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(57) Abstract :

An artificially intelligent system and method for integrated irrigation management for a agricultural lands, that comprises a Wi-Fi module, a set of sensors configured to sense various parameters of the soil and the plant life; another set of sensors to determine the availability of water in a storage medium; and a processor coupled with a memory with instructions stored to extract the parameters from the generated signals based on the sensors; and compare the extracted parameters with pre-defined parameters stored in the database, wherein based on the comparison generate signals, using a control unit to turn on and off devices within the system and send notifications of alert through a visual or an audible mediums to the users providing for overrides.

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