

MINI PROJECT

AIM: CREATE A ROBOT WHICH WILL MOVE ONLY ON YELLOW PATH IN GIVEN IMAGE.

CODE:

```
import ch.aplu.robotsim.*;
```

```
public class Miniproject
```

```
{Miniproject(){
```

```
    LegoRobot r=new LegoRobot();
```

```
    Gear g = new Gear();
```

```
    LightSensor ls= new LightSensor(SensorPort.S3);r.addPart(g);
```

```
    r.addPart(ls);
```

```
    g.forward();
```

```
    g.setSpeed(100);
```

```
    while(true){
```

```
        int v =ls.getValue();
```

```
        if(v >= 1000)
```

```
            g.forward();
```

```
        if(v < 1000)
```

```
            g.left();
```

```
        if(v < 100)
```

```
        g.stop();

    }

}

static {

    RobotContext.setStartPosition(430,230);

    RobotContext.useBackground("sprites/yellowpath.gif");

}

public static void main (String

    args[]){new Miniproject();

}

}
```

OUTPUT:

