

IOT Project

Smart Bike

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A Model of Overall code

Note :

This model code (subject to corrections) does not include any Bluetooth or WIFI related codes yet. Please feel free to edit or modify this document.

```
void loop() {  
  
    If (security_mode)  
    {  
        PIR_motion_sensing();  
    }  
    else  
    {  
        Distance_sensing();  
        LDR_sensing();  
    }  
}
```

```
void PIR_motion_sensing()
{
    if( motion_detected() )
    {
        Buzzer();
        Turn_on_leds();
    }
}
```

```
void Distance_sensing()
{
    Dist = read_distance();
    update_servo_dial( Dist );

    if ( Dist <= MIN_DIST )
    {
        Buzzer();
        Turn_on_leds();
    }
}
```

```
void LDR_sensing()
{
    If ( Low_light_intesity() )
    {
        Turn_on_leds();
    }
}
```