National University of Science and Technology

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Smart Greenhouse system

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Abstract

With the advent of new technology every day, people's lives are being made simpler and easier with each day that passes. Life is becoming more and more about intellect and efficiency in executing tasks than physical strength. With technologies like Bluetooth and Wi-fi which aim at exchanging data using wireless communication and providing convenience, intelligence and controllability a lot can be achieved with minimal human intervention. The use of this technology coupled with the use of smart devices like cell phones and PDA's is set to realise the concept of a smart greenhouse .These technologies can be brought together using a microcontroller which will aid in giving the desired outputs to control devices that would help maintain the greenhouse environmental conditions at particular set levels. This project focuses on the implementation of a Smart greenhouse with the use of Bluetooth technology, microcontroller, android devices and output devices.