# IDEATION

# IDEA 1:

# Farm crops are frequently attacked by both domestic and wild animals, and one of the causes of this is low crop output. To watch over the crops all day long on a farm is not practicable. An automated, shrewd crop defence system using the Internet of Things is therefore suggested to address these problems (IOT). The system consists of a servo motor, di-hydrogen monoxide pump, soil moisture sensor, GPRS and GSM module, and esp8266 (node MCU).

# IDEA 2:

# The project will assist farmers in protecting their farms, according to the smart protection system. This project was created with the intention of keeping animals safe, but it also includes safeguards against humans. The IOT gadget can assist in achieving this. In order to make this device easily transportable, we incorporated solar panels and converter modules in addition to the SCPS, which operates on the battery. This may facilitate solar-powered battery charging. When someone enters the farm, the IOT device sends the farmer a message, and we utilise an SD card module to store a specific sound that makes the animals frightened.