Abstract

The Precision Agriculture is achieved by collecting & analyzing data from the agricultural field which is done in order to select the crops for specific terrain and particular season. The most advantageous part of the scheme is that it facilitates the farmer to get the field related information in advance to take correct decision on crop selection and irrigation in proper time and it also helps the agricultural scientists in their research works. In this paper there we explained an experimental set-up which is PC based wired network of ‘Multiple Sensors’ used to
monitor and analyze consistently measured field data. Here our effort is accumulated to utilize a simplest technique for 'data acquisition' and monitoring of field temperature and moisture of soil by using LM35 (temperature sensor) and 'impedance moisture sensor' respectively.

Reference

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- Douglas V. Hall, Microprocessors & Interfacing Programming and Hardware.

Index Terms

Computer Science

Data Processing

Key words

- Precision Agriculture (PA)
- Multiple Sensors
- Data Acquisition
- Impedance Moisture Sensor