

# **IBM – NALAYATHIRAN PROJECT**

**DOMAIN: INTERNET OF THINGS**

**PROBLEM STATEMENT: IOT BASED SMART CROP  
PROTECTION SYSTEM FOR AGRICULTURE**

## **IDEATION PHASE**

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### IDEA 1:

Use of motion and to detect the movement of animals near the field and generation of buzzer sound to woo away the animals

### IDEA 2:

Use of smoke/gas sensor to detect the fire near the field and alert the farmer via a SMS

### IDEA 3:

Use of soil moisture sensor to detect the amount of water received to the crop and automatic switch on and off of the motor

### IDEA 4:

Generation of irritating frequencies to flay away birds outside the grains field