***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:**

