

# MILESTONES AND ACTIVITY LIST

**Team ID:** PNT2022TMID28757

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## **Smart Farmer – IoT Enabled Smart farming Applications**

1. Introduction
2. Problem Statement
3. Proposed Solution
4. Theoretical Analysis
  - 4.1 Block Diagram
  - 4.2 Required Software installation
    - 4.2.A Node-Red
    - 4.2.B IBM Watson IoT Platform
    - 4.2.C Python IDE
  - 4.3 IoT simulator
5. Building Project
  - 5.1 Connecting IoT Simulator to IBM Watson IoT Platform
  - 5.2 Configuration of Node-Red to collect IBM cloud data
  - 5.3 Configuration of Node-Red to collect data from OpenWeather
  - 5.4 Configuration of Node-Red to send commands to IBM cloud
  - 5.5 Configuration to MIT App inventor
  - 5.6 Adjusting User Interface

5.7 Receiving commands from IBM cloud using Python program

## 6. Project design phase – I

6.1- proposed solution

6.2- prepare solution fit

6.3- solution Architecture

## 7. Project design phase – II

7.1- customer journey

7.2- Functional Requirement

7.3- Data flow diagram

7.4- Technology Architecture

## 8. Project planning phase

8.1- prepare milestones and activitiy list

8.2- Sprint Delivery Plan

## 9. Project development phase

9.1- Delivery of Sprint 1

9.2- Delivery of Sprint 2

9.3- Delivery of Sprint 3

9.4- Delivery of Sprint 4

## 10. Conclusion

## 11. Reference