

## Project Design Phase-II

### Data Flow Diagram & User Stories

Date	08 November 2022
Team ID	PNT2022TMID52180
Project Name	IOT based Smart Crop Protection System for Agriculture
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

Use the below template to list all the user stories for the product.

Sensors	Passive Infrared Sensor
Display	LCD Display
Perception	sensor nodes, GPS, etc.
Power supply	Rated voltage 6V DC
Sound output	10 cm at 85dB
Tone	Micro controller, Buzzer, Rheostat(10K), GSM based SIM900A, PIEZO Buzzer
Operating Voltage	8V DC
LCD Display	(16*2) (JHD162A)

#### ADVANTAGE:

The IOT device is used to indicate the farmer by a message while someone enter into the farm and we are used SD Card module that helps to store a specified sound to fear the animals.