Automated Watering System

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Project Overview

We will make an automated watering system for plant based on soil moisture. In this project,we will constantly measure the soil moisture through a sensor.When the value of moisture goes below a certain threshold value, we will automatically turn on the dc motor.After the moisture level is suitable enough for the plant,the motor will be turned off.

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- To reduce the cost of commercial farming by reducing manpower required.
- To help save plants during dry season due to lack of watering.
- Plants are indispensable for our planet to exist.

Components Required

1. ATMEGA32
2. USBISP/USBASP
3. MOTOR DRIVER
4. LCD DISPLAY
5. GROVE SOIL MOISTURE SENSOR
6. 12V DC Motor
7. 12V Battery
8. BUZZER
9. LED
10. WIRES
11. RESISTORS