Skip to Main Content

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Patent Search

Invention Title	CELLULAR IOT IRRIGATION SYSTEM USING MACHINE LEARNING ALGORITHMS AND NORDIC
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Abstract:

The cellular IOT smart irrigation system is proposed in this invention. The device consists of humidity sensor, temperature sensor, GPS sensor, soil moisture sensor a trigger sensor. The data from the sensors are captures in oneM2M and sends the captured data to the oneM2M CSE or ACME using the cellular capabilities of the dev processing techniques will be employed to process the raw data received from oneM2M or ACME using cellular capabilities. Data processing will be done to determin efficient watering amounts and that will be transmitted to an actuator program on another thingy:91 that will turn on and off the control valves of the irrigation syste response of the machine learning algorithm.

<u>**Complete Specification**</u>

Title of the invention: -
CELLULAR IOT IRRIGATION SYSTEM USING MACHINE LEARNING ALGORITHMS AND NORDIC.
Field of the invention: -
The present innovation is in the field of electronics and computer science it involves smart irrigation system for water conservation and agriculture using cellular ba
with Nordic.
Prior art to the invention: -
The patent document number "US20130153673AI" reveals an irrigation system continuously checks the health of the lawns or plants it is responsible for and direct
where it is required, when it is needed, to keep them healthy. The method can drastically minimize water consumption, seepage, and runoff. Water can be directed
is needed using a water nozzle with a pan and tilt capability. To calculate watering needs, an image sensor can continuously acquire and analyze photographs of the
or plants. While the irrigation system is distributing water to the lawns or plants, the image sensor can also monitor where the water is landing. This data can be uti
fine-tune the water delivery target to guarantee that the intended areas are irrigated properly.
The patent document number "CN107251781 A" the innovation reveals A mobile sprinkler cart; a system water supply pipe carrying a plurality of hydrants suited to
engaged by the mobile sprinkler cart and to give water to a sprinkler supported on the cart; and an addressable electronic ID tag installed on each hydrant are all
components of an irrigation system. The ID tag is adapted to provide at least hydrant identifying data to the main controller, allowing the main controller to move th
mobile sprinkler cart to the hydrant, and the main controller is programmed to regulate the operation of the mobile sprinkler cart.

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[View Application Status]

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