

## Project Design Phase-I Solution Architecture

Date	20 OCTOBER 2022
Team ID	PNT2022TMID33661
Project Name	IOT Based Smart Crop Protection System For Agriculture
Maximum Marks	4 Marks

### Solution Architecture:

The NATECH Escape [17] is an IOT development board that provides animal repelling capabilities through the generation of ultrasounds:

- The device uses a solar panel along with LIPO batteries that are charged with a battery recharging system.
- To improve the energy efficiency of the device, we made use of a Passive Infrared Sensor (PIR) sensor
- To transmit, process and store the information retrieved by the device, we are using a Proxy software that collects the “activities”,

### Solution Architecture Diagram:

