PROJECT REPORT

Project Name :- Smart Agriculture System Based On IOT

1. INTRODUCTION :

1.1 Overview

The Objective of this report is to proposed IOT based Smart Farming System which will enable farmers to have live data of soil moisture,temperature and humidty .

1.2 Purpose

2. LITERTAURE SURVEY :

2.1 Existing Problem

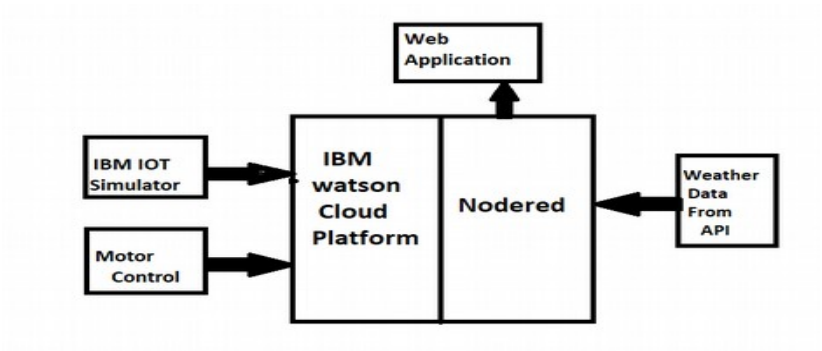
Use IOT platform to simulate data such as temperature,humidity and soil moisture.

2.2 Proposed Solution

Farmer can monitor temperature,soil moisture and humidity by using iot.

3. THEORITICAL ANALYSIS :

3.1 Block Diagram



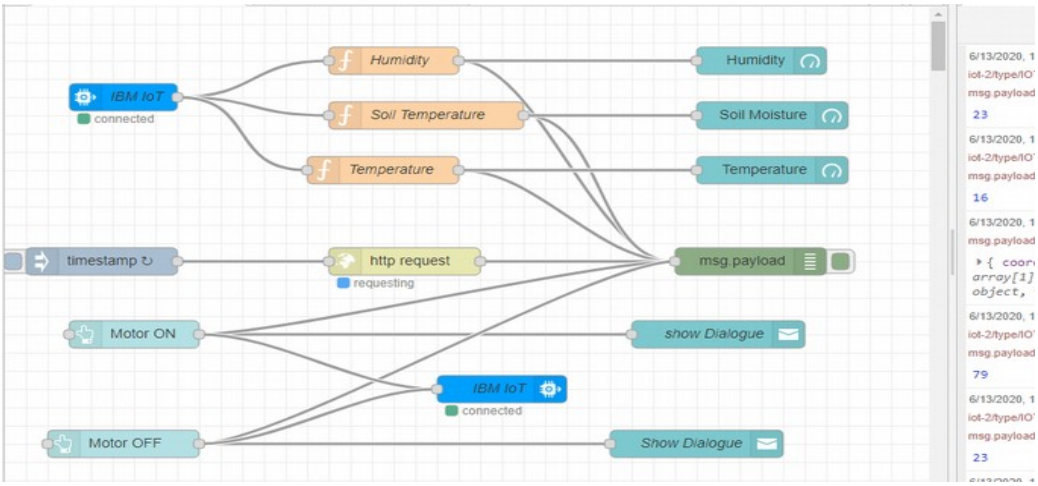
3.2 Software Designing

- Python code to subscribe IBM IOT platform

4 . EXPERIMENATAL INVESTIGATIONS :

We used ibm iot simulator to who sence data to cloud platform and data from open weather api is send to node red as well. We create buttons to give commands for motor.

5. FLOWCHART



6. RESULT

We accessed data from open weather api to get weather details such as temperature moisture from the farm.

7. ADVANTAGES & DISADVANTAGES

Advantages :

8. APPLICATION

Farmer can get realtime weather data by using IBM IOT platform

9. CONCLUSION

By using IOT platform we can monitor temperature,soil moisture,humidity in farm

10. FUTURE SCOPE

Farmer can use this to get weather data from their crop

11. BIBILOGRAPHY

Appendix :

A. Source Code