

# HYBRID IRRIGATION SYSTEM

An IOT based approach to modern day irrigation

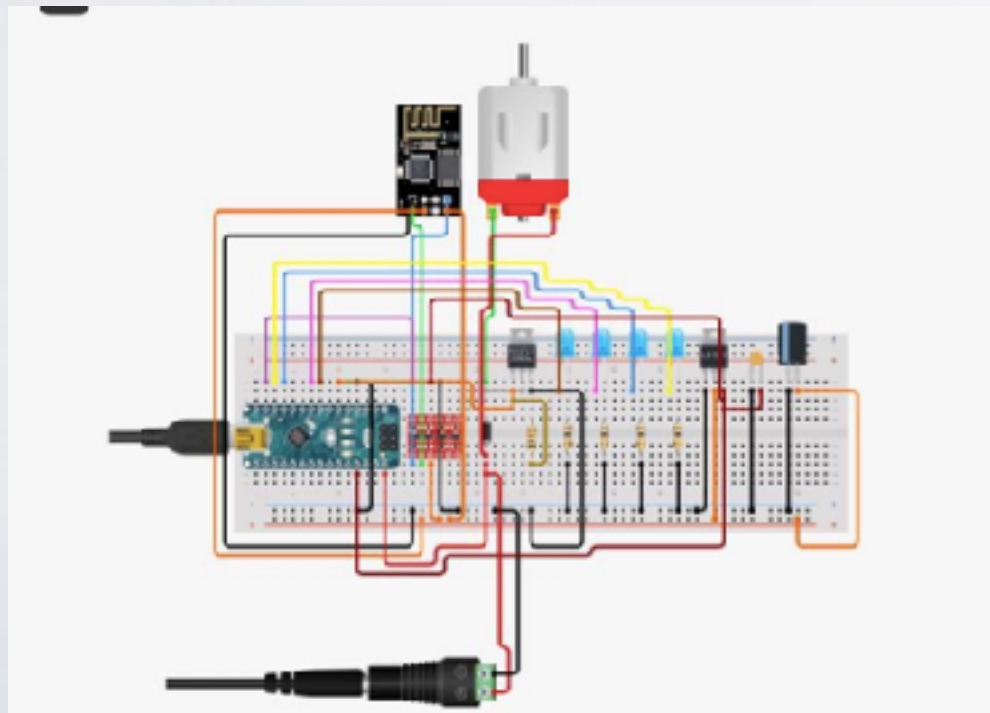
# PROBLEMS

- Water usage is high due to no monitoring systems
- Hi-tech projects implemented on the ground are costly
- Ground water shortage and high cost of irrigation



# OUR SOLUTION - HYBRID IRRIGATION SYSTEM

Hybrid Irrigation - our project - is a system/setup that includes a device (with soil moisture sensor, micro controller unit and wifi) , that is connected to the pump, and a cloud based platform for real time monitoring of the irrigation/water supply and previous irrigation data to help researchers and technologists to create more solutions.



Device



## Online platform

# ADVANTAGES

- AUTOMATES THE WHOLE PROCESS OF IRRIGATION
- ALLOW FARMERS, RESEARCHERS AND TECHNOLOGISTS TO MONITOR AND GET THE PREVIOUS IRRIGATION DATA
- WORK WITH MOISTURE DEPENDENCY, THAT CHANGES FROM CROP TO CROP, HENCE SUITABLE WITH ALMOST ALL REGIONS OF THE COUNTRY
- CUSTOMISABLE WITH A SLIGHT CHANGE IN THE SETTINGS
- REDUCES IRRIGATION COST BY REDUCING WATER USAGE

THANK YOU

CONTACT - [faiz@hybrididea.com](mailto:faiz@hybrididea.com)