## **Project Planning Phase**

## Milestone and Activity List

| Date         | 22 October 2022                                      |
|--------------|--|
| Team ID      | PNT2022TMID38652                                     |
| Project Name | Smart Farmer - IOT Enabled Smart Farming Application |

## Milestone and Activity List

| S.N<br>o | Milestone  | Activities                                     | Start    | Finish   | Status   |
|----------|--|--|----------|----------|----------|
| 1.       | IBM Cloud Services   | Create an IBM account                          | 22/08/22 | 27/08/22 | Complete |
|          | Pre Requistics   |  | 22/08/22 | 27/08/22 | Complete |
|          | MIT App Inverter   | Sign up for MIT app Inverter for Creating Apps | 22/08/22 | 27/08/22 | Complete |
|          | <ul> <li>Create an Account<br/>in Fast2sms</li> <li>Dashboard</li> </ul> | Create an Account in Fast2sms                  | 22/08/22 | 27/08/22 | Complete |
|          | • Software   | Install Python IDLE 3.7.0                      | 22/08/22 | 27/08/22 | Complete |
| 2.       | Project Objectives   | Prepare the Project Objectives                 | 22/08/22 | 27/08/22 | Complete |
| 3.       | Create and Configure IBM Cloud Services                                  |  | 03/10/22 | 19/10/22 | Complete |
|          | <ul> <li>Create a IBM Watson<br/>IoTPlatform And A<br/>Device</li> </ul> | Create a IBM Watson IoT Platform And A Device  | 03/10/22 | 10/10/22 | Complete |
|          | Create Node RED Service  | Create Node RED Service                        | 10/10/22 | 19/10/22 | Complete |

| 4. | Develope a Python Script                                     | Develope a Python code  | 12/10/22 | 19/10/22 | Complete       |
|----|--|---|----------|----------|----------------|
| 5. | Build a Web application UsingNode-RED Service                | Build a Web application Using Node-RED Service  | 22/08/22 |          | In<br>Progress |
| 6. | Develope A Mobile<br>Applicaion                              | Develope A Mobile Application   | 22/08/22 |          | In<br>Progress |
| 7. | Ideation Phase   |   | 29/08/22 | 17/09/22 | Complete       |
|    | Literature Survey  | Literature Survey On the selected Project &Information Gathering  | 29/08/22 | 03/09/22 | Complete       |
|    | Empathy Map  | Prepare Empathy Map Canvasto Capture the User's Pain & Gain, Prepare List of Problem Statement  | 05/09/22 | 10/09/22 | Complete       |
|    | • Ideation   | List the Ideas by organizing the Brainstormingsession & Importance  | 12/09/22 | 17/09/22 | Complete       |
| 8. | Project Design Phase-I                                       |   | 12/09/22 | 01/10/22 | Complete       |
|    | Proposed Solution  | Prepare the proposed solution document, which includes the novelty, feasibility of idea, business model, social impact, scalability of solution, etc. | 12/09/22 | 17/09/22 | Complete       |
|    | Problem Solution Fit   | Prepare problem - solution fit document   | 26/09/22 | 01/10/22 | Complete       |
|    | Solution Architecture  | Prepare Solution Architecture   | 26/09/22 | 01/10/22 | Complete       |
| 9. | Project Design Phase-II                                      |   | 03/10/22 | 15/10/22 | Complete       |
|    | Customer Journey   | Prepare the customer journey maps to understand the user interactions & experiences with the application  | 03/10/22 | 08/10/22 | Complete       |
|    | Functional Requirement                                       | Prepare the Functional Requirement  Document  | 10/10/22 | 15/10/22 | Complete       |
|    | <ul> <li>Data Flow Diagrams &amp;<br/>UserStories</li> </ul> | Prepare the Data Flow Diagram Document & UserStories  | 10/10/22 | 15/10/22 | Complete       |
|    |  |   | 1        |          |                |

| <ul> <li>Technology</li> </ul> | Prepare Technology Architecture of the | 10/10/22 | 15/10/22 | Complete |
|--------------------------------|--|----------|----------|----------|
| Architecture                   | solution                               |          |          |          |

| 10. | Project Planning Phase                                    |  | 17/10/22 | 22/10/22 | Complete       |
|-----|---|--|----------|----------|----------------|
|     | <ul> <li>Prepare mileston and<br/>ActivityList</li> </ul> | Prepare Milestone & Activity List  | 17/10/22 | 22/10/22 | Complete       |
|     | Sprint Delivery Plan                                      | Prepare Sprint Delivery Plan   | 17/10/22 | 22/10/22 | Complete       |
| 11. | Project Development Phase                                 |  | 24/10/22 | 19/11/22 | In<br>Progress |
|     | • Delivery of Sprint-1                                    | Attend the AMA / Expert Session- 1, ProjectDevelopment - Delivery of Sprint-1      | 24/10/22 | 29/10/22 | Not<br>Started |
|     | Delivery of Sprint-2                                      | Attend the AMA / Expert Session-<br>2,ProjectDevelopment - Delivery of<br>Sprint-2 | 31/10/22 | 05/11/22 | Not<br>Started |
|     | Delivery of Sprint-3                                      | Attend the AMA / Expert Session-<br>3,ProjectDevelopment Delivery of<br>Sprint-3   | 07/11/22 | 12/11/22 | Not<br>Started |
|     | Delivery of Sprint-4                                      | Attend the AMA / Expert Session-<br>4,ProjectDevelopment - Delivery of<br>Sprint-4 | 14/11/22 | 19/11/22 | Not<br>Started |

| Aug    |       |        |        |       |        |             | Sep        |                 |          | Oct  |              |  |                | Nov                                     |             |             |   |          |
|--------|-------|--------|--------|-------|--------|-------------|------------|-----------------|----------|--|--------------|--|----------------|---|-------------|-------------|---|----------|
| Jul 31 | Aug 7 | Aug 14 | Aug 21 | Aug   | 28     | Sep 4       | Sep 11     | Sep 18          | Sep 25   | Oct 2  | Oct 9        | Oct 16   | Oct 23         | Oct 30                                  | Nov 6       | Nov 13      | Nov 20                                  | Nov      |
|        |       |        |        | IBM   | Cloud  | Services    |            |                 |          |  |              |  |                |   |             |             |   |          |
|        |       |        |        | Pre   | Requi  | stics       |            |                 |          |  |              |  |                |   |             |             |   |          |
|        |       |        | 10     | MIT   | App Ir | nverter     |            |                 |          |  |              |  |                |   |             |             |   |          |
|        |       |        |        | Crea  | te an  | Account in  | Fast2sms D | ashboard        |          |  |              |  |                |   |             |             |   |          |
|        |       |        |        | Soft  | ware   |             |            |                 |          |  |              |  |                |   |             |             |   |          |
|        |       |        |        | Proj  | ect Ob | jectives    |            |                 |          |  |              |  |                |   |             |             |   |          |
|        |       |        |        |       |        |             |            |                 |          |  |              | Cr   | ate and Conf   | igure IBM                               | Cloud Serv  | ices        |   |          |
|        |       |        |        |       |        |             |            |                 |          |  | Create       | a IBM Wat                                      | on loT Platfo  | rm And A                                | Device      |             |   |          |
|        |       |        |        |       |        |             |            |                 |          |  |              | Cr.  | ate Node RE    | D Service                               |             |             |   |          |
|        |       |        |        |       |        |             |            |                 |          |  |              | De De  | velope a Pyth  | on Script                               |             |             |   |          |
|        |       |        | Build  | a Web | applio | ation Using | Node-RED   | Service         |          |  |              |  |                |   |             |             |   |          |
|        |       |        |        | _     | -      | Application | _          |                 |          |  |              |  |                |   |             |             |   |          |
|        |       |        |        |       |        |             |            | Ideation        | Phase    |  |              |  |                |   |             |             |   |          |
|        |       |        |        |       |        | Literature  | Survey     |                 |          |  |              |  |                |   |             |             |   |          |
|        |       |        |        |       |        |             | Empathy    | Map             |          |  |              |  |                |   |             |             |   |          |
|        |       |        |        |       |        |             |            | Ideation        |          |  |              |  |                |   |             |             |   |          |
|        |       |        |        |       |        |             |            | No. of the last |          | Project D  | lesign Phase | -1   |                |   |             |             |   |          |
|        |       |        |        |       |        |             | 4          | Proposed        | Solution | 854  | - 53         |  |                |   |             |             |   |          |
|        |       |        |        |       |        |             |            |                 |          | Problem  | Solution Fit |  |                |   |             |             |   |          |
|        |       |        |        |       |        |             |            |                 |          | TO SHOULD BE A | Architecture |  |                |   |             |             |   |          |
|        |       |        |        |       |        |             |            |                 |          |  |              | Project D                                      | esign Phase-I  |   |             |             |   |          |
|        |       |        |        |       |        |             |            |                 |          |  | Customer     |  |                |   |             |             |   |          |
|        |       |        |        |       |        |             |            |                 |          |  |              | 74.000000000                                   | l Requiremen   | nt                                      |             |             |   |          |
|        |       |        |        |       |        |             |            |                 |          |  |              | 75000 TR460070                                 | v Diagrams &   |   | es          |             |   |          |
|        | 1     |        |        |       |        |             |            |                 |          |  |              | 5-17-5-20-20-20-20-20-20-20-20-20-20-20-20-20- | gy Architectur | 100000000000000000000000000000000000000 |             |             |   |          |
|        |       | 2      |        |       |        |             |            |                 |          |  |              |  | Project Pla    | _                                       | se          |             |   |          |
|        |       |        |        |       |        |             |            |                 |          |  |              |  | Prepare mi     | 0 51                                    |             | ist         |   |          |
|        |       |        |        |       |        |             |            |                 |          |  |              |  | Sprint Deliv   |   |             |             |   |          |
|        |       |        |        |       |        |             |            |                 |          |  |              | 1  | 7,             | 7                                       |             |             | Project D                               | evelor   |
|        |       |        |        |       |        |             |            |                 |          |  |              |  |                | Deliver                                 | of Sprint-1 |             | ,                                       |          |
| -      |       |        |        |       |        |             |            |                 |          |  |              |  |                | Senvery !                               |             | of Sprint-2 |   |          |
|        |       |        |        |       |        |             |            |                 |          |  |              |  |                |   | Delivery    |             | of Sprint-3                             |          |
|        |       |        |        |       |        |             |            |                 |          |  | 1            |  |                |   |             | Delivery    | 100000000000000000000000000000000000000 | 40-      |
|        |       |        |        |       |        |             |            |                 |          |  |              |  |                |   |             |             | Delivery o                              | or Sprin |