to developed farms utilizing modern agricultural technologies. Promoting application of modern information technology in agriculture will solve a series of problems facing by farmers. This system provides an intelligent monitoring platform framework and system structure to facilitate agriculture's ecosystem based on IOT. This will be a Catalyst for the Transition from Traditional Farming to Modern Farming. This also provides opportunity for creating new technology and service development in IOT (Internet of things) farming application. In INDIA, the population has tripled, but food grain production had more than quadrupled, thus as there has been a substantial increase in available food grain per capita. Modern agriculture practices have a great promise for the economic development of a nation. So we have brought-in this innovative project for the welfare of Farmers and also for the Best Quality of Crops. There are no such restrictions of Day and Night in our project. Using this Project, Farming can be done at any time.*

Keywords: Modern Farming, IOT, Advanced Agriculture , Smart Agriculture Robot, Automatic Farming, Farming on fingers.

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