

**Project Planning Phase
Milestones and Activity List**

Date	04 November 2022
Team ID	PNT2022TMID10305
Project Name	Smart Farmer-IoT enabled smart farming application.
Maximum Marks	4 Marks

1. Introduction
2. Problem Statement
3. Proposed Solution
4. Theoretical Solution
 - 4.1. Block Diagram
 - 4.2. Required Software Installation
 - 4.2.1. Node-Red
 - 4.2.2. IBM Watson IoT Platform
 - 4.2.3. Python IDE
 - 4.3. IoT Simulator
5. Building Project
 - 5.1. Connecting IoT simulator to IBM watson Platform
 - 5.2. Configuration of Node-Red to collect IBM cloud data
 - 5.3. Configuration of Node-Red to 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. Functional Requirement
 - 7.2. Data Flow Diagram
 - 7.3. Technology Architecture
- 8. Project Planning Phase
 - 8.1. Prepare Milestone & Activity List
 - 8.2. Sprint Delivery Plan
- 9. Project Development Phase
 - 9.1. Delivery of Sprint1
 - 9.2. Delivery of Sprint2
 - 9.3. Delivery of Sprint3
 - 9.4. Delivery of Sprint4
- 10. Conclusion
- 11. Reference