AKGEC-NI
LabVIEW Academy

Runner up NIYANTRA - 2017 Project "Smart Agriculturist Support System"

Involves establishing a contemporary design technique of monitoring and controlling the moisture level of soil using LabVIEW. Providing comprehensive tools that need to build any measurement or control application in dramatically less time, LabVIEW is the ideal development environment for innovation, discovery, and accelerated results. Combine the power of LabVIEW software with modular, reconfigurable hardware to overcome the ever increasing complexity involved in delivering measurement and control systems on time and under budget. The project also includes rain sensor, which is very important in the project to avoid unnecessary power wastage. Measuring soil moisture is critical in agriculture to help farmers manipulate their irrigation systems more successfully. No longer only are farmers able to generally use much less water to grow a crop, they're able to increase growth yields and the satisfactory of the crop by using better management of soil moisture at some point of vital plant growth degrees. Embedded system for computerized irrigation of an agriculture subject gives an able solution to assist web page- precise irrigation control that permits producers to maximize their productivity whilst saving the water.