Smart Water-Efficient System

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Protecting water resources and protecting the environment is one of the most important issues in the world. We have come up with a new idea to solve these problems. Many companies are developing projects for irrigation facilities, saving water for plant growth. However, in all projects, the control panel is constantly maintained by an individual. However, we have developed a platform that can analyze logic. The platform consists of an irrigation device and a mobile application. Why both smart and water efficient? Because the project we present has the ability to present to us the potential of intelligent systems and control several species of plants at the same time, it should be noted that this is a first. Being frugal increases the productivity of the plant by providing it with the water it needs. The proposed program can work in 3 modes: manual, automatic and timer modes. Allows manual physical control, automatic control of the modes set in the automatic mode, watering at the required hours in the timer mode, watering the plants, as well as control in the control mode. In our application, we can monitor from anywhere in the world via the Internet. if the internet connection is cut off, the system switches to automatic mode and continues the irrigation process due to its own logical analysis. As our future plan, we will add a section of the doctor who will take pictures of plant diseases and send them to the system, which will ensure that the necessary measures are taken in the system.