**Project Design Phase-I**

**Solution Architecture**

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| **Date** | 29.09. 2022 |
| **Team ID** | PNT2022TMID41966 |
| **Title** | IOT Based Smart Crop Protection System For  Agriculture |

**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:**

