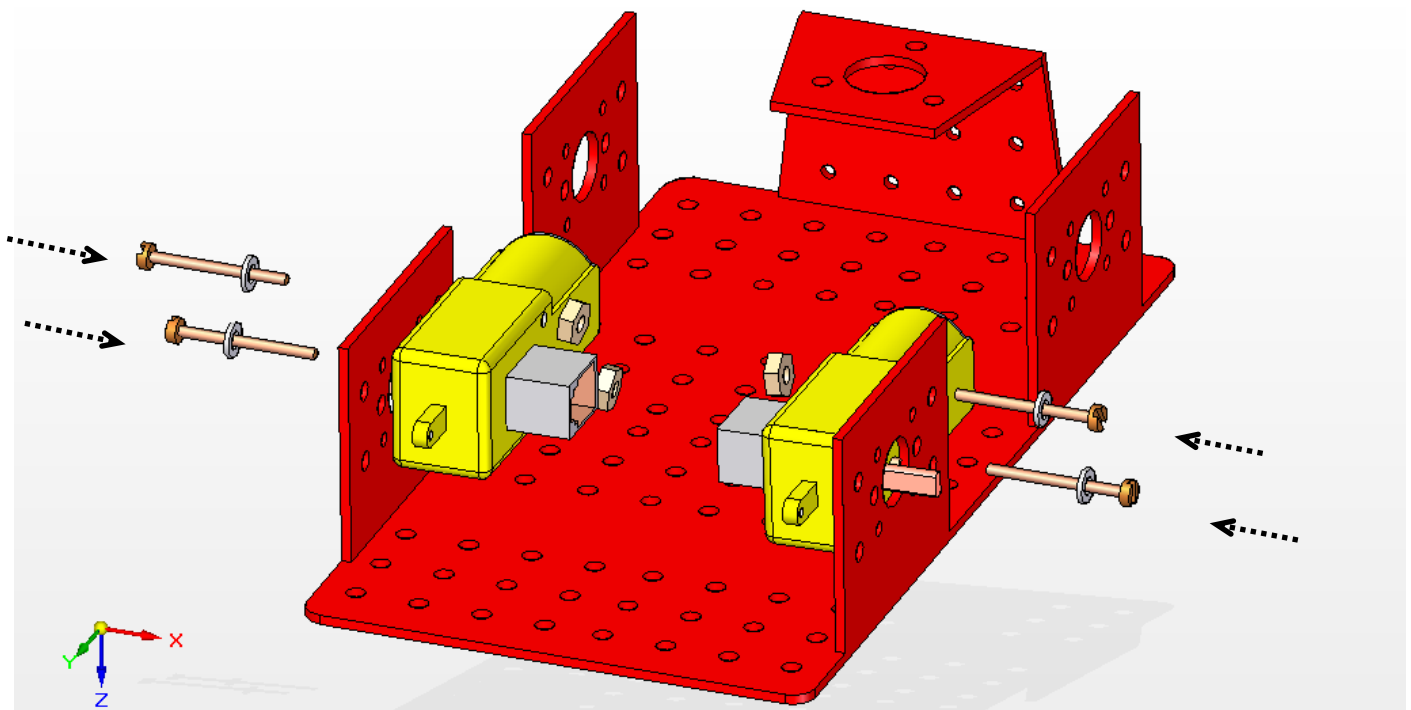# OBSTACLE AVOIDER

An **Obstacle avoiding robot is an intelligent device**, which can automatically sense and overcome obstacles on its path. The robot will automatically start traveling on the unstructured path without hitting any objects. When the IR module senses any obstacles on its way, it will turn right till it stops sensing and continue moving forward.
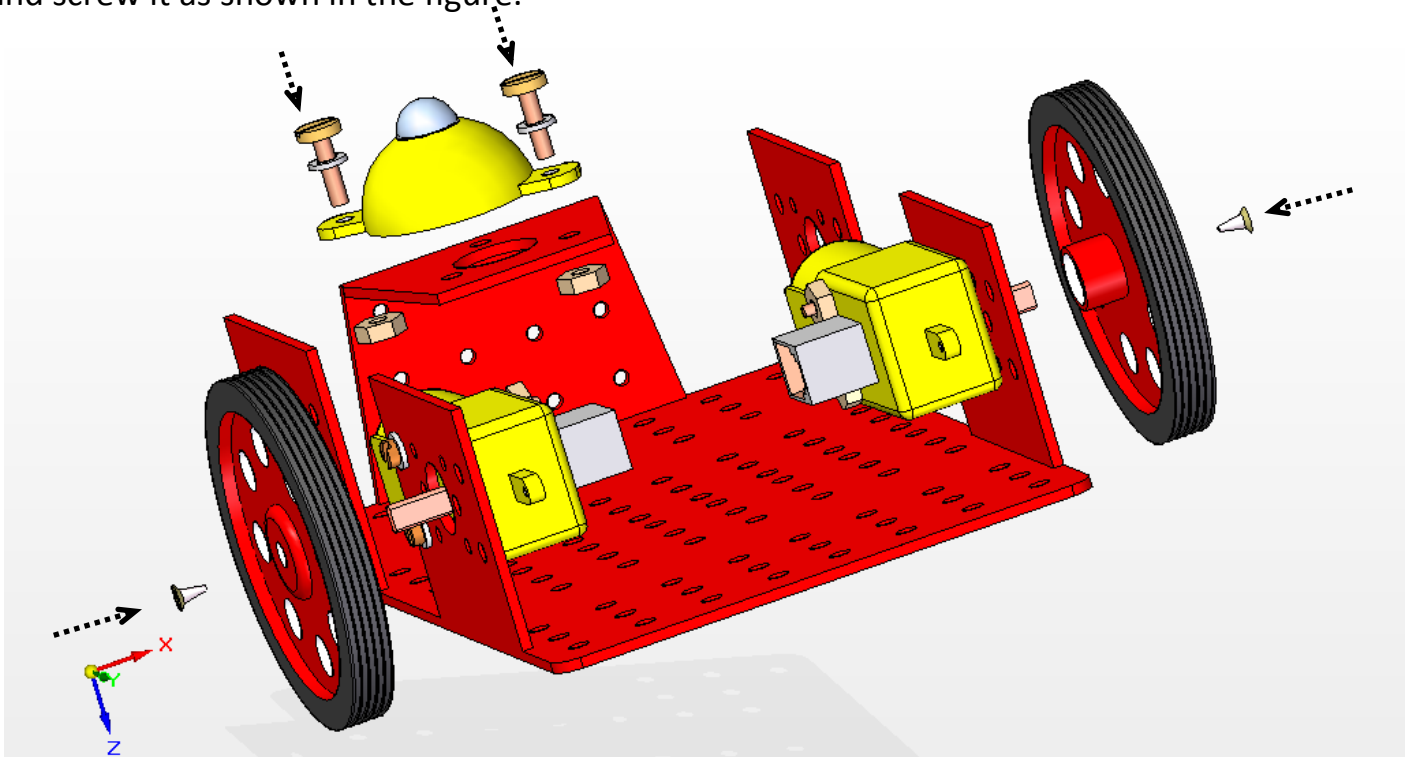
Construction:

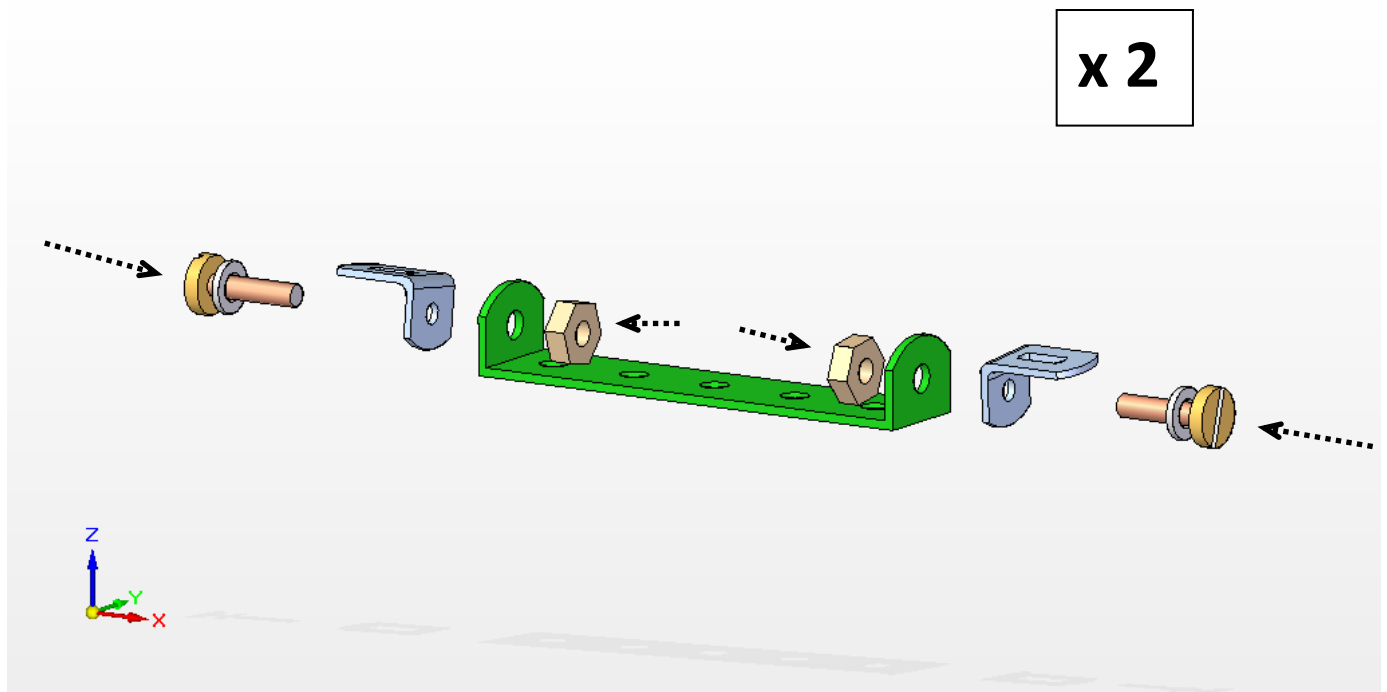**Step 1:** Take a chassis and connect the two DC motors with the help of M3M screws as shown in the figure.

Step 2: Fix the Mono Wheel with the help of M3S Screws. Also fix the Wheels to the motors and screw it as shown in the figure.

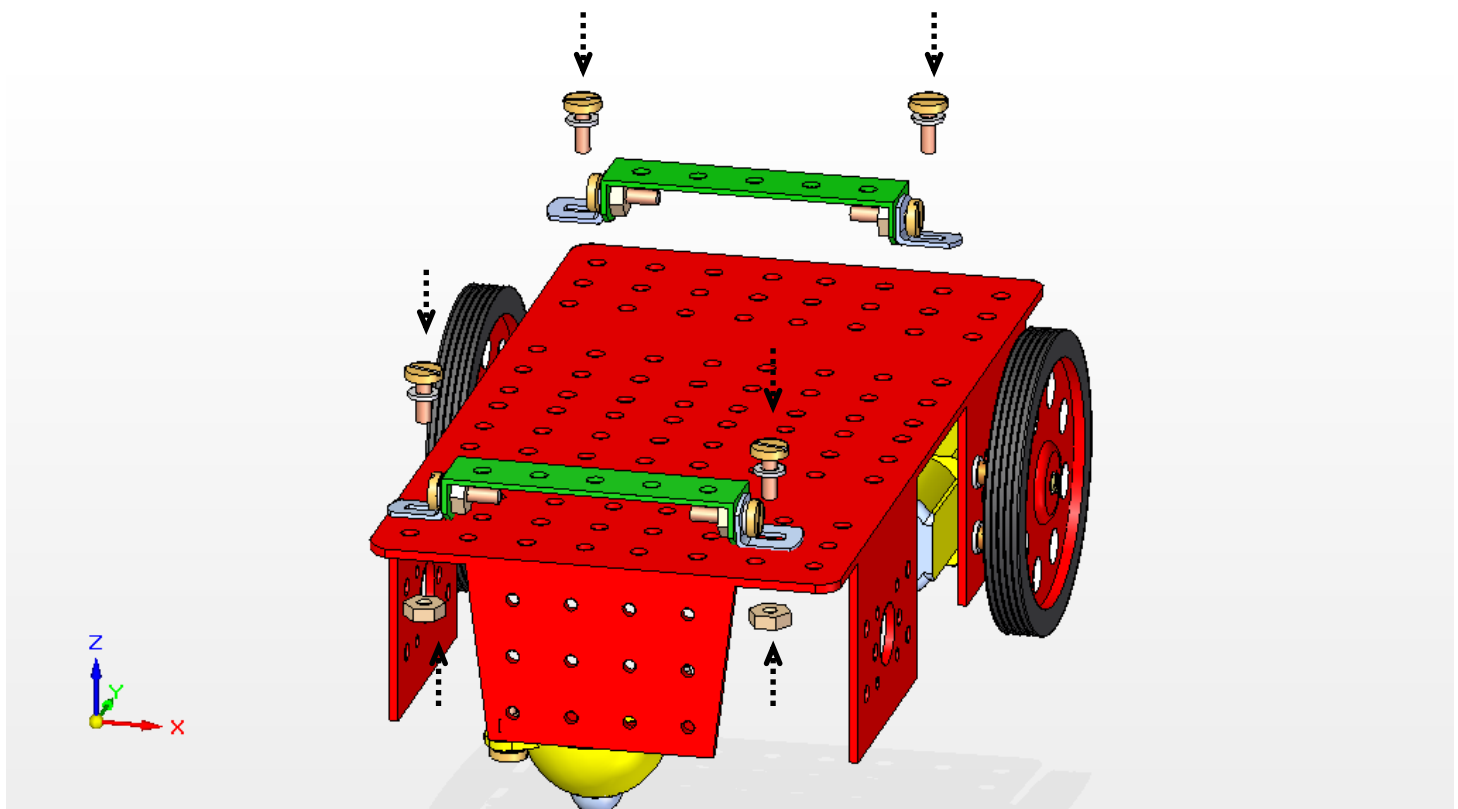**Step 3:** Take one UC5*1*1, two UC1*1 and connect both with M3S screws as shown in the figure. Repeat this step for two times.
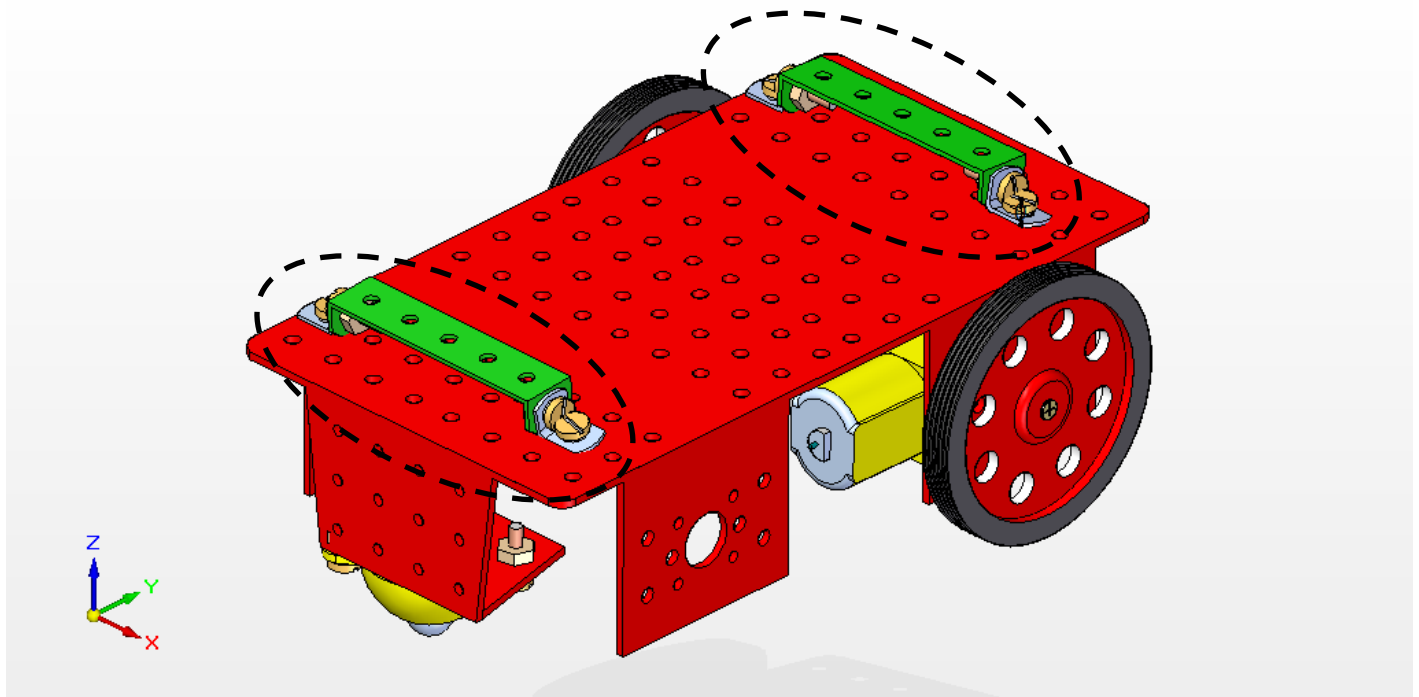

x 2

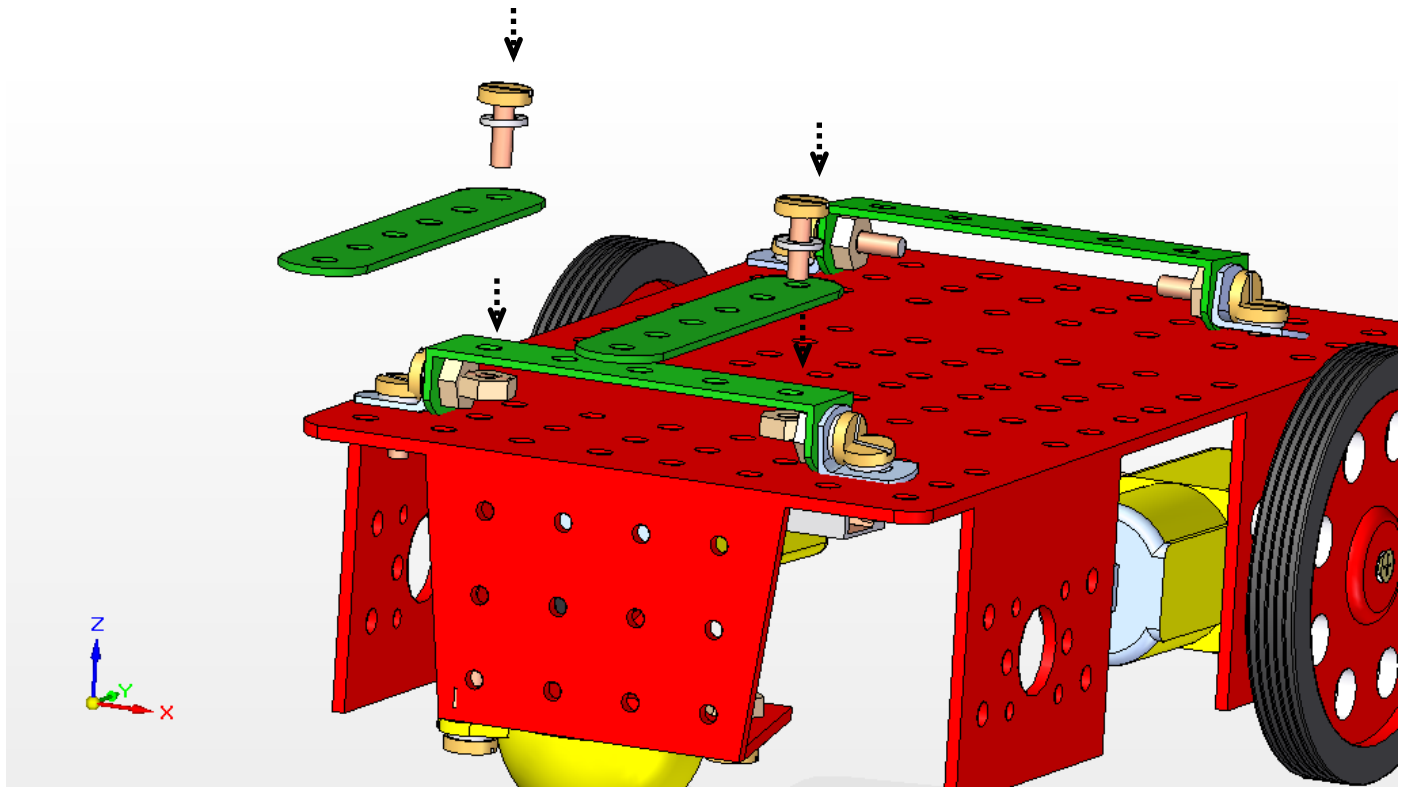**Step 4:** Connect these two components on the top of the chassis with M3S screws as shown in the figure.

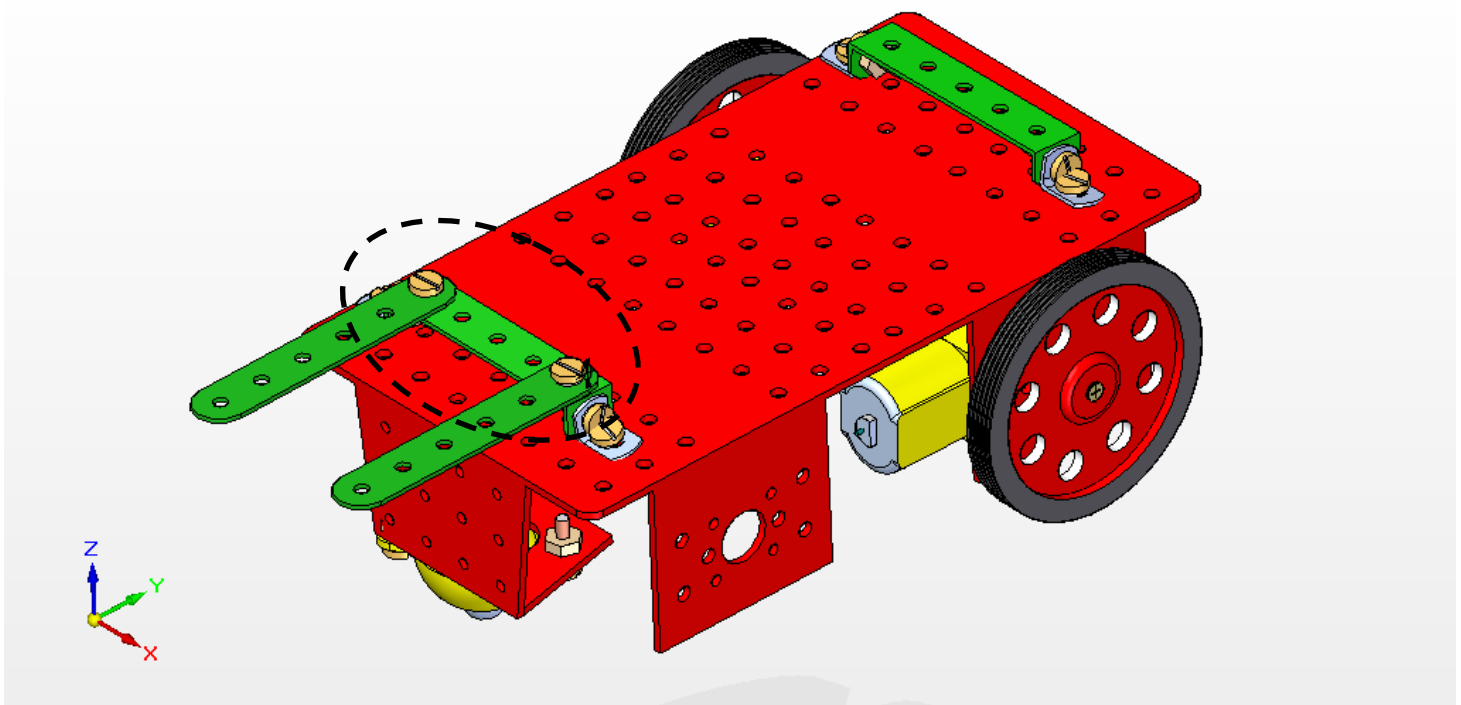**Step 5:** Check the placement of the strips.

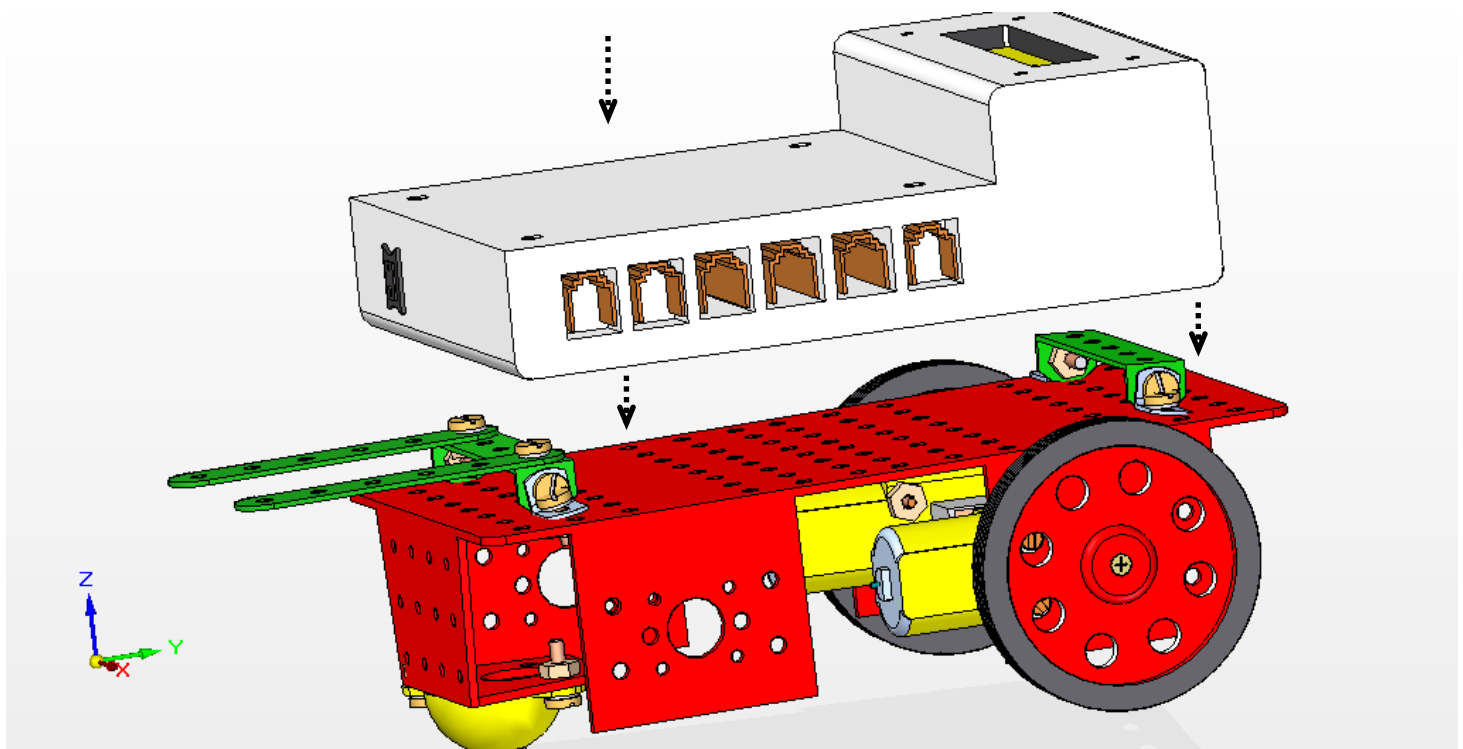**Step 6:** Take two flat beams FB6 and connect with the help of M3S screws as shown in the figure.

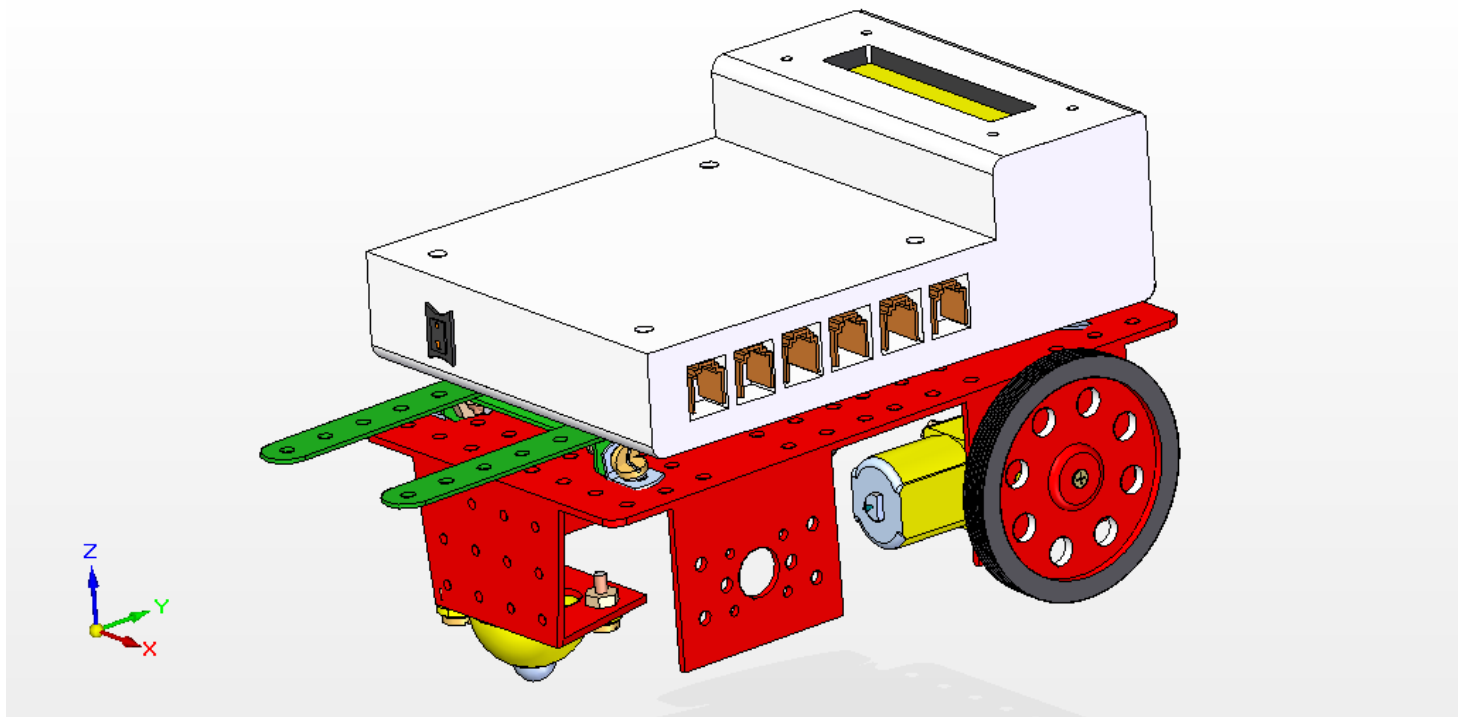**Step 7:** Align the beams as shown in the figure.
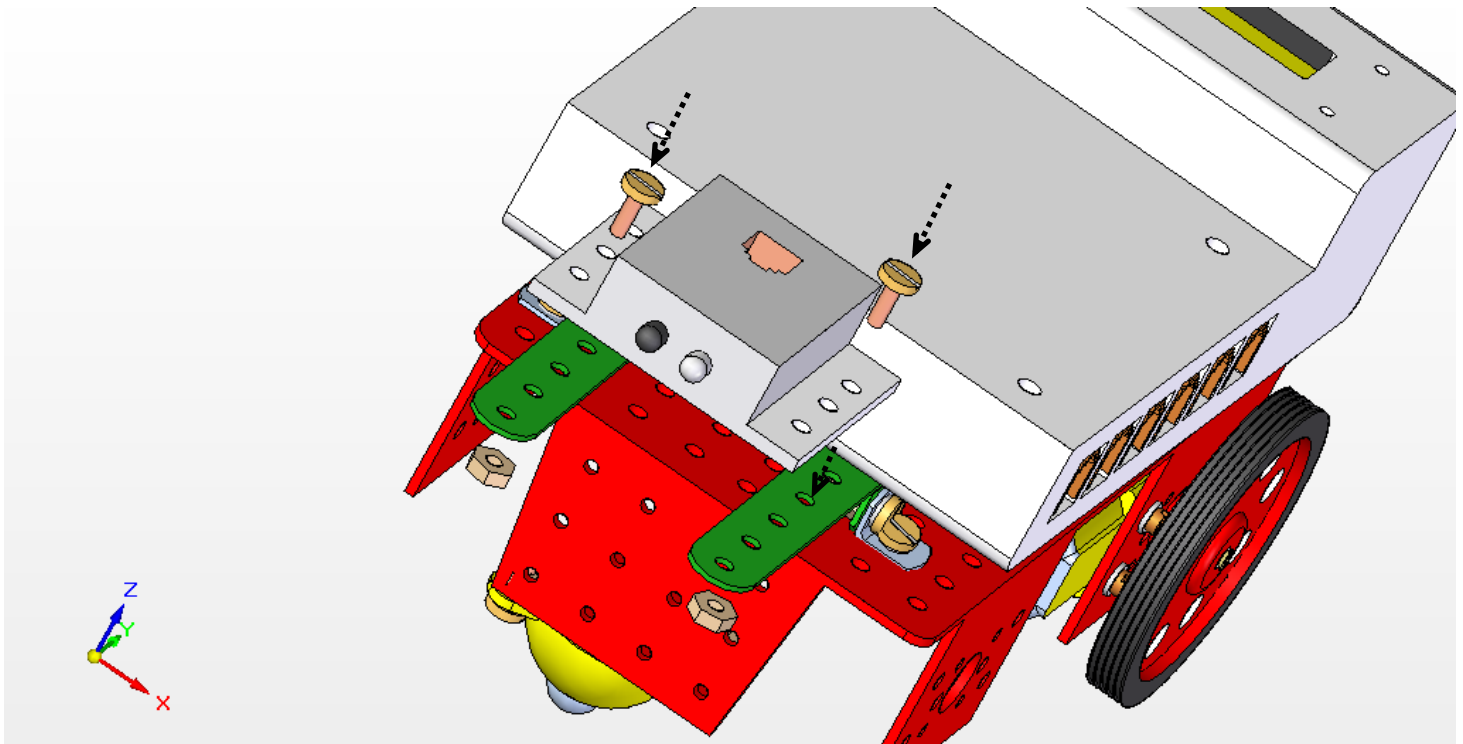
Step 8: Fix the NovaBot on the Chassis.

Step 9:

Step 10: Fix the IR sensor with M3S screws as shown in the figure.

Step 11: Connect the IR Sensor to any of the input ports of the NovaBot.