

Soil Monitoring

Development of agriculture using technology will be very much useful in cultivation. For a new agricultural area, without knowing or monitoring the important parameters of the soil, cultivation will be difficult and so the farmers suffer financial losses. This project thesis provides a brief overview of the soil monitoring system using sensors. Various soil sensors are used to measure temperature, moisture, pH level and light. The information from the sensors in the soil is sent to the authorized person through GSM and microcontroller. This information received can be seen through IoT and can be continuously monitored. Thus this advanced technology helps the farmers to know the accurate parameters of the soil thus making the soil testing procedure easier.

