

## Project Planning Phase

### Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

|               |   |
|---------------|---|
| Date          | 18 October 2022   |
| Team ID       | PNT2022TMID262558   |
| Project Name  | Project -Smart farmer-IOT enabled smart Farming Application |
| Maximum Marks | 8 Marks   |

### Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Use the below template to create product backlog and sprint schedule

| Sprint   | Functional Requirement (Epic)                    | User Story Number | User Story / Task  | Story Points | Priority | Team Members                |
|----------|--|-------------------|--|--------------|----------|-----------------------------|
| Sprint-1 | Interfacing Sensors and Motor Pump and IBM cloud | USN-1             | Develop a python Code to Interface Sensors and Motor Pump and IBM cloud. | 20           | High     | TEJA NIDHI P S (Member 4)   |
| Sprint-2 | Node-Red   | USN-2             | Develop a we b Application <u>Using a Node-Red.</u>                      | 20           | High     | VASANTH KUMAR P (Leader)    |
| Sprint-3 | Mobile Application                               | USN-3             | Develop a mobile Application using MIT-App Inventor.                     | 20           | High     | THARUN KUMAR S (Member 3)   |
| Sprint-4 | Integration & Testing                            | USN-4             | Integrating Python Script, Web application & Mobile App                  | 20           | Medium   | VISHAL RAGAVAN E (Member 2) |

**Project Tracker, Velocity & Burndown Chart: (4 Marks)**

| <b>Sprint</b> | <b>Total Story Points</b> | <b>Duration</b> | <b>Sprint Start Date</b> | <b>Sprint End Date (Planned)</b> | <b>Story Points Completed (as on Planned End Date)</b> | <b>Sprint Release Date (Actual)</b> |
|---------------|---------------------------|-----------------|--------------------------|----------------------------------|--|-------------------------------------|
| Sprint-1      | 20                        | 6 Days          | 24 Oct 2022              | 29 Oct 2022                      | 20   | 29 Oct 2022                         |
| Sprint-2      | 20                        | 6 Days          | 31 Oct 2022              | 05 Nov 2022                      | 20   | 05 Nov 2022                         |
| Sprint-3      | 20                        | 6 Days          | 07 Nov 2022              | 12 Nov 2022                      | 20   | 11 Nov 2022                         |
| Sprint-4      | 20                        | 6 Days          | 14 Nov 2022              | 19 Nov 2022                      | 20   | 17 Nov 2022                         |