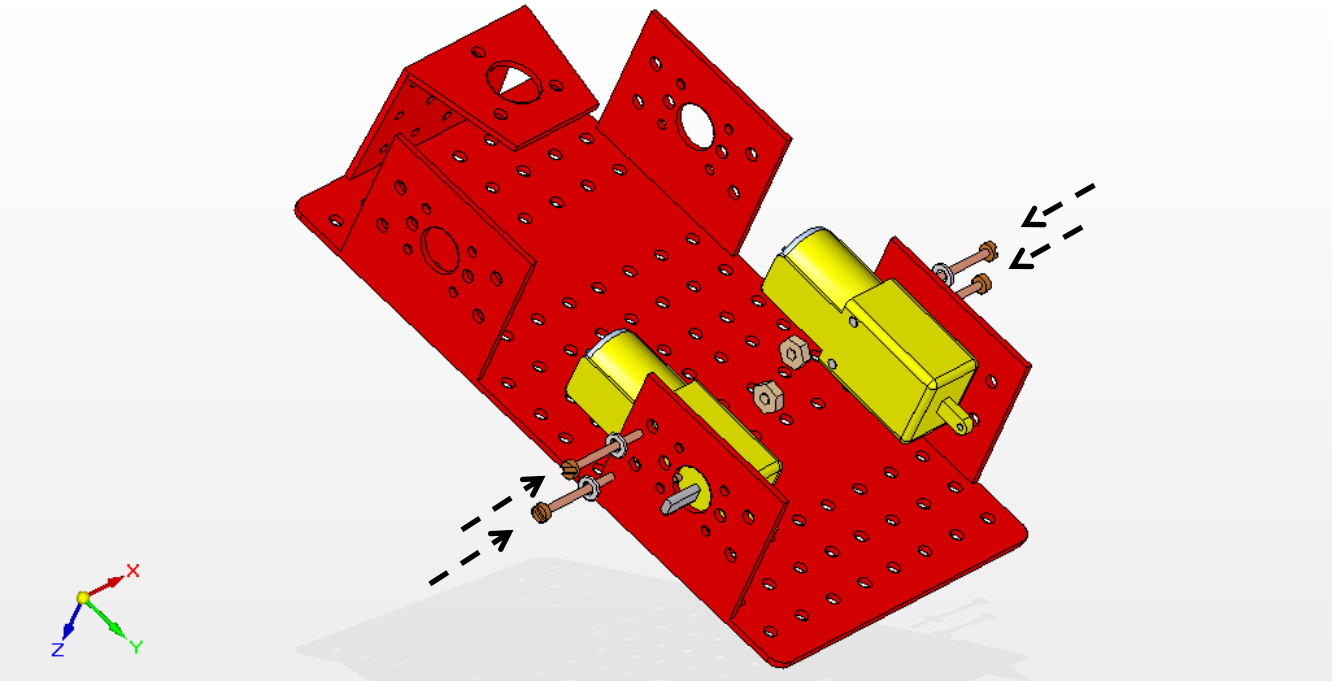
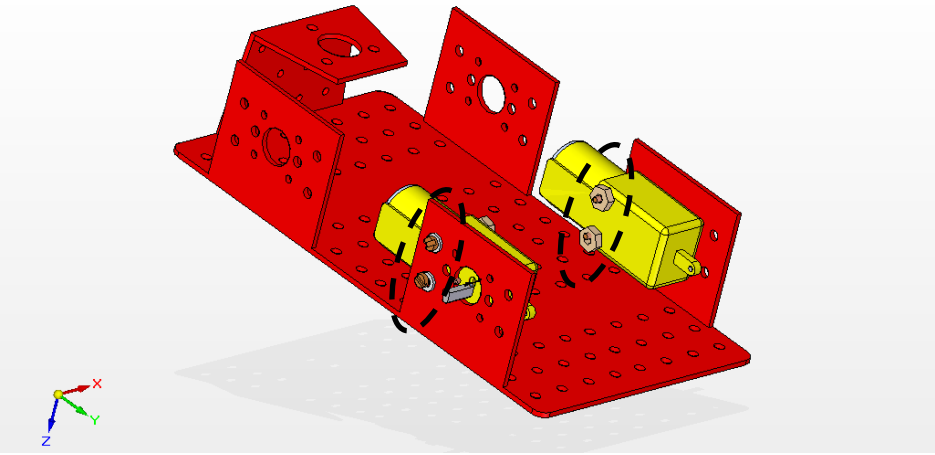
Base Ball Batter

Roll a ball at this robotic baseball batter, and it will watch the ball with the ultrasonic sensor then swing its bat to whack the ball at the right time. The better you pitch the better hits you will get.

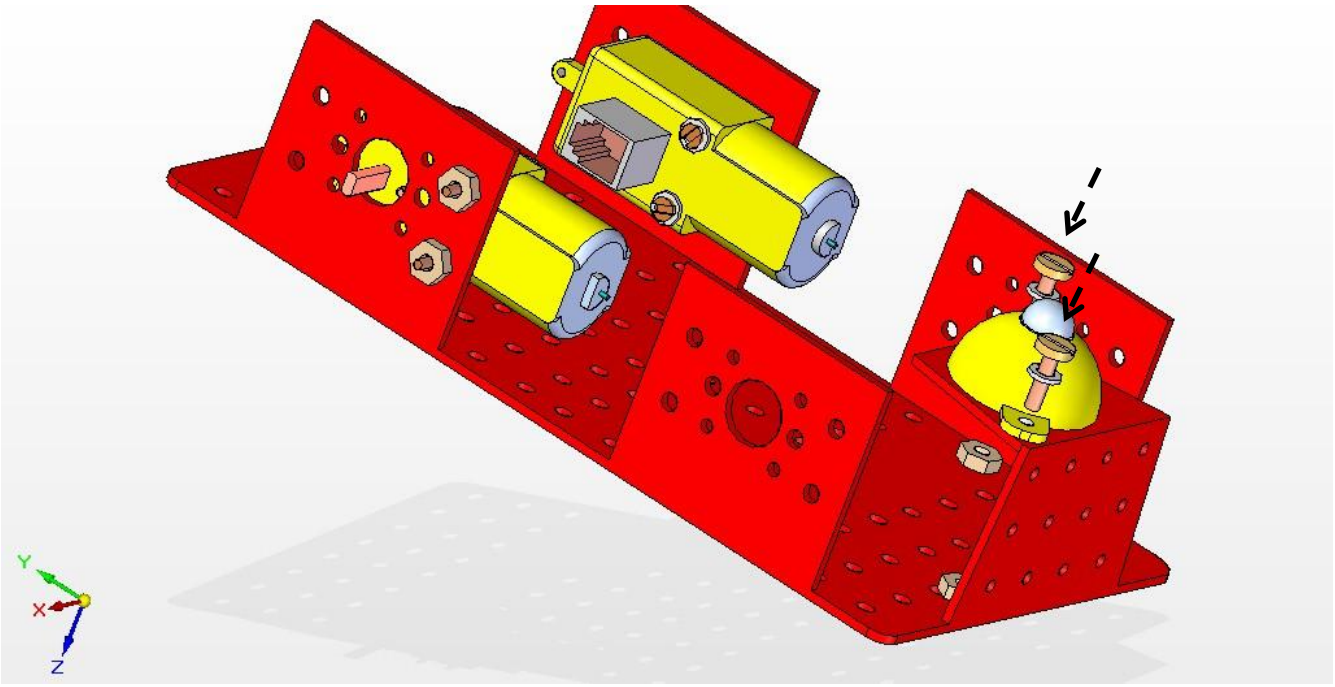
Construction:

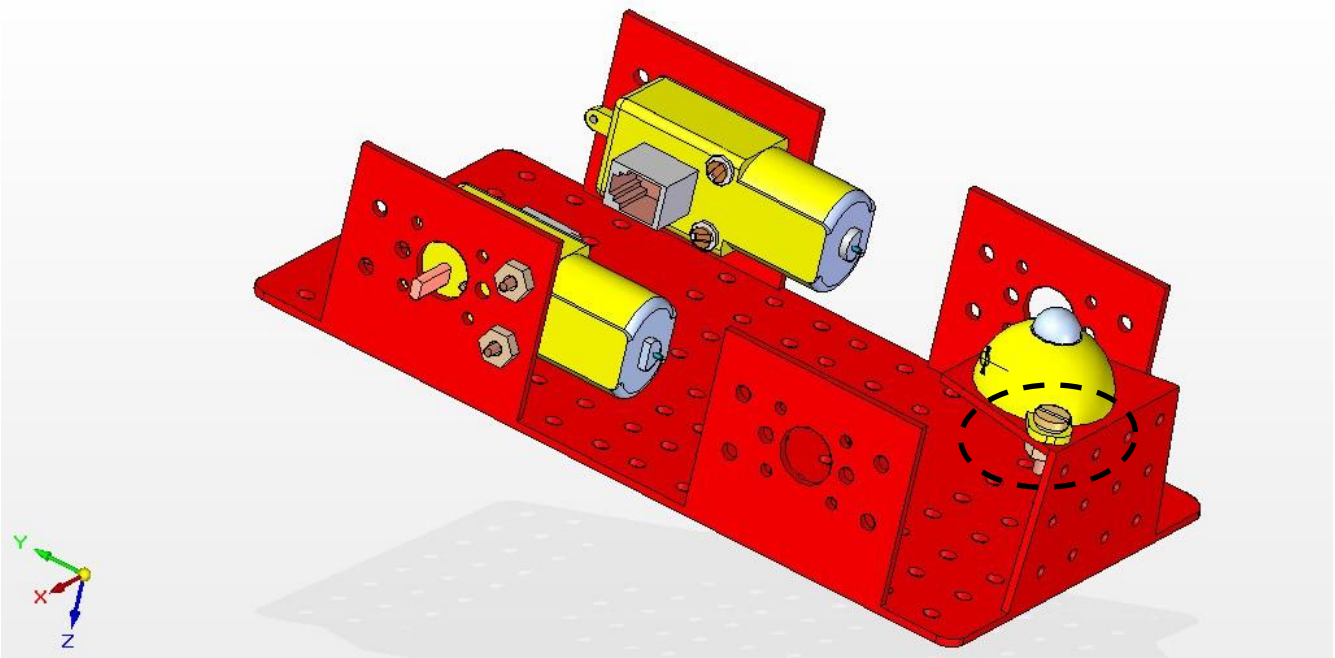
Step 1: Take a chassis and connect the two DC motors with the help of M3M screws as shown in the figure.



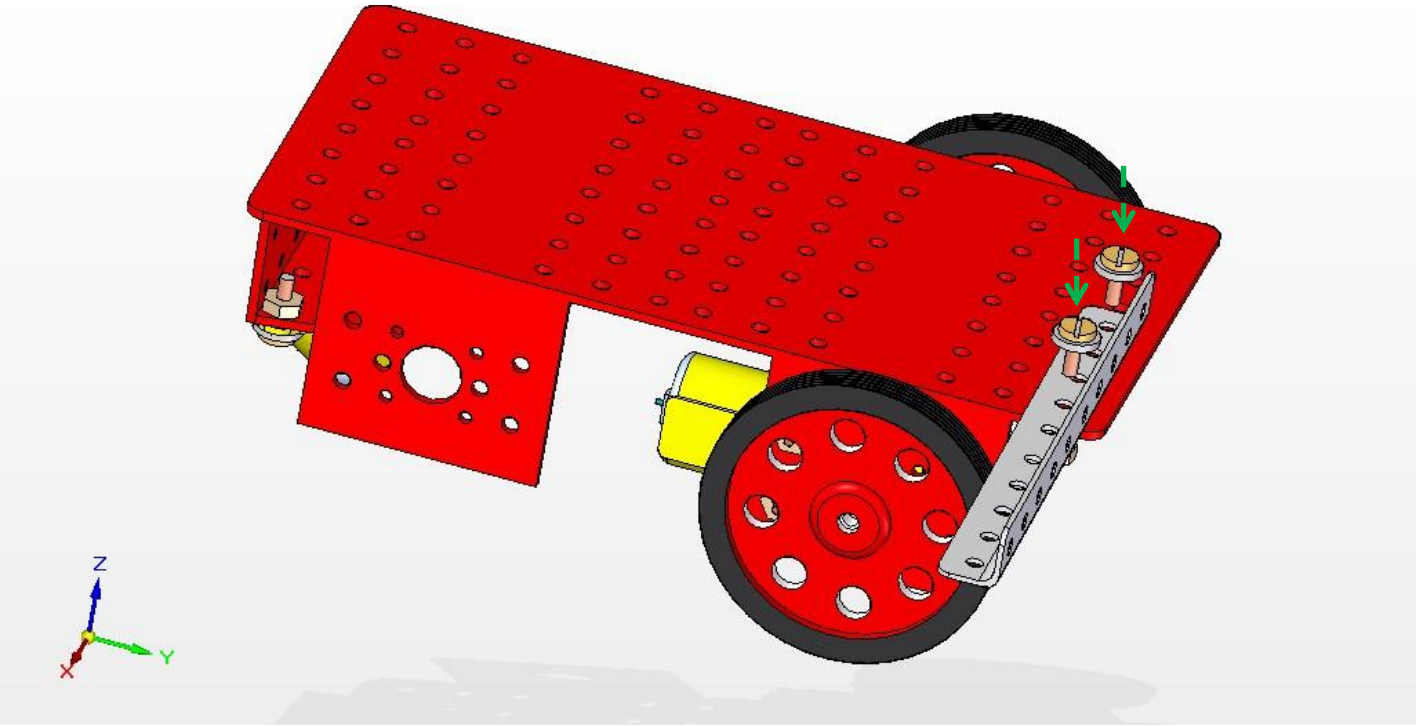


Step 2: connect Mono wheel to the front of the chassis with the help of two M3S screws.

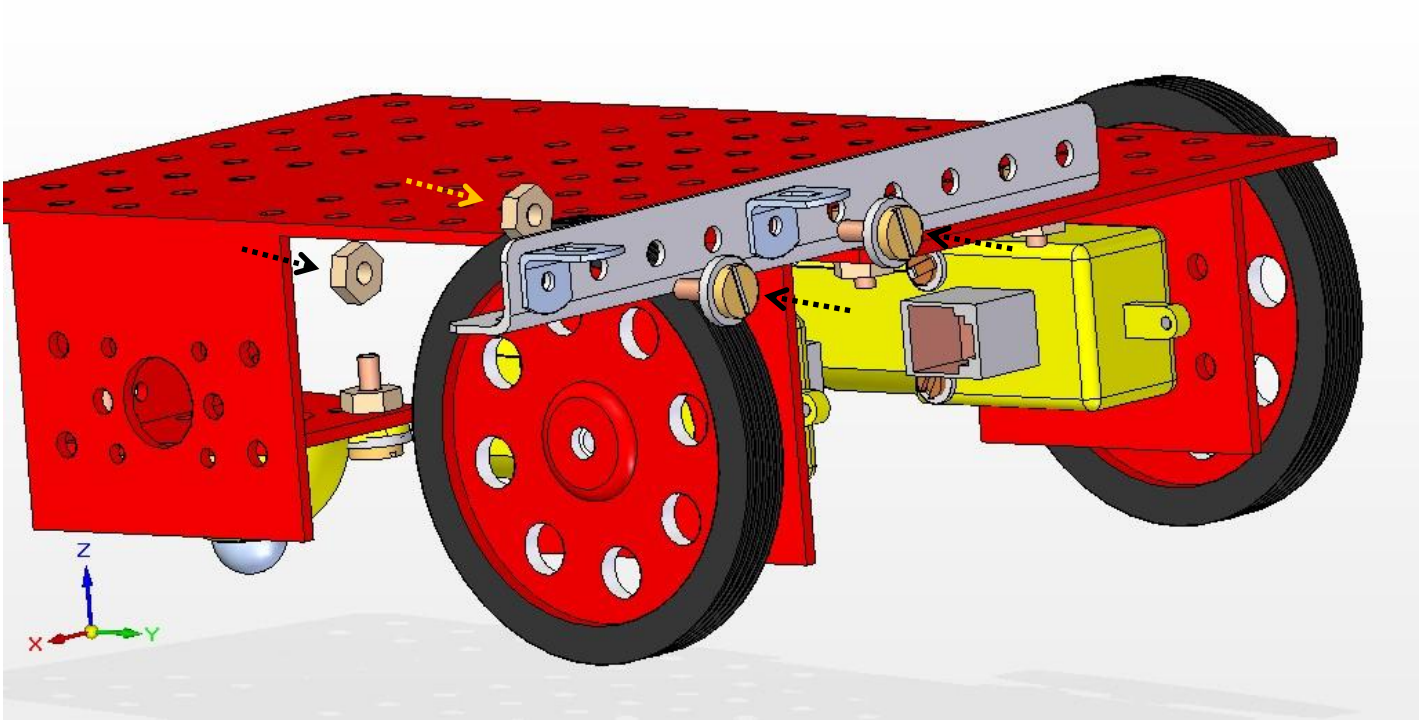


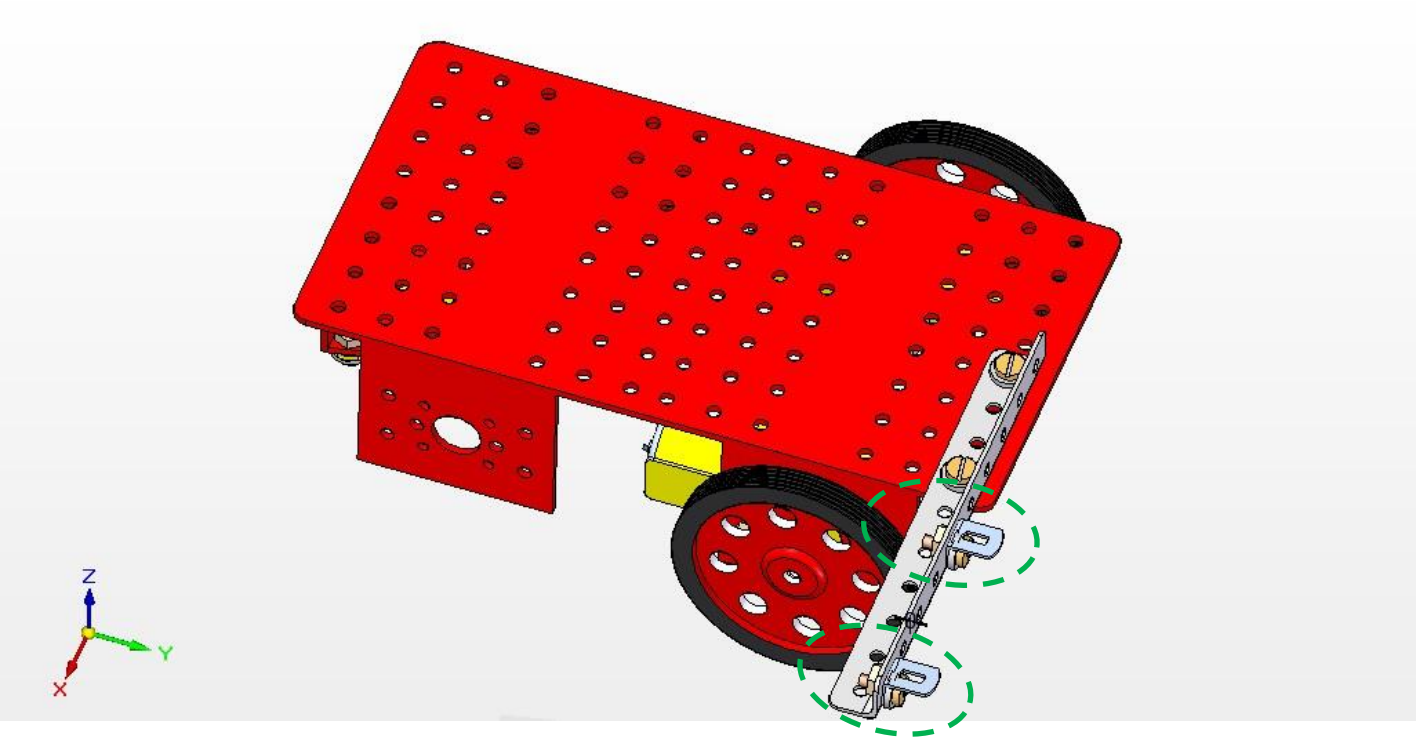


Step 3: Fix the LS10 beam to the chassis with the help of M3S Screws.

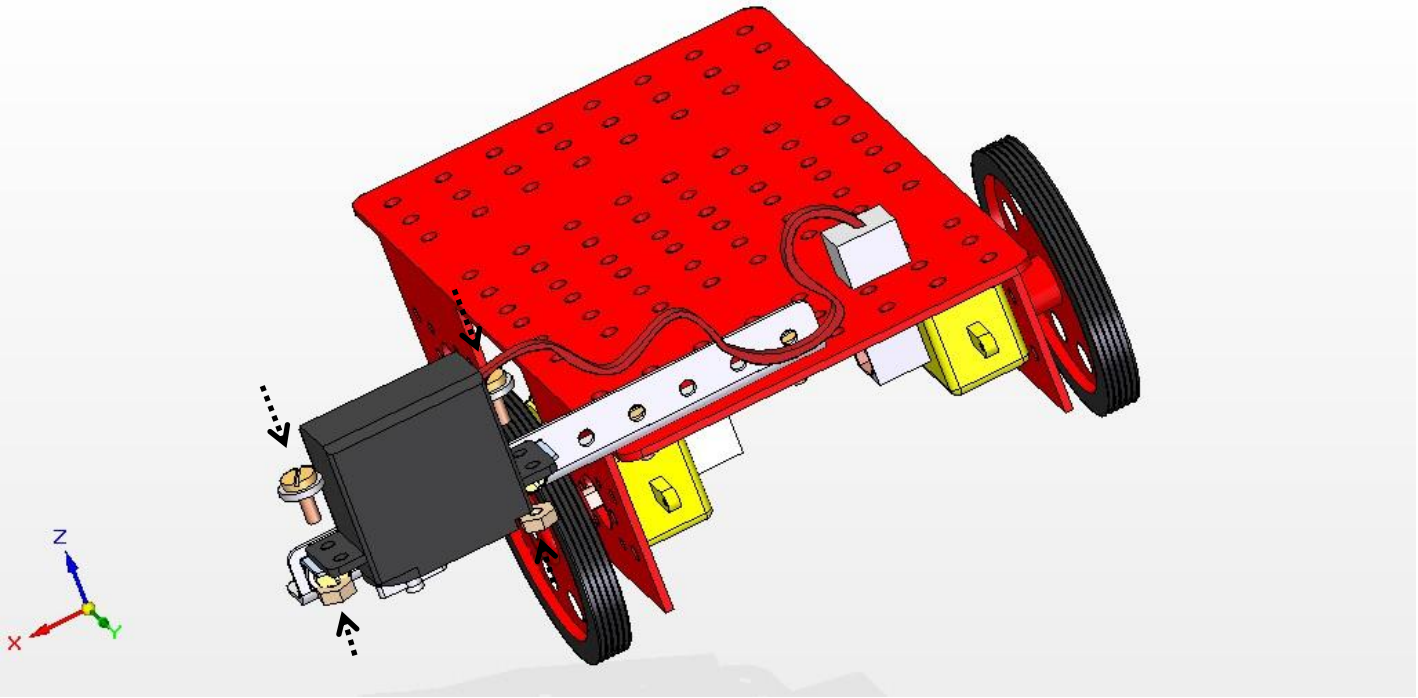


Step 4: Connect two UL1*1 to the LS10 beam with the help of M3S Screws as shown in the figure.

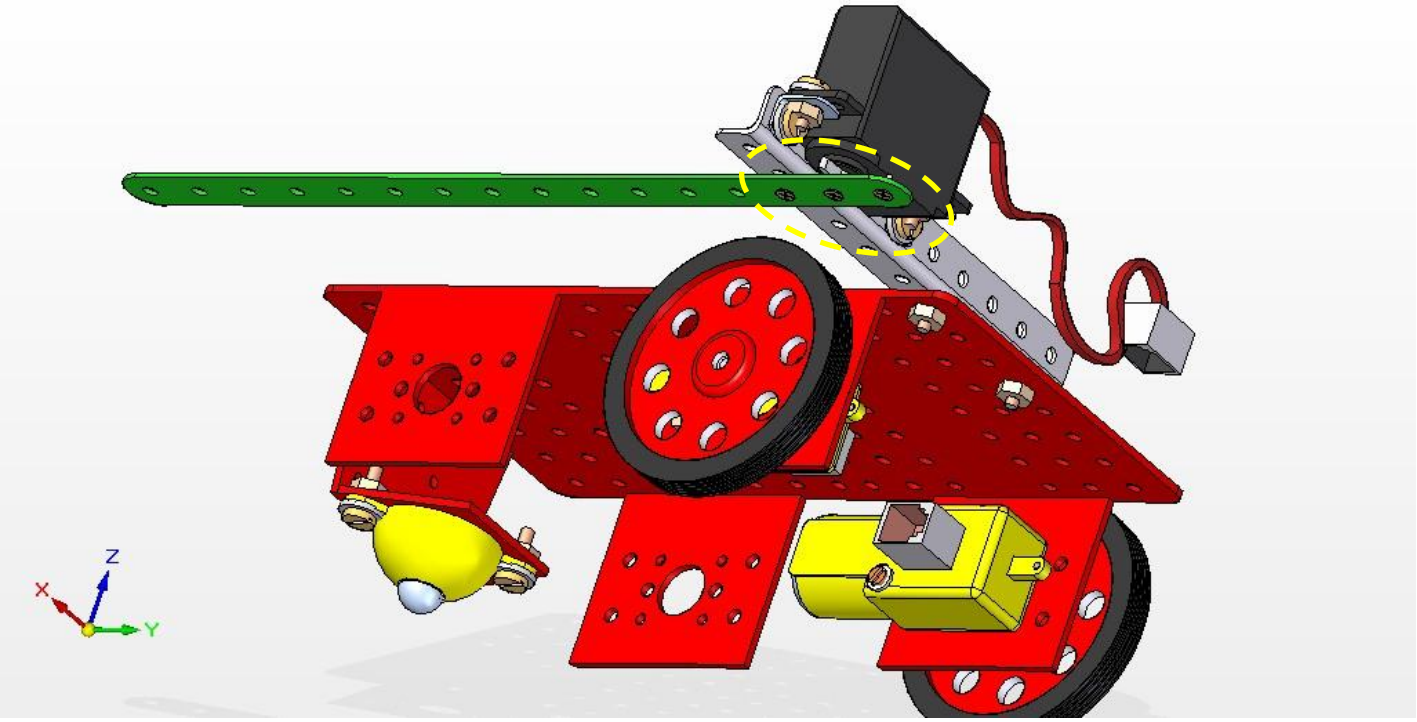




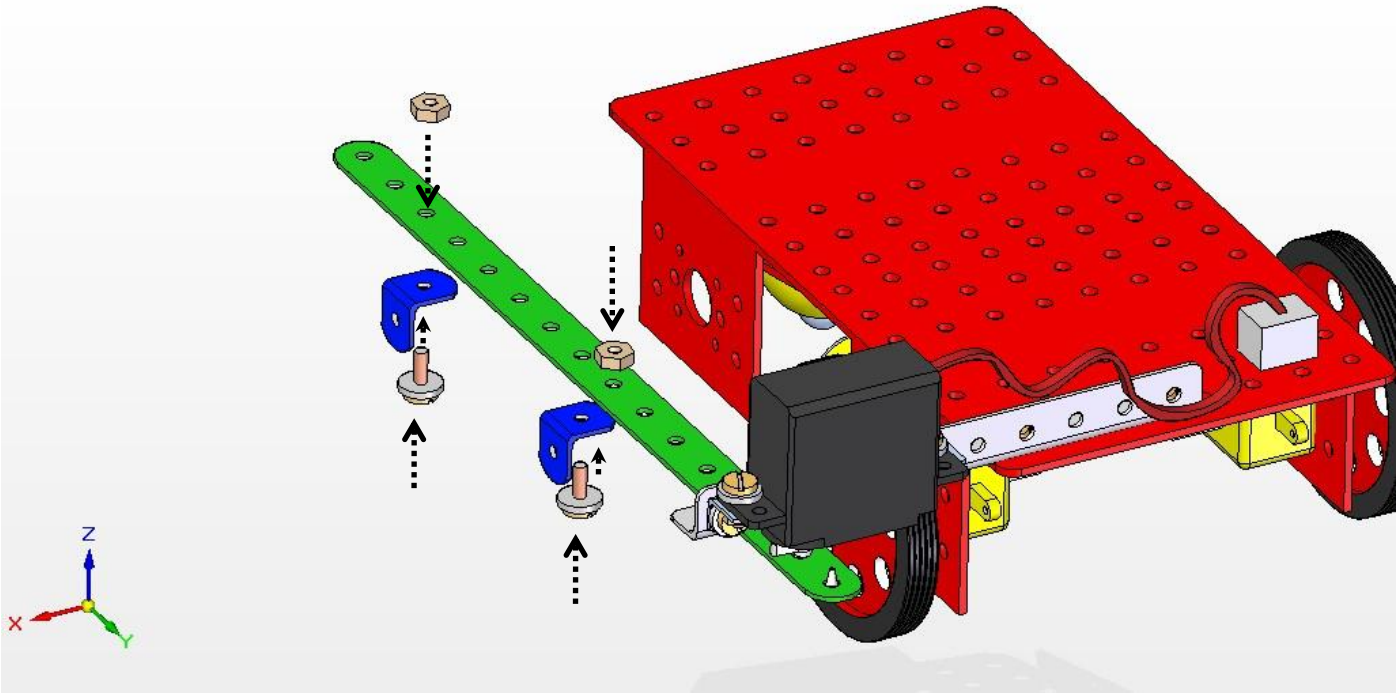
Step 5: Fix the Servo motor to the UL1*1 connector with the help of two M3S screws as show below.

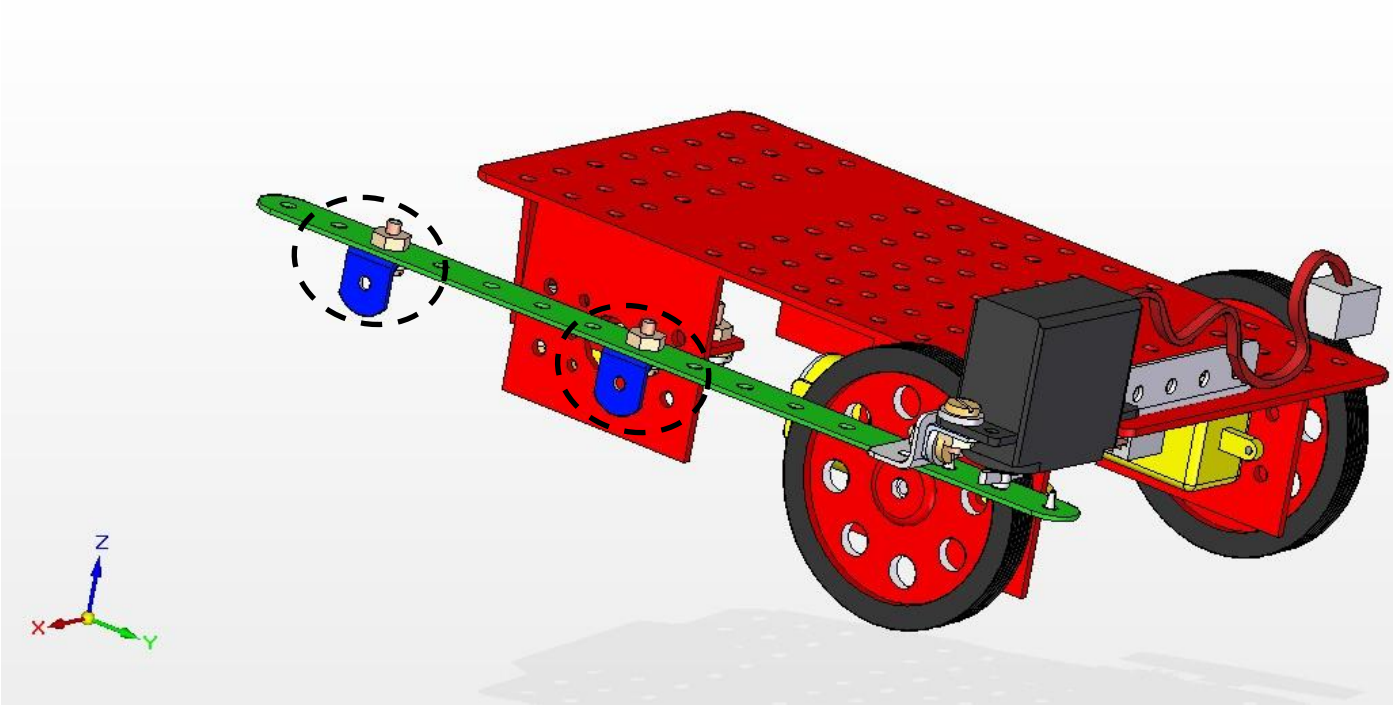


Step 6: Take one FB16 beam and connect to the servo shaft with the help of three screws as shown in the figure.

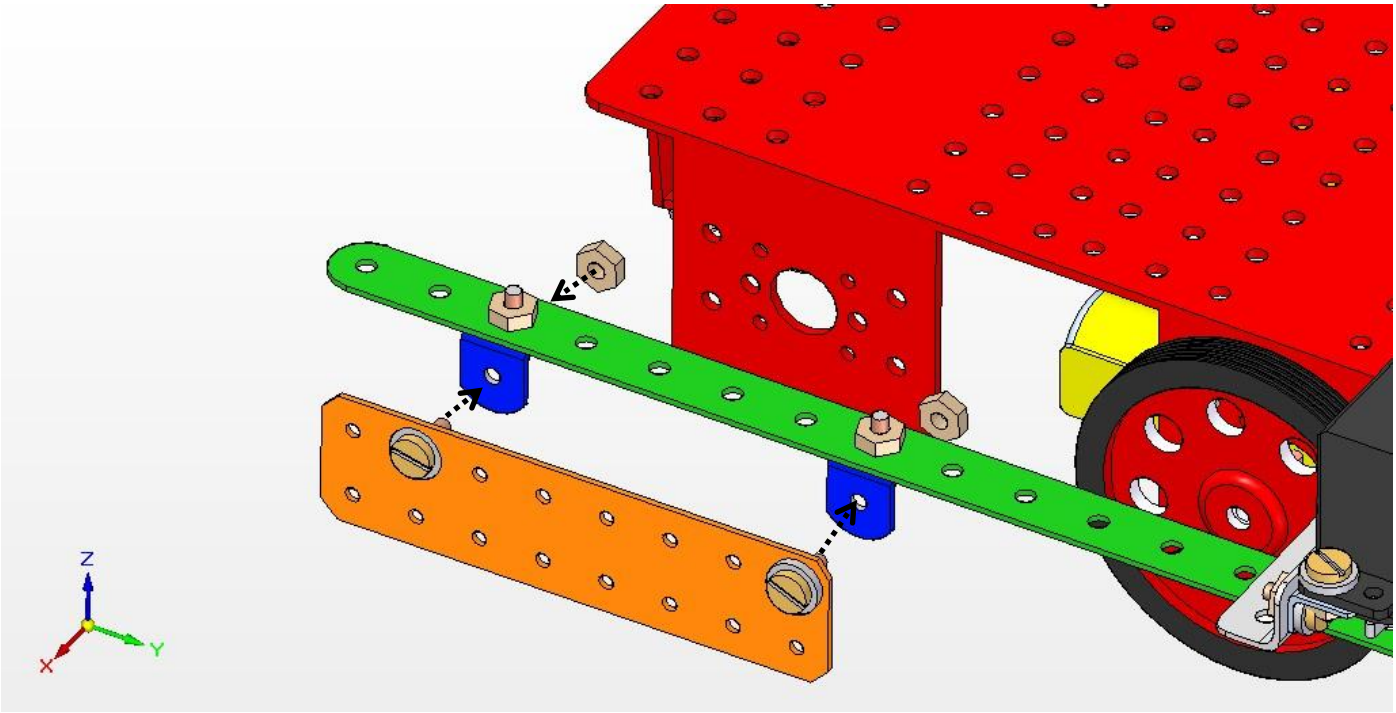


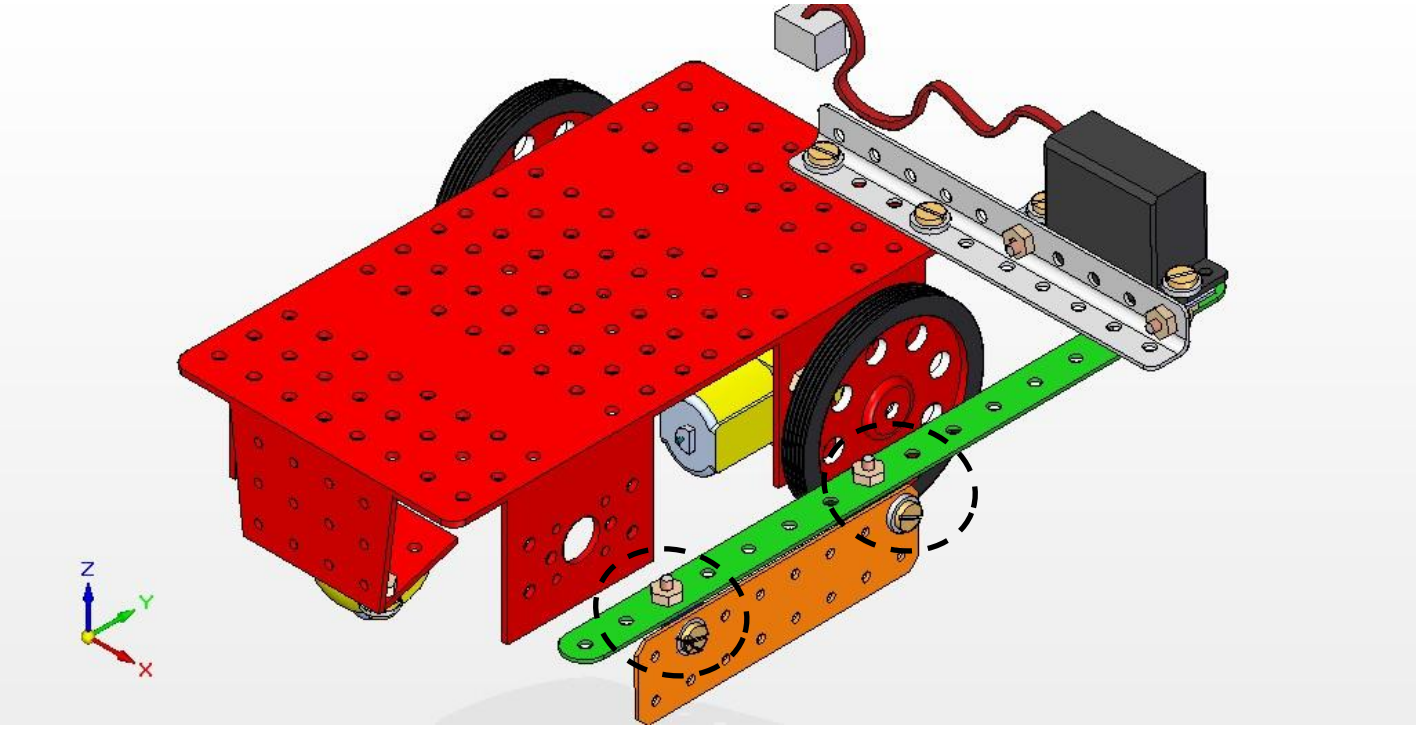
Step 7: Take two LC1*1 connector to the FB16 with the help of M3S screws as shown in the figure.



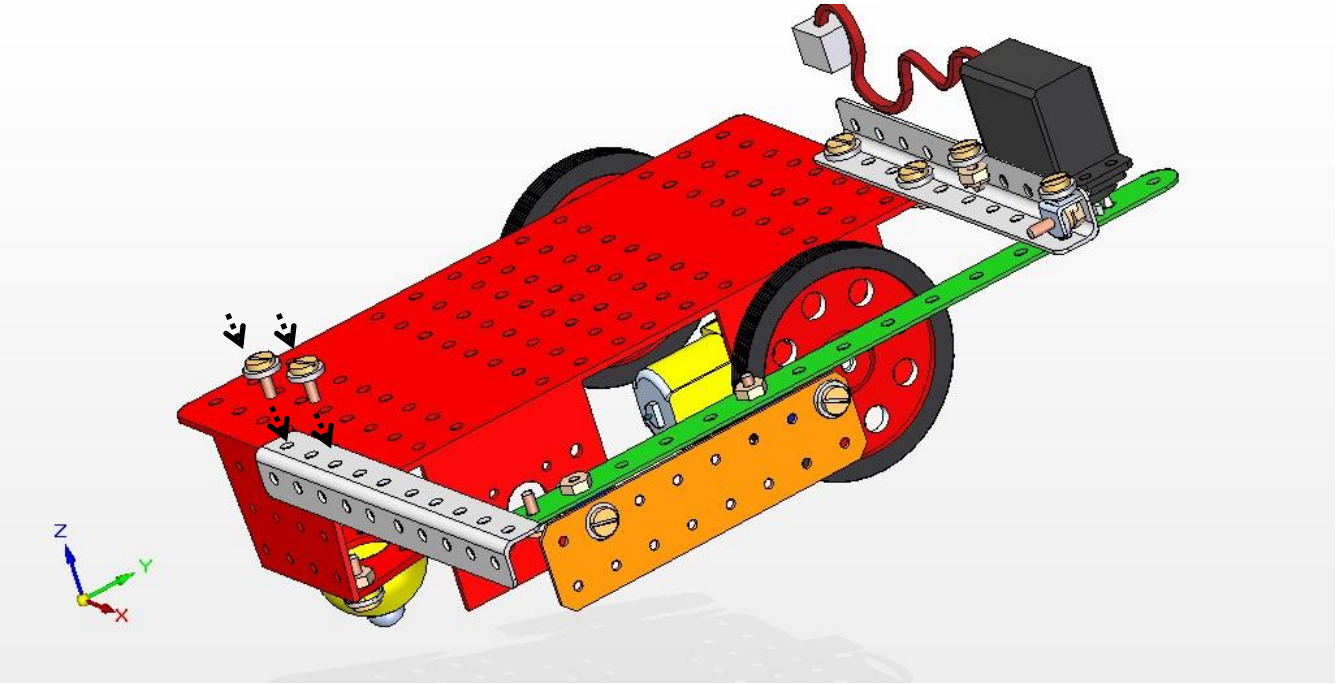


Step 8: Take DB8 beam and connect to the LC1*1 connector with the help of M3S screws as shown in the figure.

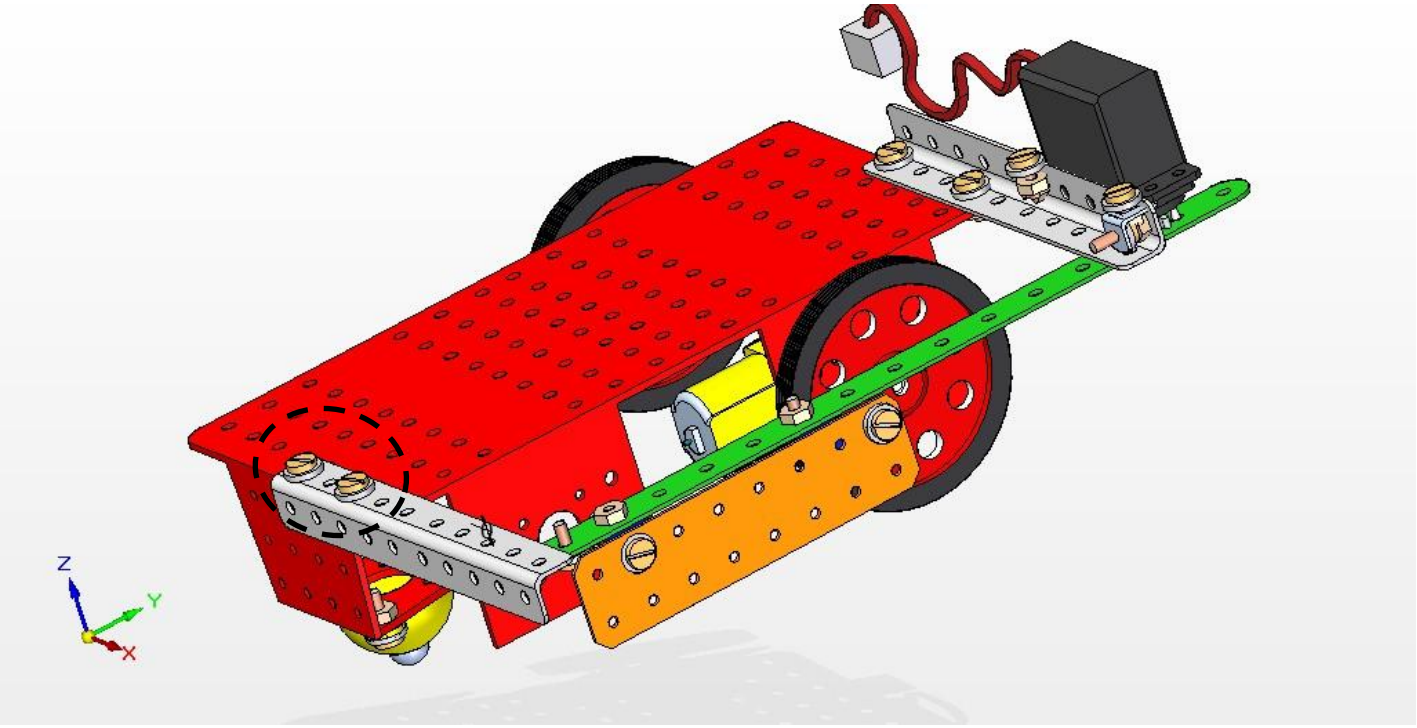




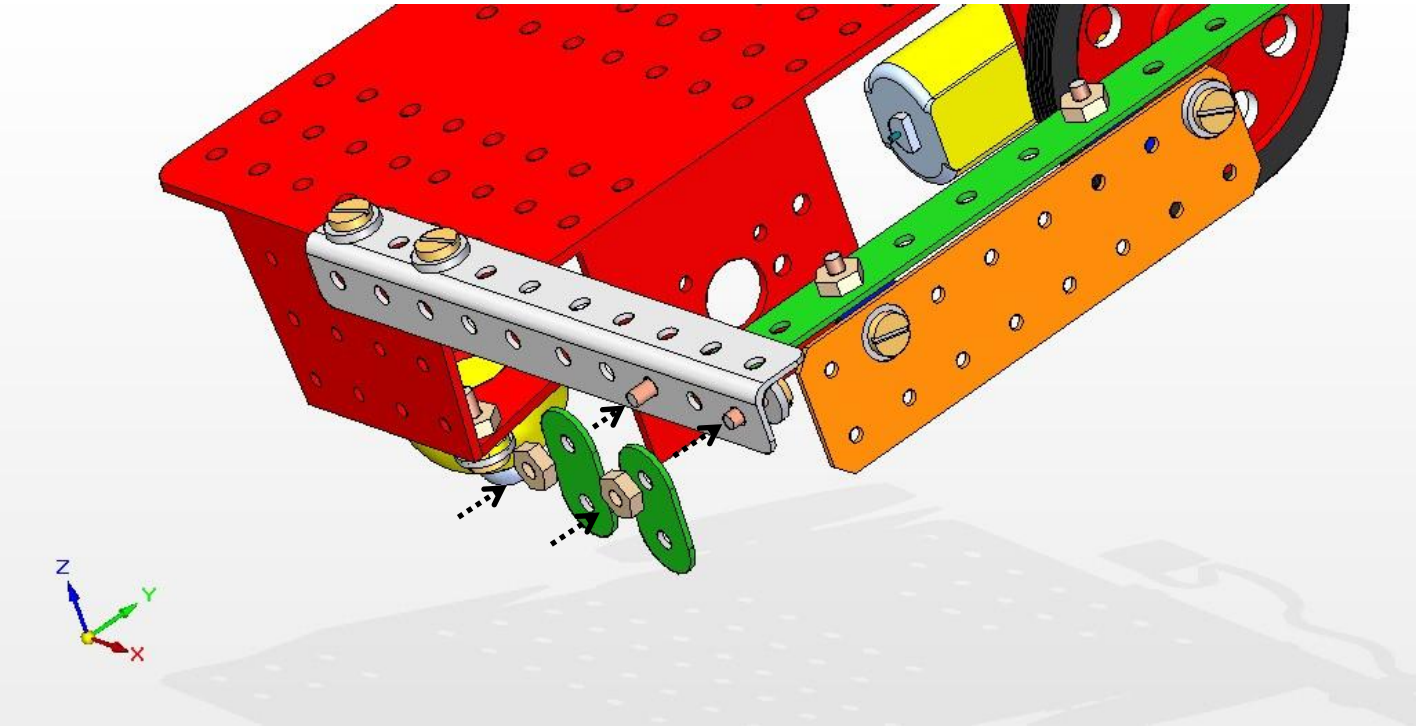
Step 9: Take one LS10 and connect to the Chassis with the help of Two M3S screws as show in the figure.

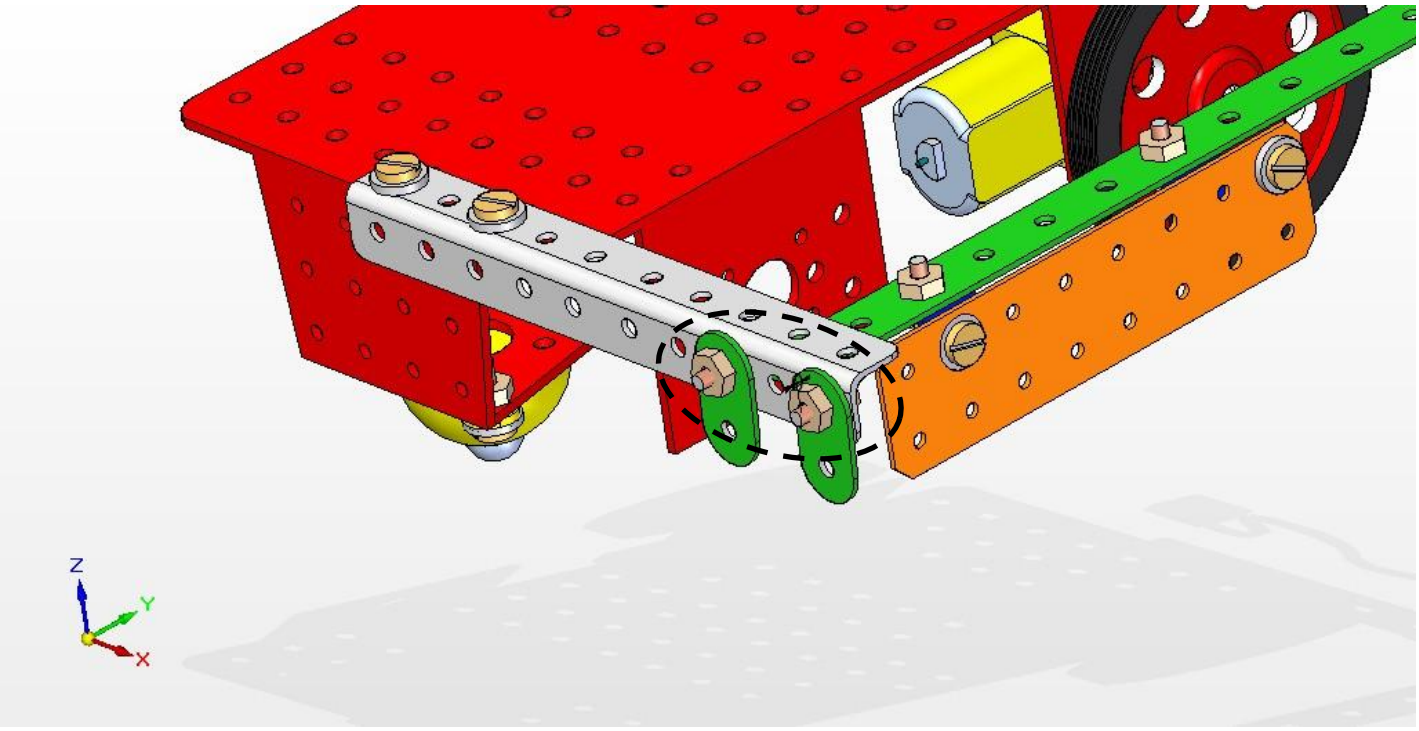


Note: See the LS10 strip should not touch the FB16 beam (green component shown in the image).

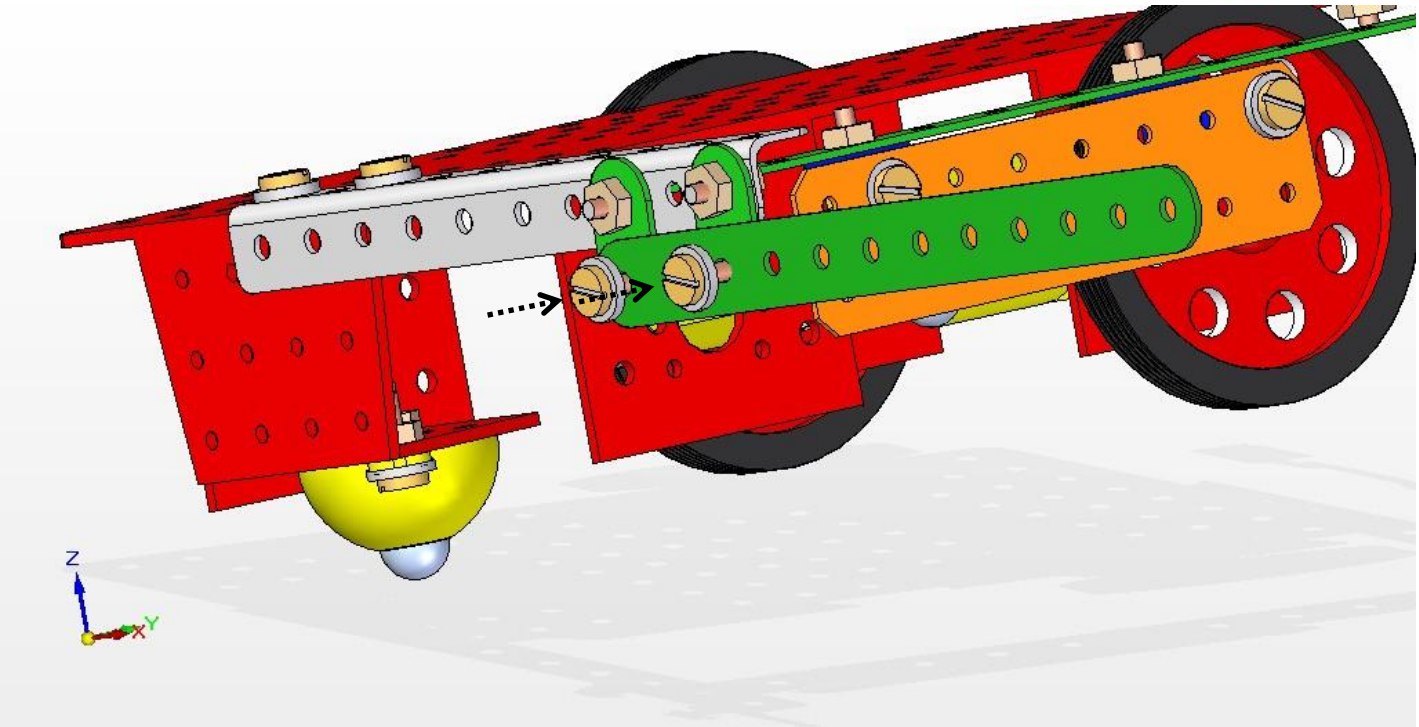


Step 10: Take two FB2 beam and connect to the LS10 with the help of M3S screws as shown in the figure.

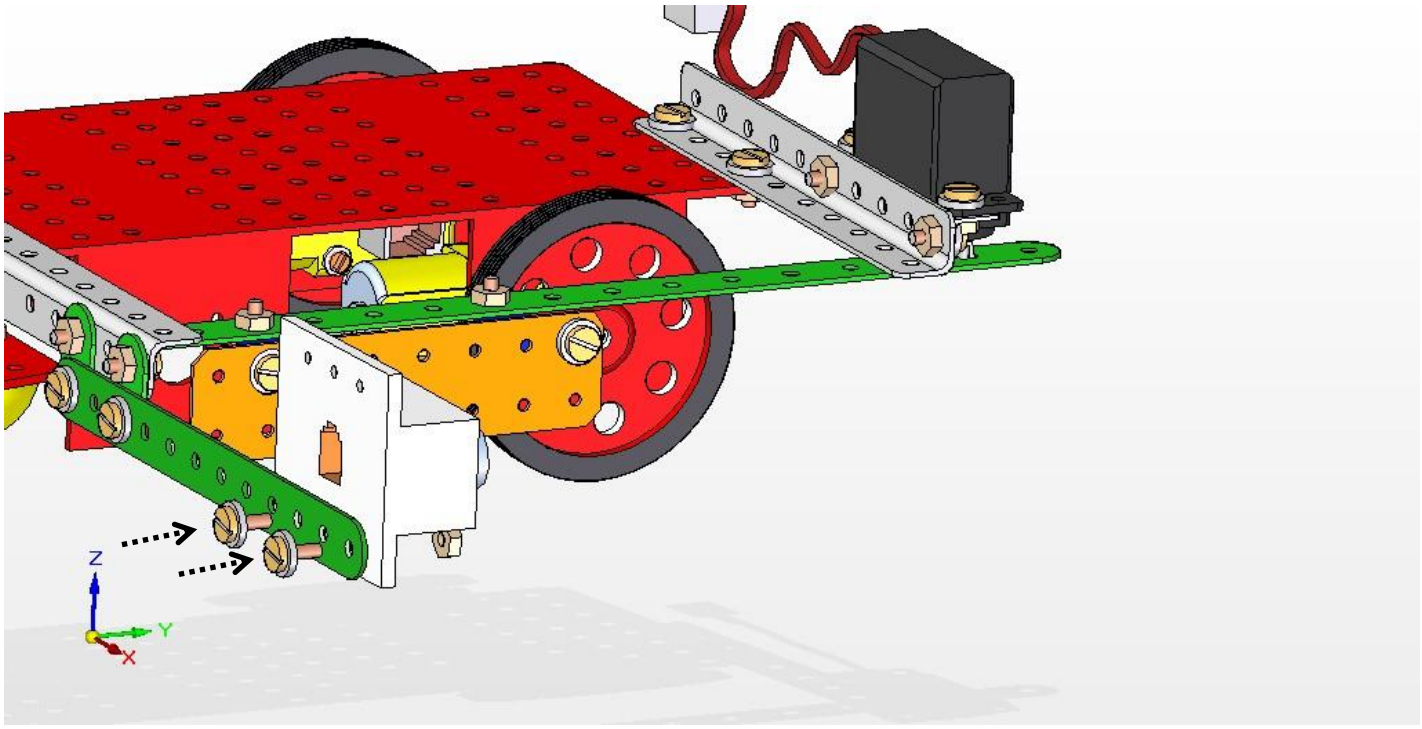


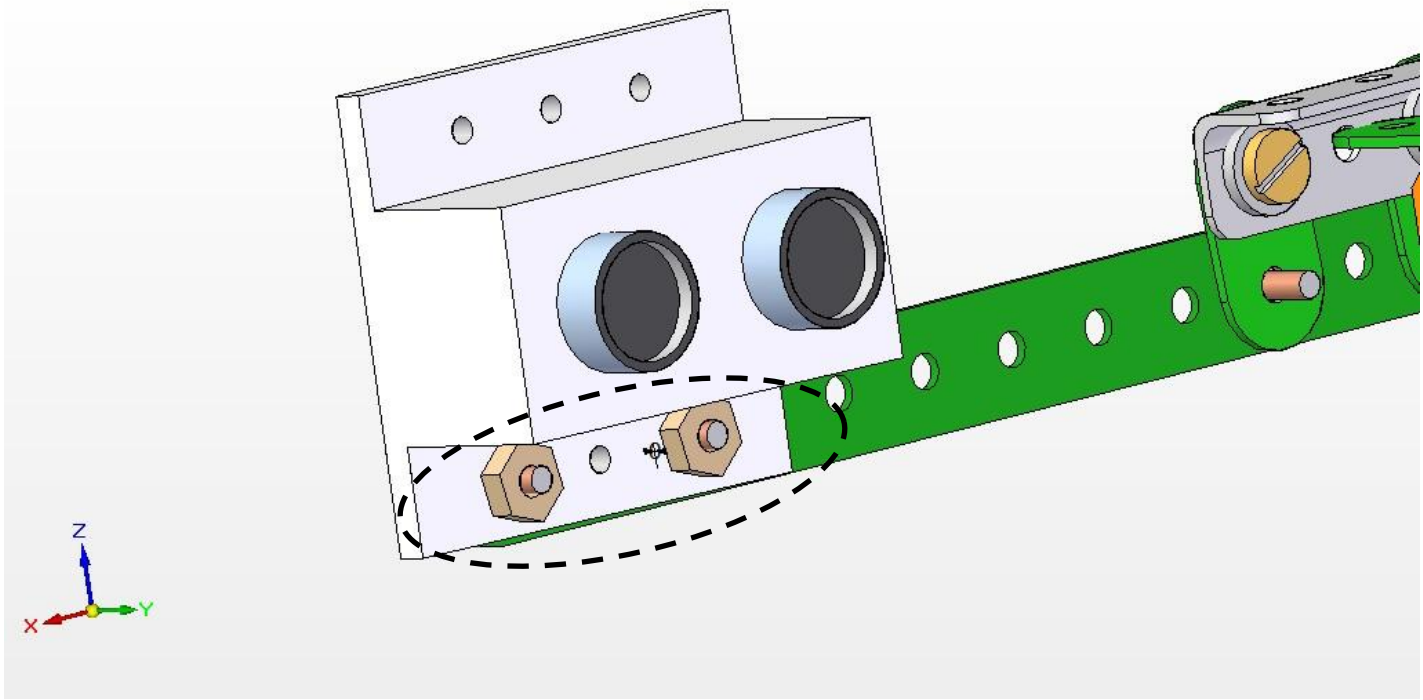


Step 11: Take one FB12 beam and connect to the FB2 beamwith the help of two M3S screws as shown in the figure.



Step 12: Take one Ultrasonic sensor and connect to the FB12 beam as shown in the figure.





Step 13: Complete Model View is shown below. Connect the cables to the respective ports of the Novabot.