

Robotics 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: