

# Smart Agriculture System



Project By:

Abdur Rahman

B.Tech (2<sup>nd</sup> year)

DTU

# Objective and Motivation



## □ Objective

- Provide effective decision support system
- Wireless Solution
- User friendly system

## □ Motivation

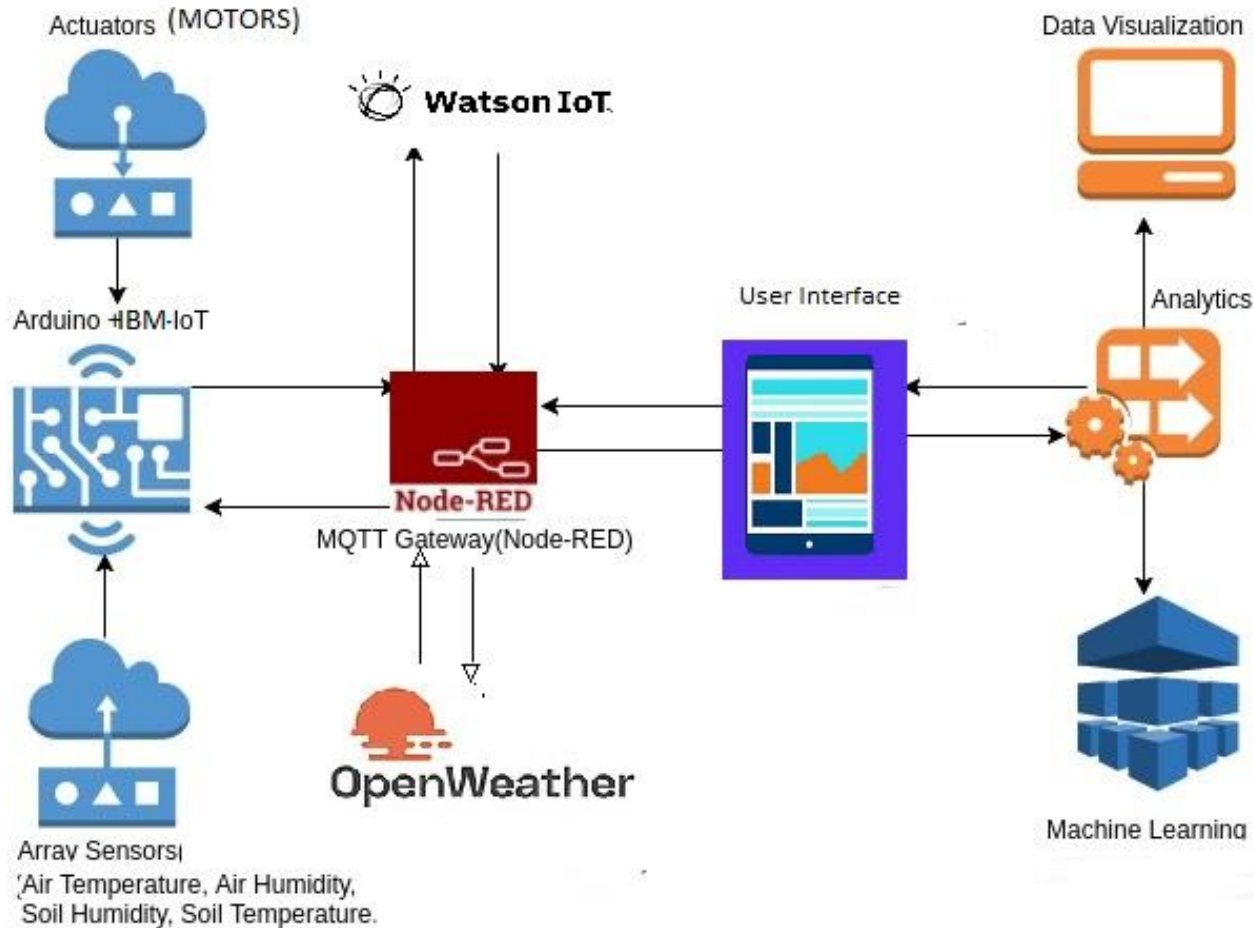
- Reduces wastage of water
- Make farmers life more better
- Increase crop yield

# Literature Survey



- Agriculture began 10,000 years ago in the areas of present day Turkey and the Middle East.
- Agriculture is facing today to two major problems:
  - a) soil compaction
  - b) water scarcity.
- The Food and Agriculture Organization of the UN (FAO) predicts that the global population will reach 8 billion people by 2025 and 9.6 billion people by 2050. In order to keep pace, food production must increase by 70 percent by 2050.
- Current existing system is wired and costly.

# Block Diagram



# Conclusion



- We are implementing a decision support system for monitoring different farm activities. Using current weather condition information farmer can access or control his farm activities. It helps to increase a crop yield and reduces wastage of water. Our system is cost effective and user friendly.

