

# IoT based Smart Drip Irrigation

Water is the important source in human life. Around 80% to 90% water used in agriculture field. As due to day by day growth in globalization and population water consumption is also increases. Today automation is one of the important roles in agriculture field. Agriculture is the primary occupation in our country. India's major income source is depending on agriculture therefore the development of agriculture is important. In today also most of the irrigation systems are operated manually. The available traditional techniques are like drip irrigation, sprinkler irrigation etc. By the use of Drip Irrigation we can save water and fertilizer provided to the crops. Whenever there is a change in temperature, humidity and current status of rain of the surroundings these sensors senses the change in temperature and humidity and gives an interrupt signal to the raspberry pi. This paper focuses primarily on reducing the wastage of water and minimizing the manual labor on field for irrigation so that you can save time, cash and power of the farmer.

