**PROJECT ROVER**

**Objective**: The Project’ objective is to map the whole arena by controlling the bot from station and detecting obstacles and their colors.

This project is based on **Line Following Robot** which can wirelessly send or receive or send signals using **Bluetooth module -HC05** which acts as a medium of communication between the rover and our pc.

The Rover, while traversing the planet, sends runtime feedback about the various obstacles using **Ultrasonic** **sensor** and **Colour** **Sensor-TCS3200** and can display path.

The path can be drawn using **Processing IDE** and **Arduino IDE** was used for coding, sending and receiving signals using Serial Monitor.

**APPLICATIONS**

It is a fully automated bot. So, it can be used in places where human reach is difficult like going to other planets and exploring the surfaces and obstacles in the path.

**Team Members**

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