**Project Development Phase**

**sprint 3**

|  |  |
| --- | --- |
| Team ID | PNT2022TMID01130 |
| Project name | Smart Farming Application |

**FLOW CHART:**



**Concept:**

Smart farming is management concept focused on providing the agricultural industry with the infrastructure to leverage advanced technology including big data, the internet of things (IoT)

**Advantages:**

* Tracking
* Monitoring
* Automating
* Analysing Operations
* It allows farmers to maximize yields using minimum resources such as water, fertilizers, seeds etc.
* Solar powered and mobile operated pumps save cost of electricity.
* Smart agriculture use drones and robots which helps in many ways.

**Disadvantages:**

* The use of fertilizers and other chemicals in modern farming leads to annual loss of soil quality.
* Approximately half of the nitrate in the fertilizers utilized on crops gets washed into water bodies resulting in water pollution.