

## Project Design Phase- II

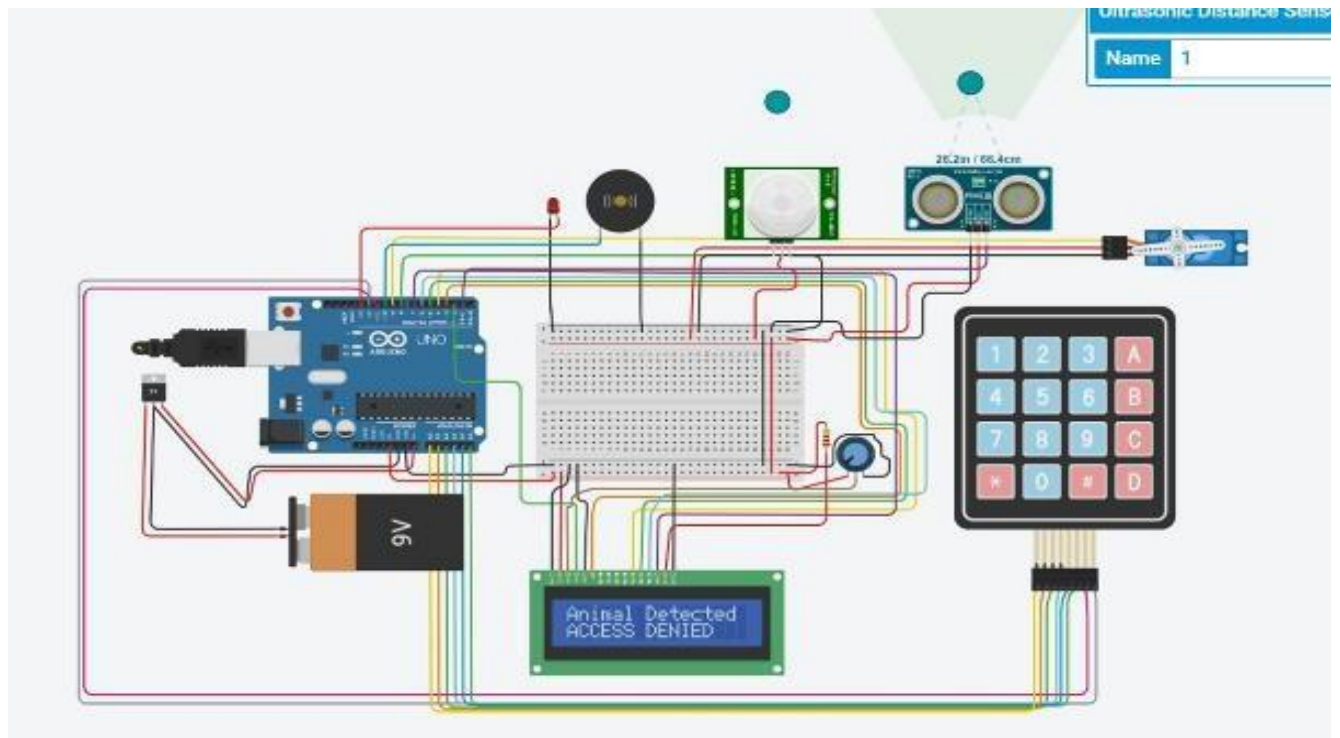
### Data Flow Diagram & User Stories

Date	03 October 2022
Team ID	PNT2022TMID36861
Project Name	Project - IOT Based Smart Crop Protection System for Agriculture
Maximum Marks	4 Marks

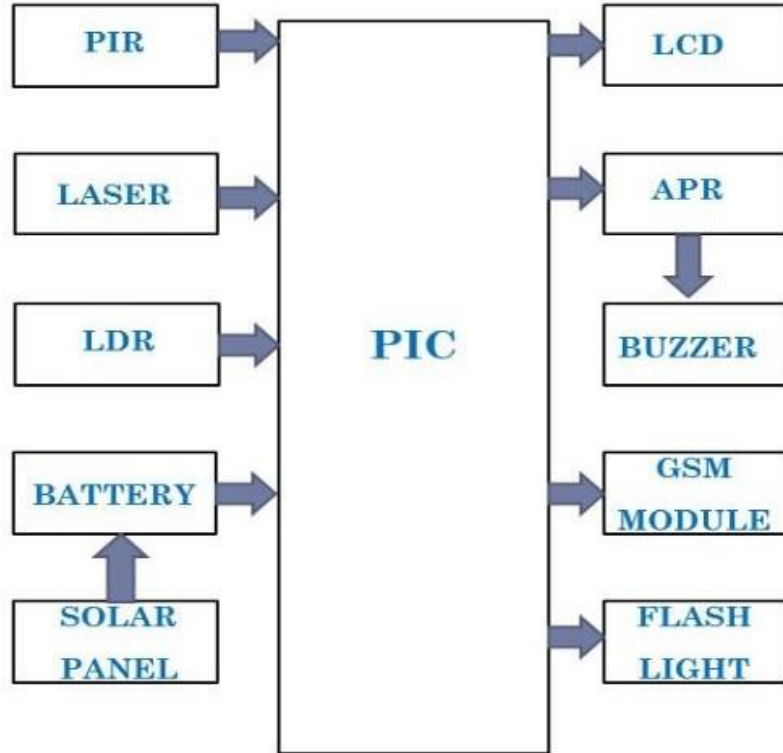
### Data Flow Diagrams:

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.

### Data Flow Architecture:



### Data Flow Diagram :



### User Stories:

A systematic survey of 160 households in district was conducted to study the extent of crop raiding by wild animals. Almost all respondents (97.5%) reported crop damage by wild animals. Most crop damage was done by deer (91.1%). Farmers mostly used traditional nonlethal measures to secure their crops from wild animals. The most widely used measures were fencing (82.5%), guarding (75%), and scarecrows (71.9%). Farmers felt the need for the government to intervene- by providing permanent fencing materials (27.4%), legalizing killing (26.85%), introducing compensation schemes (18.3%) and investing in electrification of the field perimeters (17.7%).

NAME OF THE VILLAGE	CROP DAMAGE PERCENTAGE
KINHIRAJA	44
VAKAD	25
ADOLI	10
KHANDALA	15
GOHGAON	6



