**PROJECT DESIGN PHASE -2**

**DATA FLOW DIAGRAM**

DATE: 19.10.2022

TEAM ID: PNT2022TMID21131

PROJECT: IOT BASED SMART CROP PROTECTION SYSTEM

HUMIDITY SENSOR

SENSOR DATA

TEMPERATURE SENSOR

MESSAGE INDICATION TO FARMER

BUZZER ALERT ON PREDATORS

SOUND ALARM

SENSING HUMIDITY LEVEL

DOING ANALYSIS AND DISPLAYING DATA

IOT DEVICE / DATA AGGREGATION

INSECTS ACTIVITY DETECTION

TO PREDICT ANY ANIMAL MOVEMENT

MONITORING

MOISTURE LEVEL

RESULTANT ACTIVITY

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| User Type | Functional requirement (Epic) | User Story number | User Story/Task | Acceptance criteria | Priority | Release |
| Customer (Mobile user) | Registration | USN-1 | User can enter into the web application | I can access my account /dashboard | High | Sprint 1 |
|  |  | USN-2 | User can register their credentials like email id and password | I can receive confirmation email & click confirm | High | Sprint 1 |
|  | Login | USN-3 | User can log into the application by entering email & password | I can login to my account | High | Sprint 1 |
|  | Dashboard | USN-4 | User can view temperature | I can view the data given by the device | High | Sprint 2 |
|  |  | USN-5 | User can view the level of sensor monitoring value | I can view the data given by the device | High | Sprint 2 |
| Customer (Web user) | Usage | USN-1 | User can view the web page and get the information | I can view the data given by the device | High | Sprint 3 |
| Customer | Working | USN-1 | User act according to the alert given by the device | I can get the data work according to it | High | Sprint 3 |
|  |  | USN-2 | User turns ON Buzzer/Sound Alarm when the disturbance will occur on field | I can get the data work according to it | High | Sprint 4 |
| Customer care Executive | Action | USN-1 | Users solve the problem when some faces any usage issues | I can solve the issues when someone fails to understand procedures | High | Sprint 4 |
| Administer | Administration | USN-1 | Users store every information | I can store the gained information | High | Sprint 4 |