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SURVEY ON AUTOMATIC WATER CONTROLLING SYSTEM FOR GARDEN USING INTERNET OF THINGS (IOT)

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Abstract: In this article, we will discuss the automatic plant water control system, which is one of the most widely used and helpful automated systems available today, and which assists people in their everyday duties by decreasing or totally replacing their effort. This system employs sensor technologies, as well as a microcontroller and other electronics, to act as a smart switching system that detects soil moisture levels and, if necessary, irrigates the plant. The goal of this project is to demonstrate how, in only a few hours, anyone can create their own low-cost automatic plant watering system by connecting a few electronic components and other materials. In our experiment, we linked all of the essential materials exactly as specified in this paper to see if our system would function properly. Although the system created in this manner is most suited for home use as a solution to some everyday and common concerns, there is a wide range of options for applying similar systems as a long-term solution to many agricultural concerns.

Key words: Water controlling system, plant, sensor, automatic, technology