Smart irrigation system

Microcontroller (8051 or AVR )

LCD

Moisture sensor

Keypad

Relay

Pump

Project flow

When the user select the keypad then corresponding reference value will be selected and if the moisture is less then reference value then turn on the motor .and again another switch is pressed again the microcontroller selects other reference value and continous the process

3 crops

1. Jowar
2. Ragi
3. Rice