IoT Based Smart Crop Protection System for Agriculture

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Animal detection:

Source code:

```cpp
// C++ code
//
#include<LiquidCrystal.h>
LiquidCrystal lcd(11,12,5,4,3,2);
int led = 7;
int pirPin = 13;

void setup(){
 pinMode(6,OUTPUT);
 lcd.begin(16,2);
 pinMode(led, OUTPUT);
 pinMode(pirPin, INPUT);
 Serial.begin(9600);
}

void loop()
{
 lcd.blink();
 int a = digitalRead(pirPin);
 Serial.println(a);

 if(a==HIGH)
 {
 lcd.setCursor(1,1);
```

```
lcd.print("Animal Detected");

digitalWrite(led, HIGH);

digitalWrite(6, LOW);

delay(2000);

lcd.clear();

}

else

{

digitalWrite(led, LOW);

digitalWrite(6, HIGH);

lcd.clear();

}

}
```