Abstract

In this busy world everybody are interested in making their routine works automated and also want to monitor the elderly people and patients at home. One of the routine works at home is Plant watering and is very important when the people leave the home for vacation or emergency as the plants may end up drying due to lack of water. Helping the elderly and disabled people to control the taps for their daily activities is also a challenging job. This system is about Tap control system using the smart phones and the arduino boards. This can be used to control the taps for plant watering and other taps in the home through internet by sitting anywhere in the world. Arduino 2560 board with Ethernet Shield is used in this project. Arduino is coded using arduino codes and the app development is done using Android programming.

References


**Index Terms**

Computer Science  
Automated Systems

**Keywords**

Arduino Board, Ethernet shield, Android, Elderly People, Plant Watering, Smart home, Solenoid Valve