

## Abstract

An agricultural robot that can be operated remotely and it can do every process in farming except harvesting because mostly harvesting process differs according to the crops. This multipurpose agricultural robot is build using Arduino UNO microcontroller. To sense the parameters of the soil sensors are used in this project and as actuators servo motors and DC motors are incorporated.

After the incorporation of these sensors and actuators , the Arduino coding is uploaded to the Arduino UNO using Arduino IDE software. This Agrobot can be controlled by a mobile application. This mobile application is developed using MIT app inventor. This can be so easy like a kid playing a remote controlled car. The processes included in this robot are Ploughing, Sowing and leveling Fertilizing, Irrigation, Soil monitoring.