Abstract

The present paper describes the Low-Cost Electronic Automation Unit for Plant Data Acquisition in Plant Phenotyping in which the whole system is made automatic controllable through the sensors. The image capturing of the plant that is the Plant Phenotyping process is done at different angles using a camera and a servo motor. The regular watering system is done automated by obtaining two different results of the water content of the soil present in that particular pot where the plant is present that is through Image Processing, and the Load of the Pot. Automated watering system to the Pot is done through the Solenoid water valve comparing with the results of the water content present in soil.

References


**Index Terms**

Computer Science  
Automated Systems

**Keywords**