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(57) Abstract :
The present disclosure relates generally to field of agriculture. More specifically the present disclosure relates to a wireless automatic irrigation system. The system (100) includes one or more sensors (102), a radio frequency identification (RFID) tag (104), a RFID reader (106), one or more electronic devices (110) and a wireless pump (108). The RFID tag (104) receives the status of the environment by the sensors (102). The RFID reader (106) reads data from RFID tag (104) and sends the data to electronic device (110). The sensor data is transmitted in real-time as warnings and messages to electronic devices (110) and user is able to remotely monitor and operate the wireless pump (108). Further the present disclosure relates to a method for performing the wireless automatic irrigation system. Advantageously, the present disclosure relates to a wireless automatic irrigation system with increased crop output, less water use, and cost savings for farmers.

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