

PROJECT DEVELOPMENT PHASE
SPRINT-2

Date	15 November 2022
Team ID	PNT2022TMID32996
Project Name	IoT- Based Smart Crop Protection System For Agriculture

**PHYTHON CODE TO DETECT ANIMALS & BIRDS AND TO
ALERT THE FARMERS USING BUZZER :**

```
import RPi.GPIO as GPIO
```

```
import time
```

```
sensor = 16
```

```
buzzer = 18
```

```
GPIO.setmode(GPIO.BOARD)
```

```
GPIO.setup(sensor,GPIO.IN)
```

```
GPIO.setup(buzzer,GPIO.OUT)
```

```
GPIO.output(buzzer,False)
```

```
print "Initialzing PIR Sensor....."
```

```
time.sleep(12)
```

```
print "PIR Ready..."
```

```
print " "
```

```
try:
```

while True:

if GPIO.input(sensor):

GPIO.output(buzzer,True)

print "Motion Detected"

while GPIO.input(sensor):

time.sleep(0.2)

else:

GPIO.output(buzzer,False)

except KeyboardInterrupt:

GPIO.cleanup()