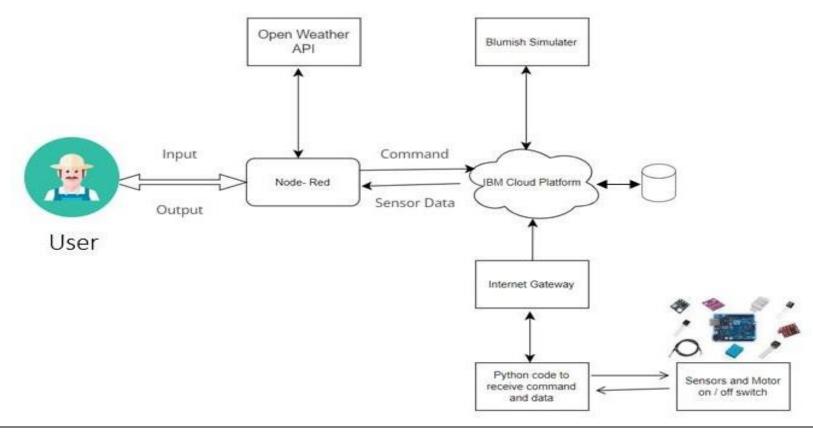
## Project Design Phase-II Data Flow Diagram & User Stories

| Date          | 03 October 2022                         |
|---------------|---|
| Team ID       | PNT2022TMID52019                        |
| Project Name  | Smart Farmer- IoT Enabled Smart Farming |
|               | Application                             |
| Maximum Marks | 4 Marks                                 |

## **Data Flow Diagrams:**

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.



## **User Stories**

| User Type                 | Functional<br>Requirement<br>(Epic) | User Story<br>Number | User Story / Task                                       | Acceptance criteria   | Priority | Release  |
|---------------------------|-------------------------------------|----------------------|---|---|----------|----------|
| Customer<br>(Mobile user) | User interface                      | USN-1                | As the interface is very simple it is easy to navigate. | Interface is very easy to use.                                    | High     | Sprint-1 |
|                           |                                     | USN-2                | Several modes are available for selecting crops.        | All modes can be selected by few clicks.                          | High     | Sprint-1 |
|                           |                                     | USN-3                | Each crop mode has specified monitoring system.         | Each mode has specified functions which are needed for a purpose. | Low      | Sprint-2 |
| Customer                  | Sensors                             | USN-4                | Each and every change is noted, even small changes.     | Change is accurately noted  | Medium   | Sprint-1 |
| Customer<br>(Mobile user) | Notification                        | USN-5                | The notification is well managed and is not a nuisance. | No delay in notification  | High     | Sprint-1 |
| Customer                  | Motors ON/OFF                       | USN-6                | Water level is always maintained at the desired level.  | Water wastage is avoided.   | Medium   | Sprint-1 |
|                           |                                     |                      |   |   |          |          |
|                           |                                     |                      |   |   |          |          |
|                           |                                     |                      |   |   |          |          |
|                           |                                     |                      |   |   |          |          |
|                           |                                     |                      |   |   |          |          |