VIT BHOPAL
www.vitbhopal.ac.in

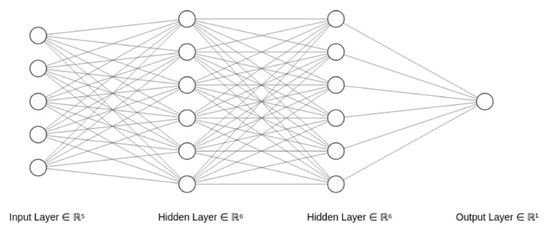
SMART IRRIGATION SYSTEM

GUIDE: DR.ANKUR JAIN

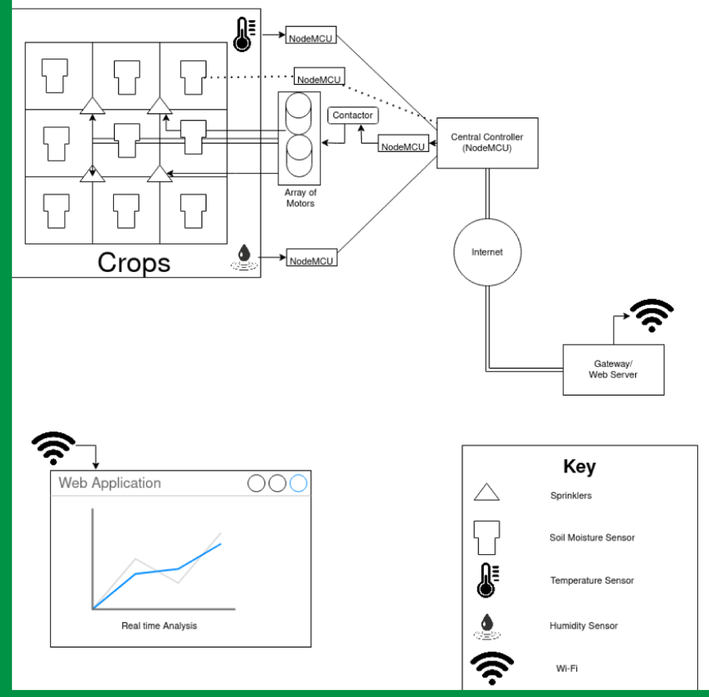
The Plan

The brain of the system is an Artificial Neural Network that has been designed to predict if or not irrigation is required for a given set of parameters.
In a real world scenario, the data is received by the model in real time by the use of three sensors, namely: Temperature, Soil Moisture and Humidity sensor. The real time data will be collected and transmitted by the gateway over Wi-Fi. The gateway will also be able to actuate sprinkler system based on the output of the model.

ANN ARCHITECTURE



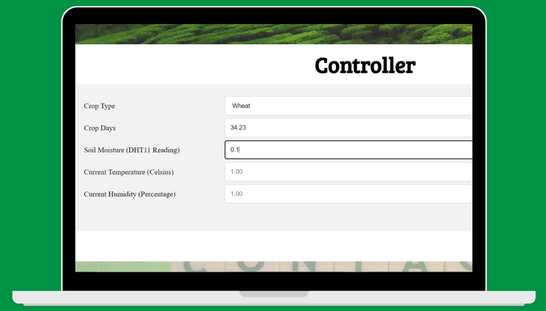
IOT ARCHITECTURE



GITHUB

github.com/Just-5-Stars/Automated-Irrigation-System

WEBSITE



TECH STACK USED

Model Development

Model Deployment