Spin Art

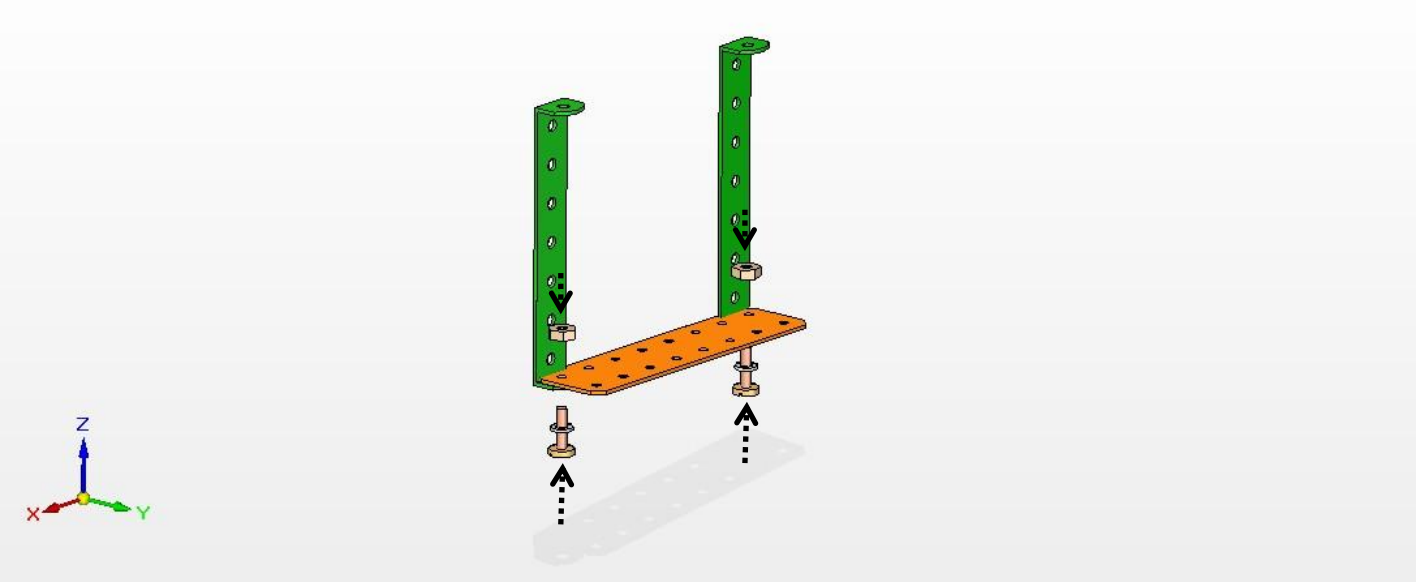
A fast spinning motor is used to spin paper circles on a flat surface where you can use pens to create your own "spin art" creations. The program allows you to adjust the motor speed from very slow to very fast to create and see your art at different speeds.

Learning Concepts:

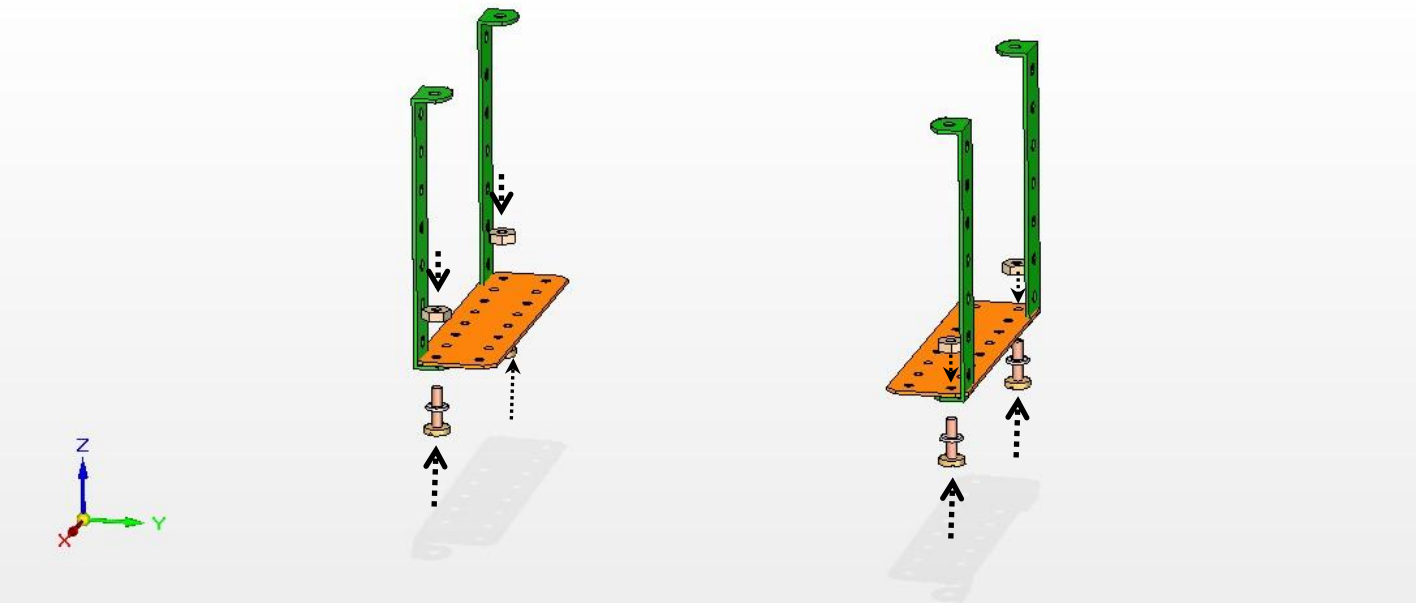
- Gear Mechanism.
- Velocity.
- Centrifugal force.
- Making a Simple Art.

Constructions:

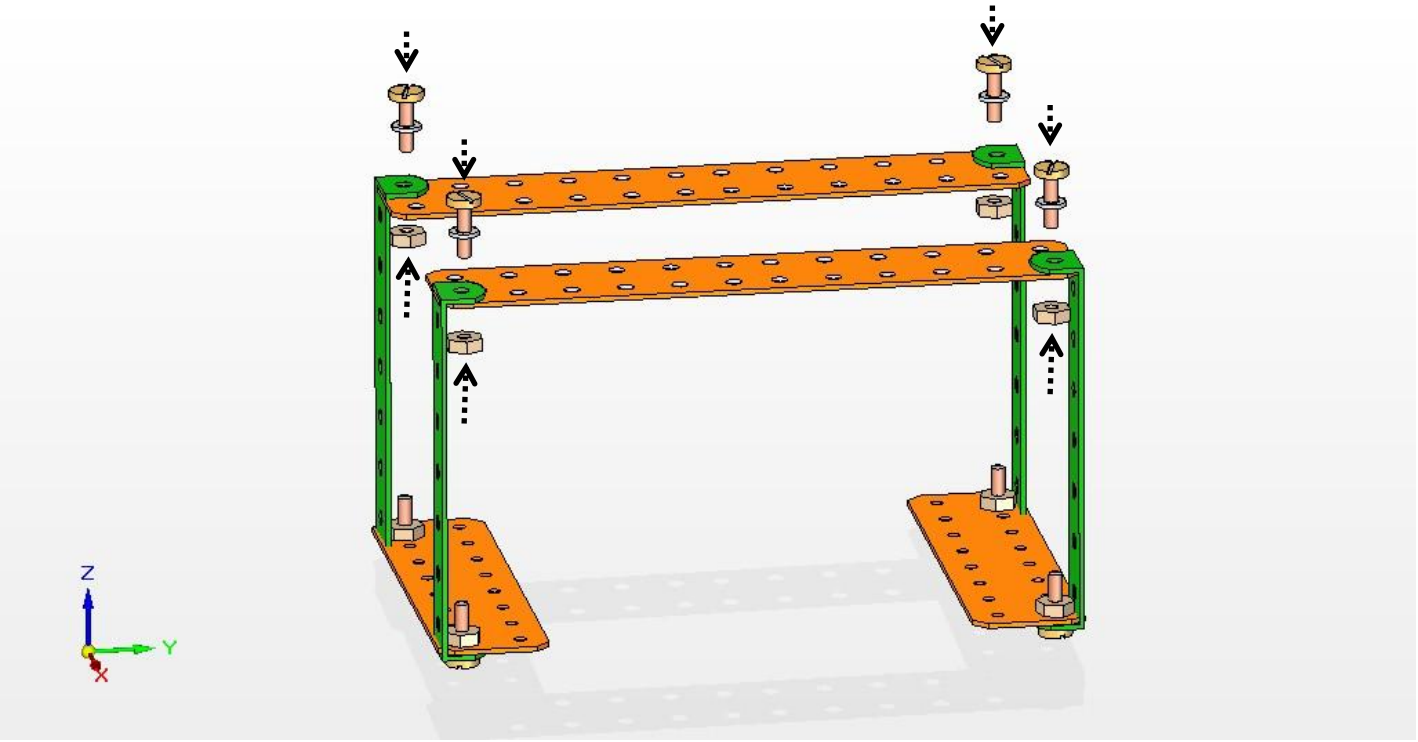
Step 1: Take two UC7*1*1 connectors, one DB8 beam and connect with the help of two M3S screws as shown in the figure.

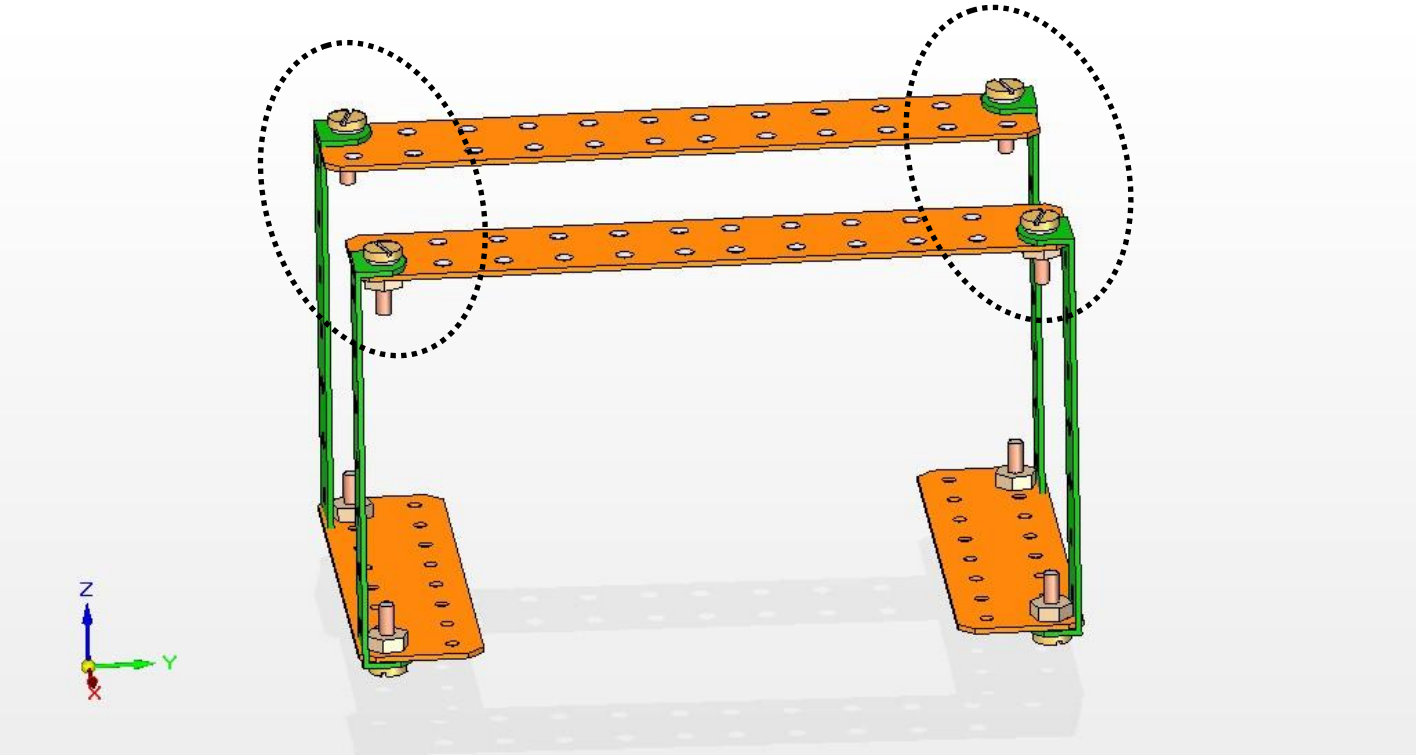


Step 2: Connect DB8 beam to two UC7*1*1 connectors as show in the figure.

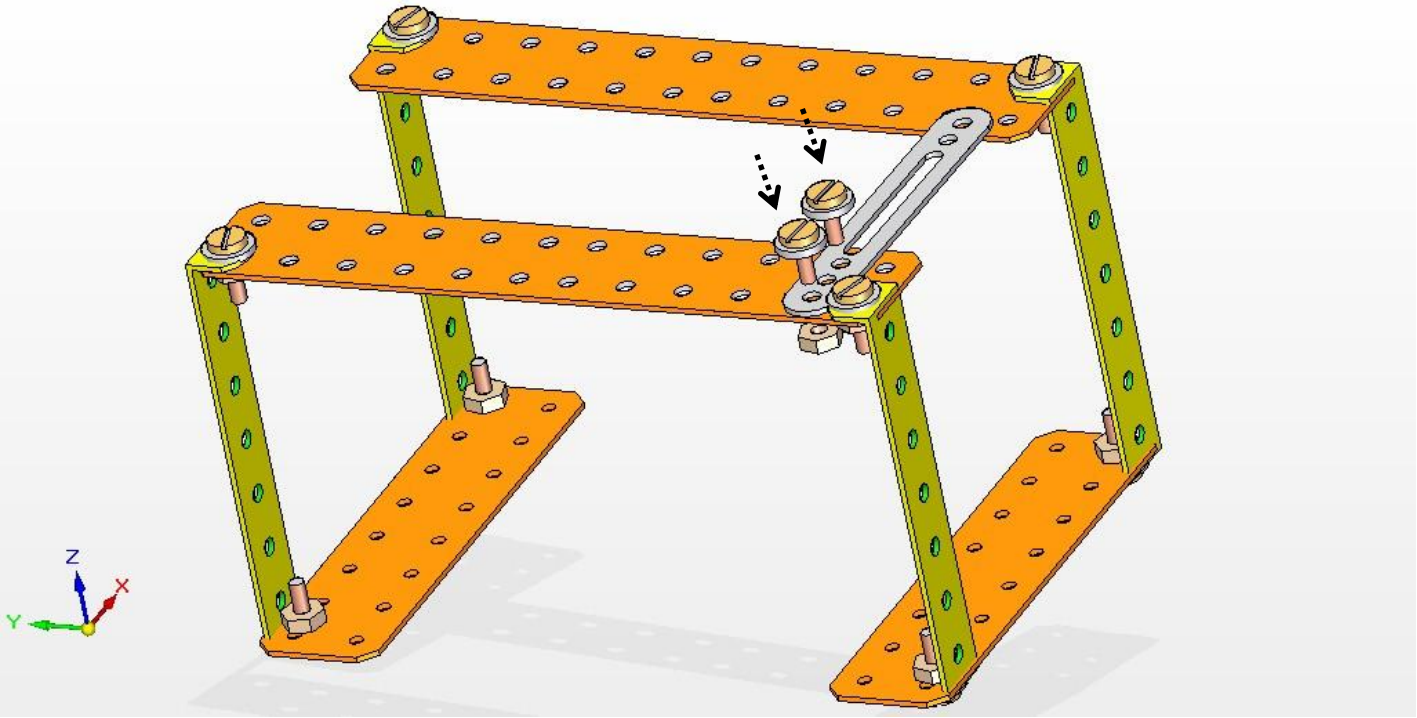


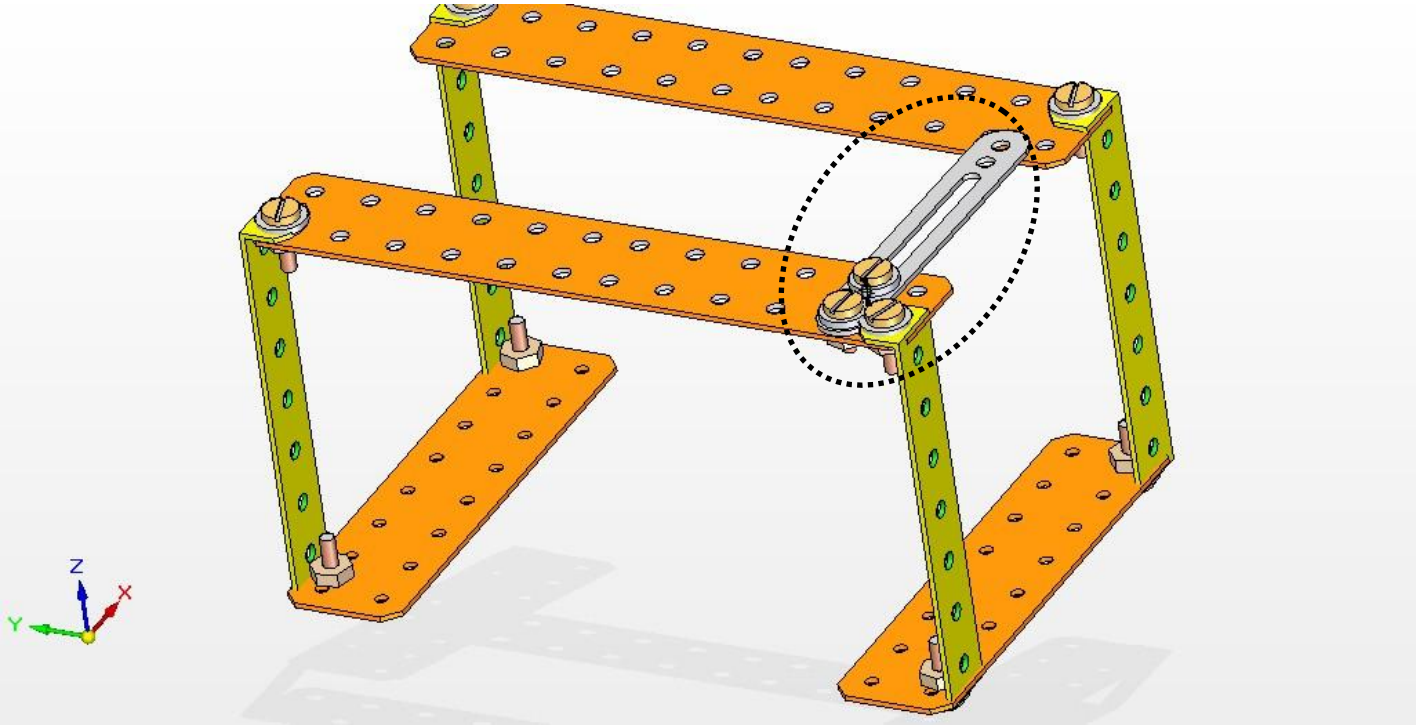
Step 3: Take DB12 and connect to the top of the UC7*1*1 connectors



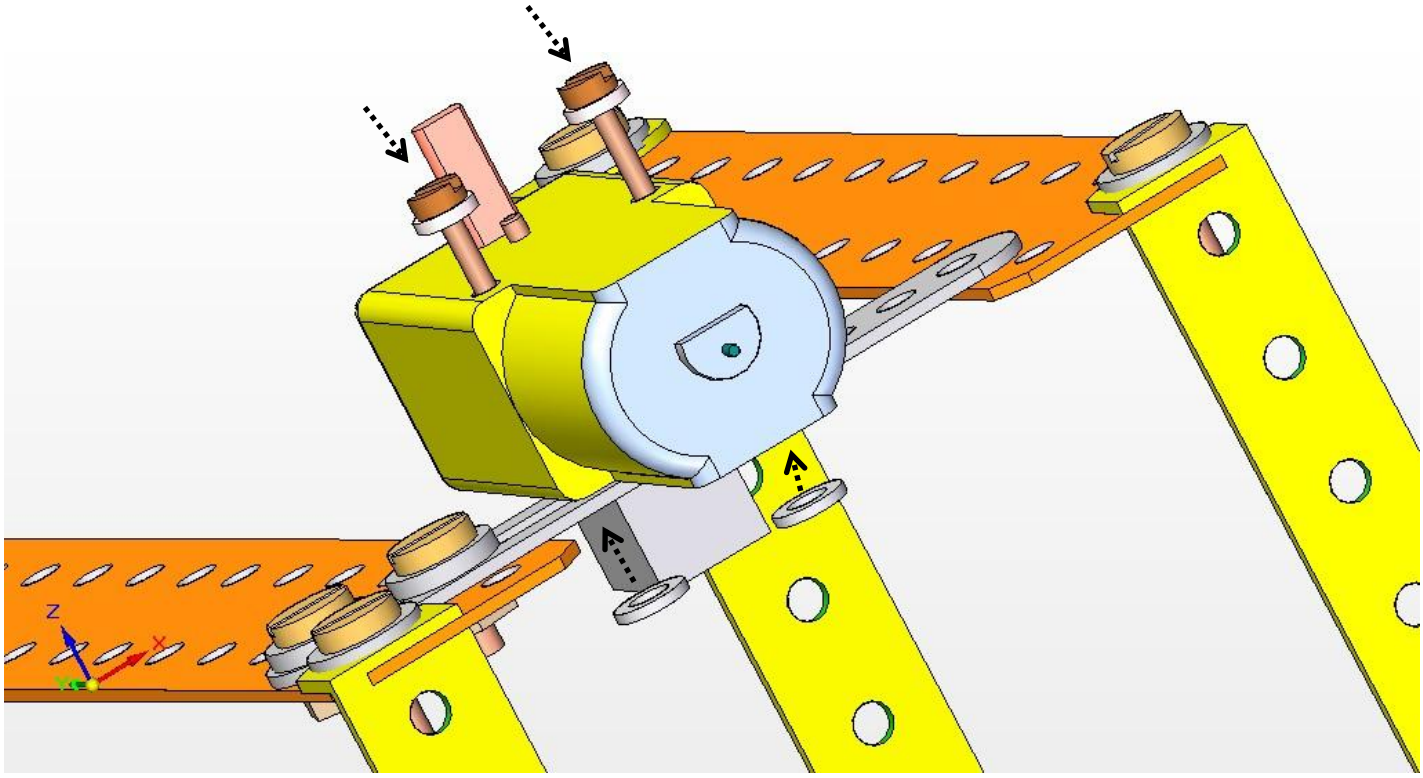

Z
Y
X

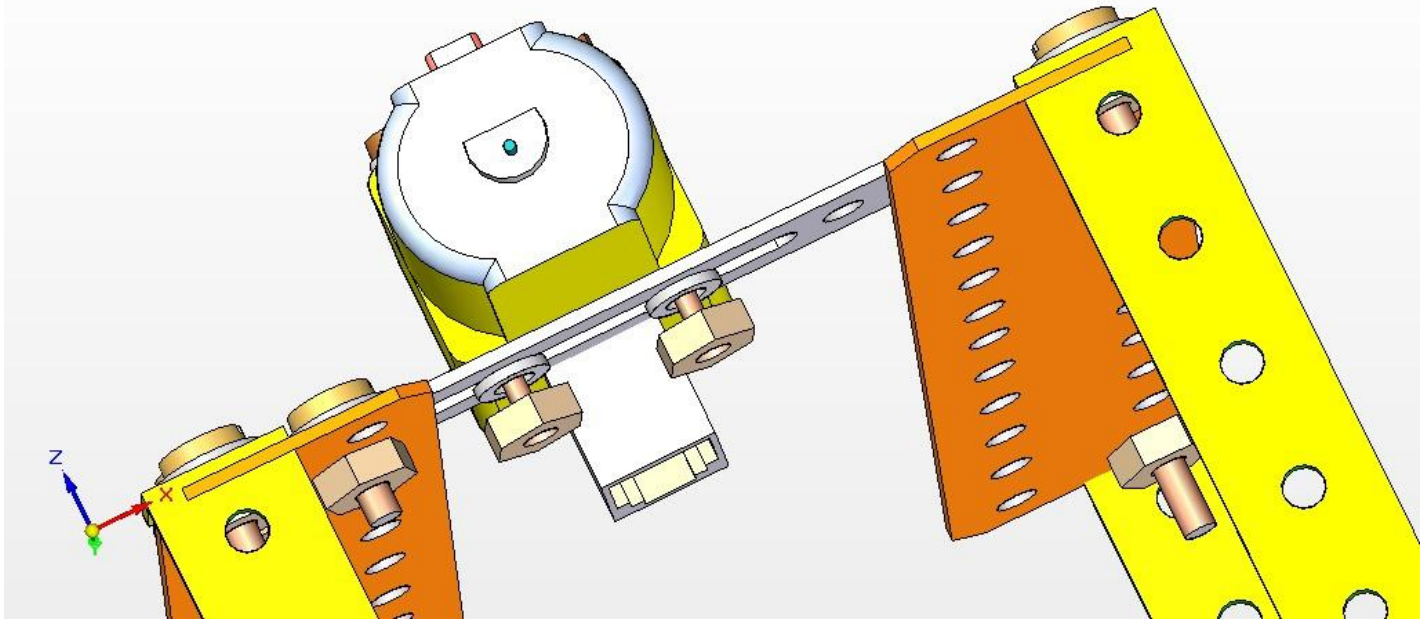
Step 4: Take one universal strip connect it as shown in the figure.

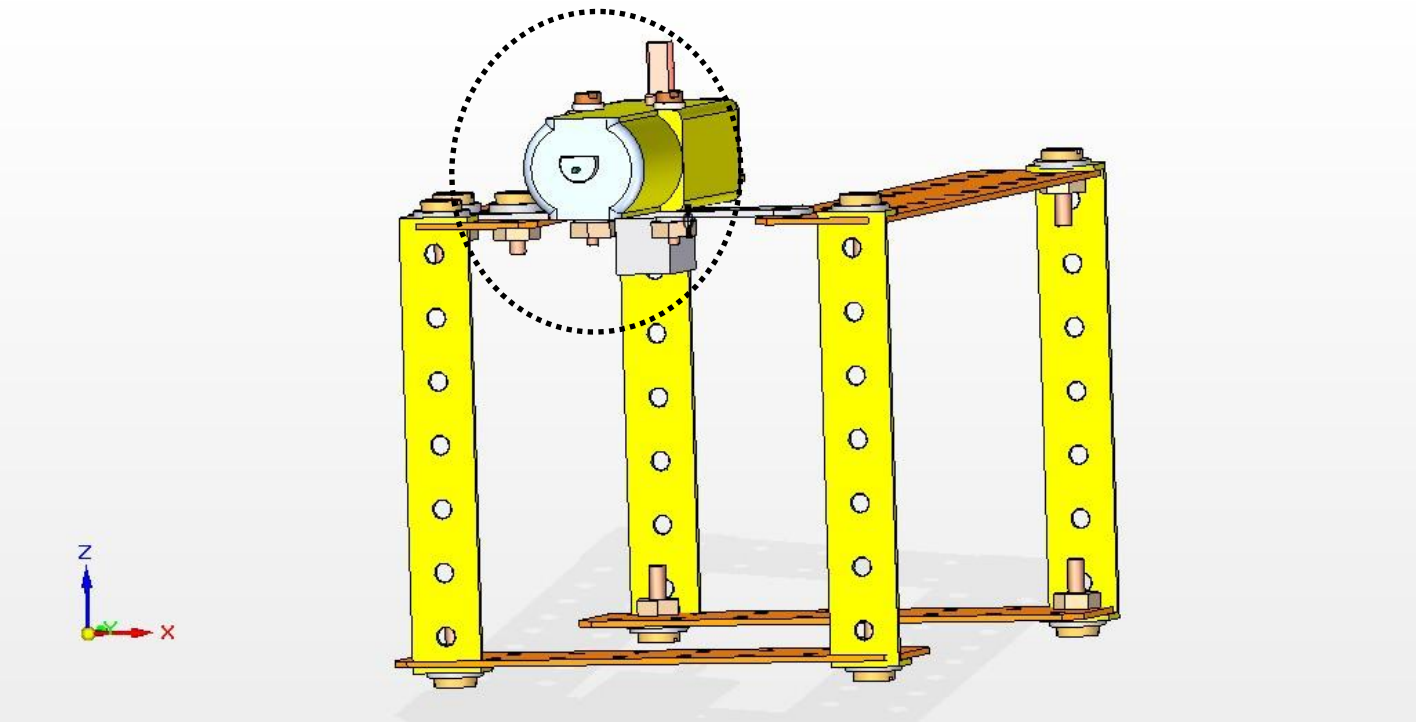




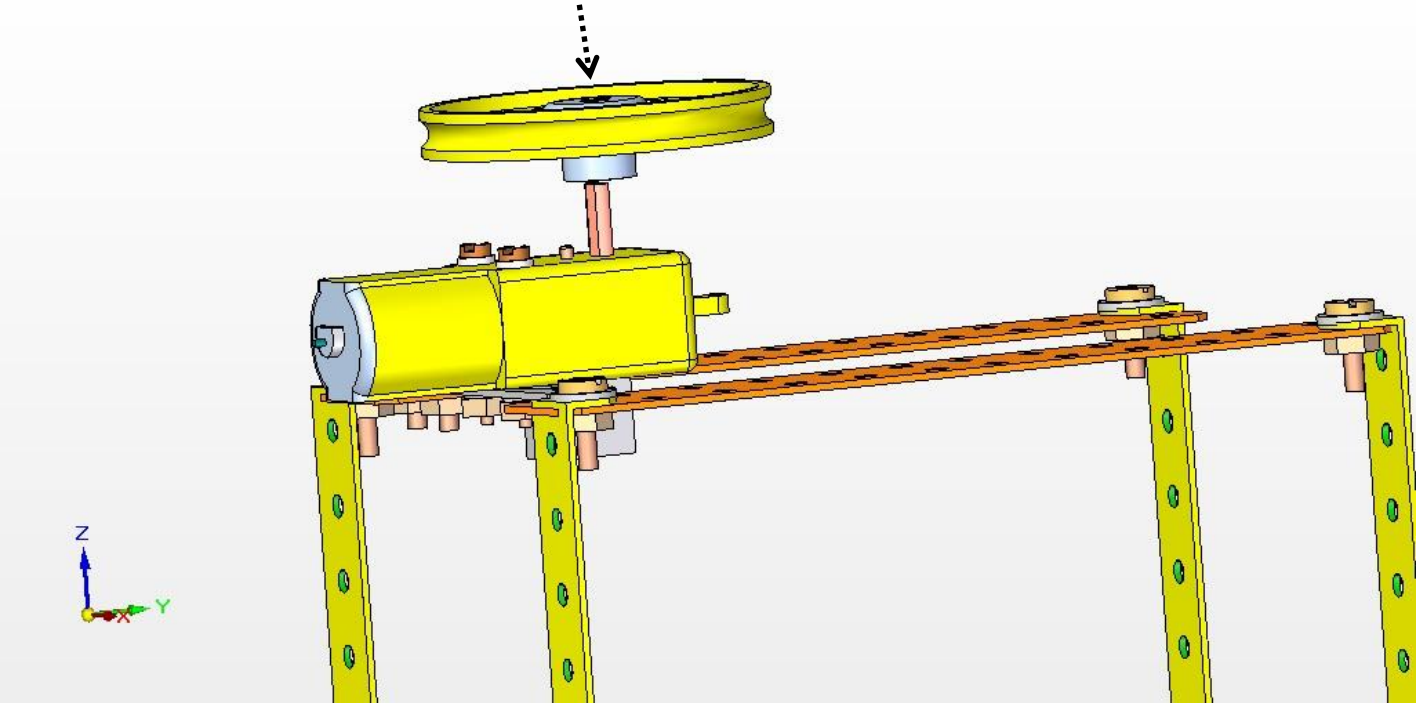
Step 5: Take one DC motor connect on the top of the universal strip with the help of two M3L screws.



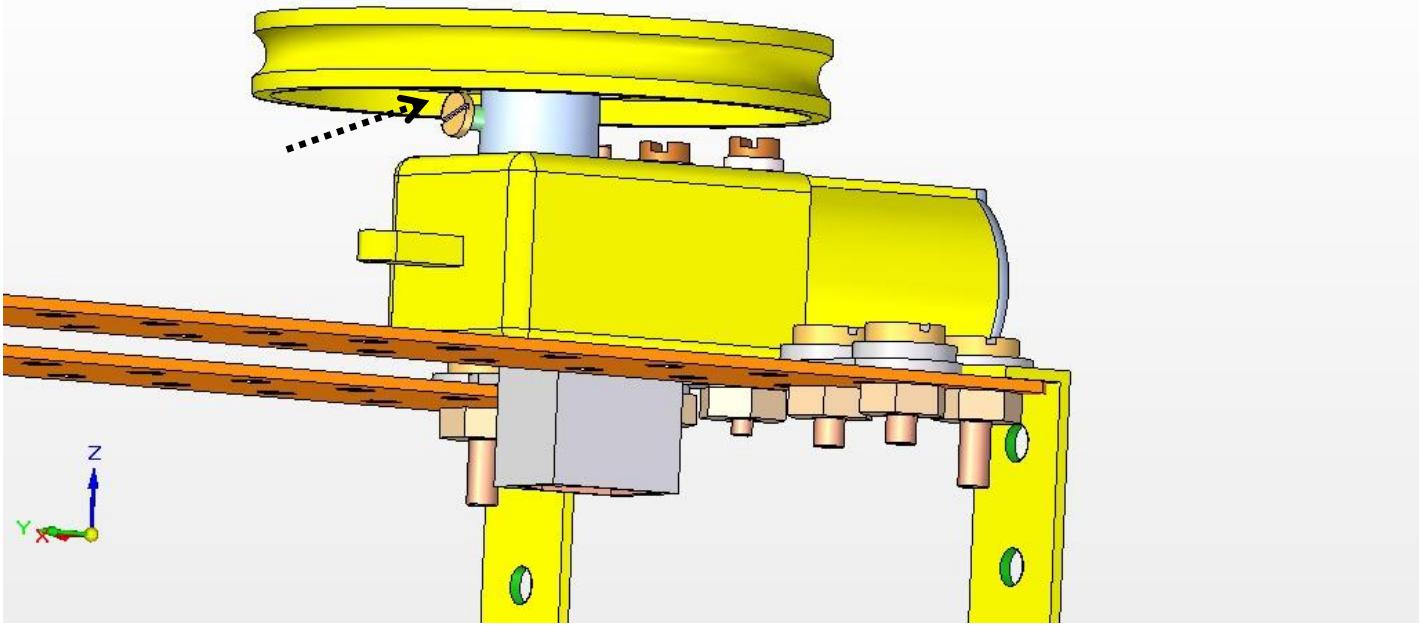



Z
X

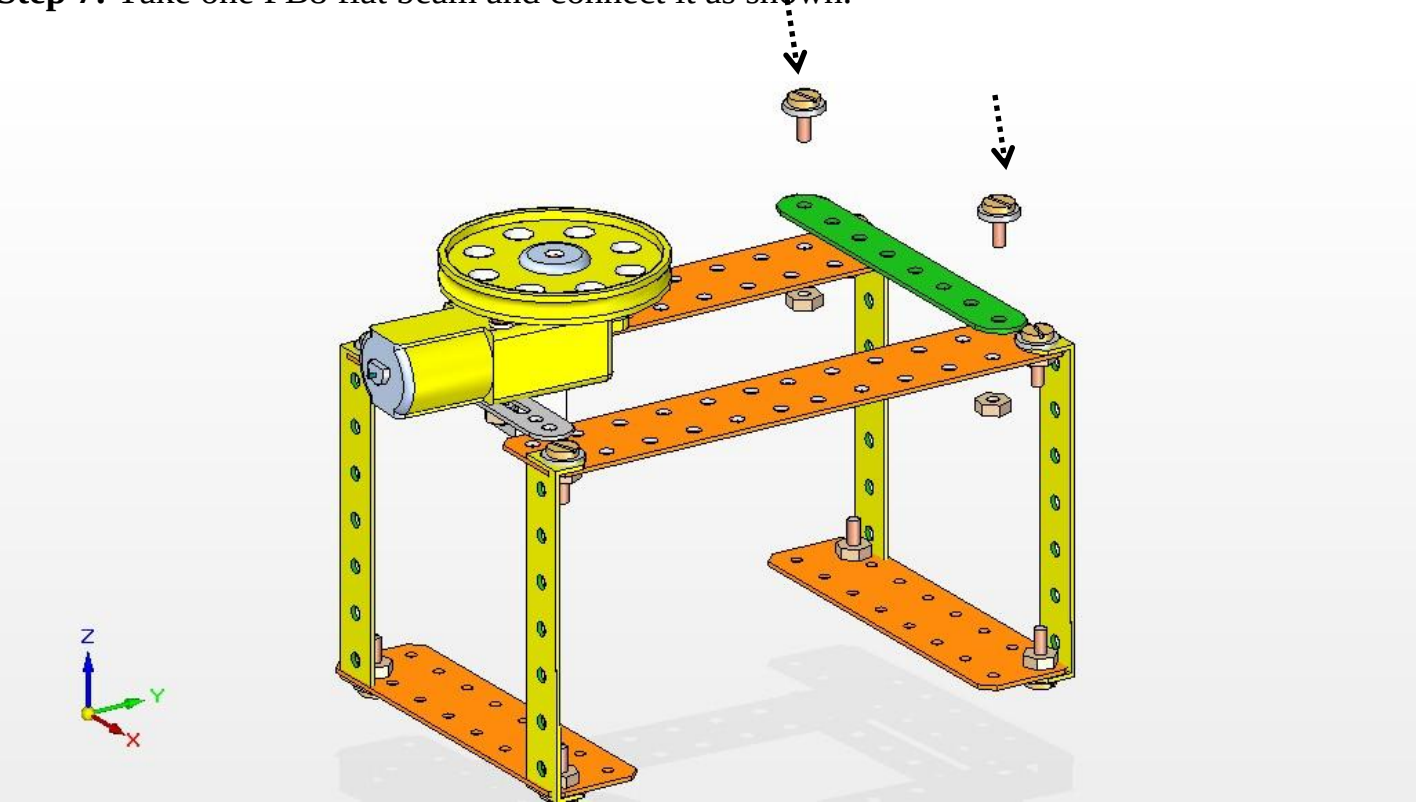
Step 6: Connect the big pulley to the axle of the motor as shown in the figure.

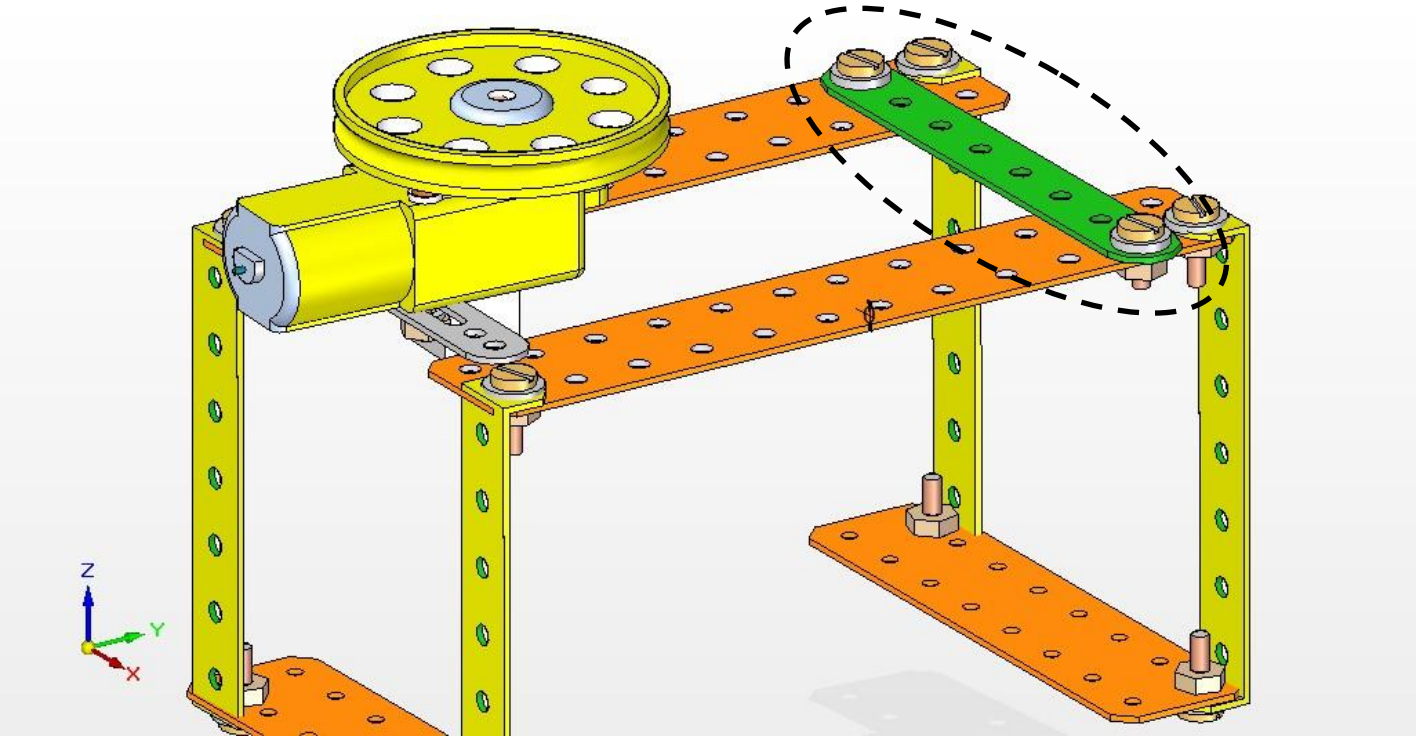


Note: Screw it with the help of screw to tighten the pulley to motor axle.

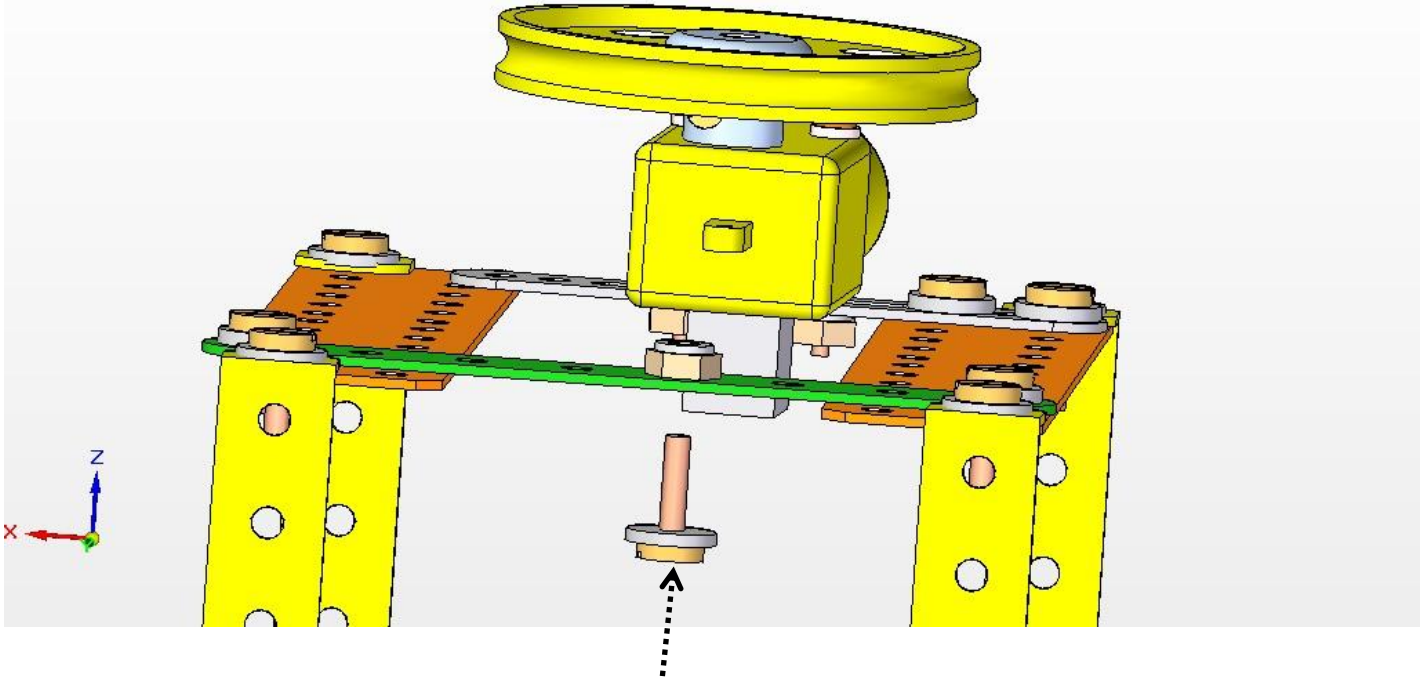


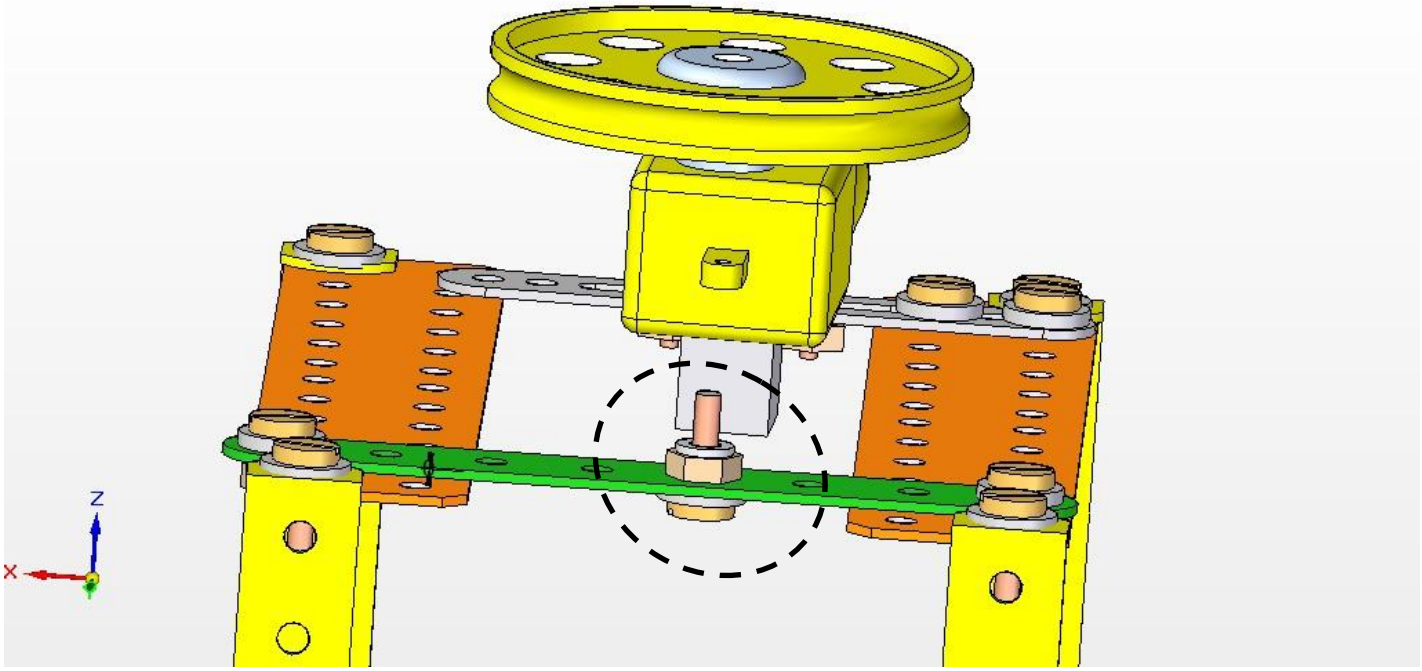
Step 7: Take one FB8 flat beam and connect it as shown.



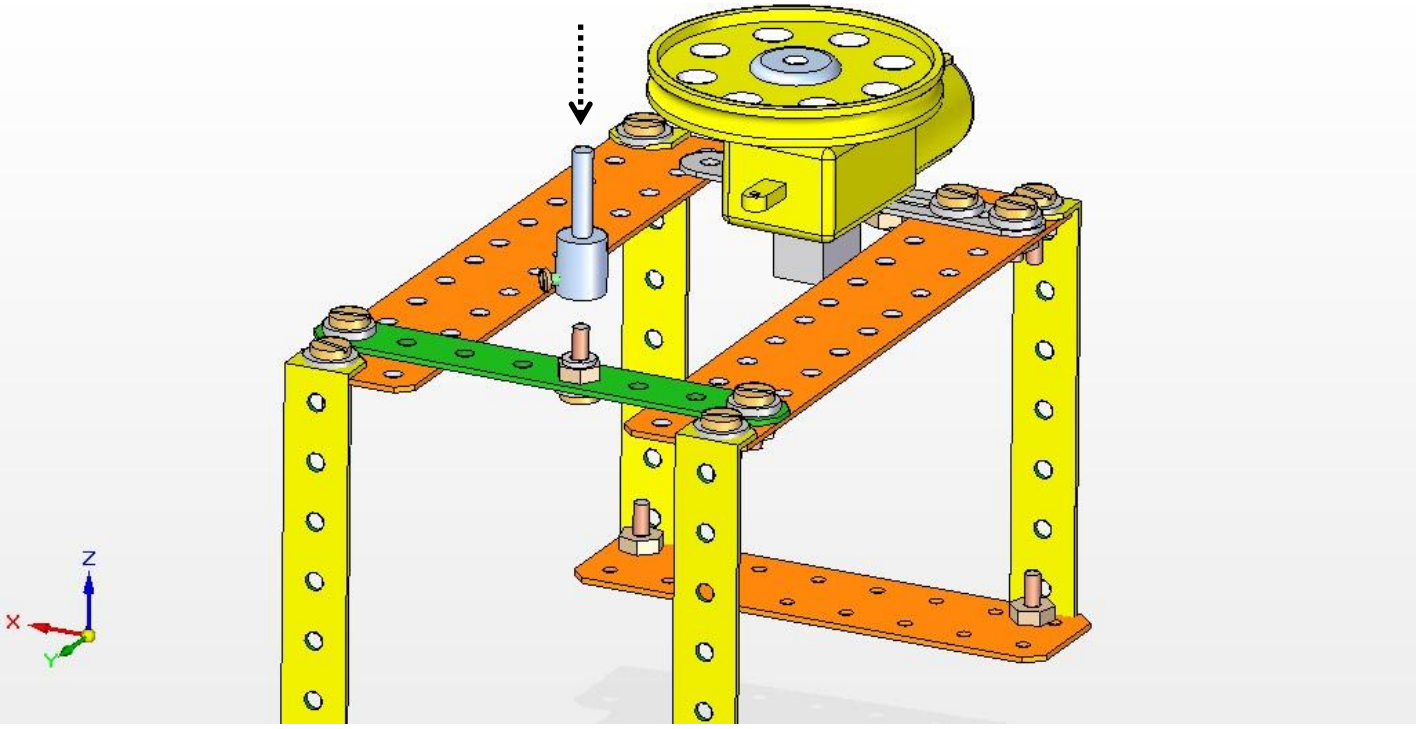


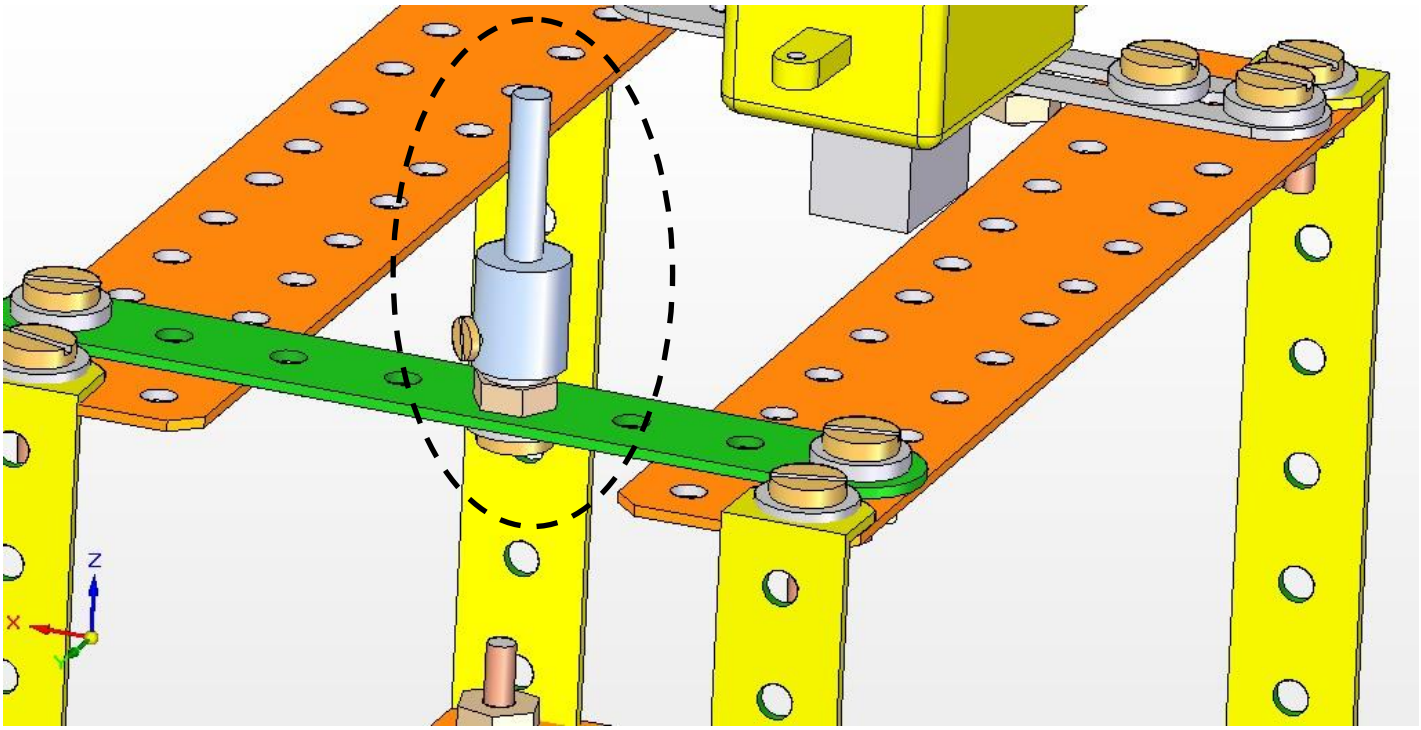
Step 8: Insert one M3M Screw into any hole of FB8 flat beam and fix it shown.



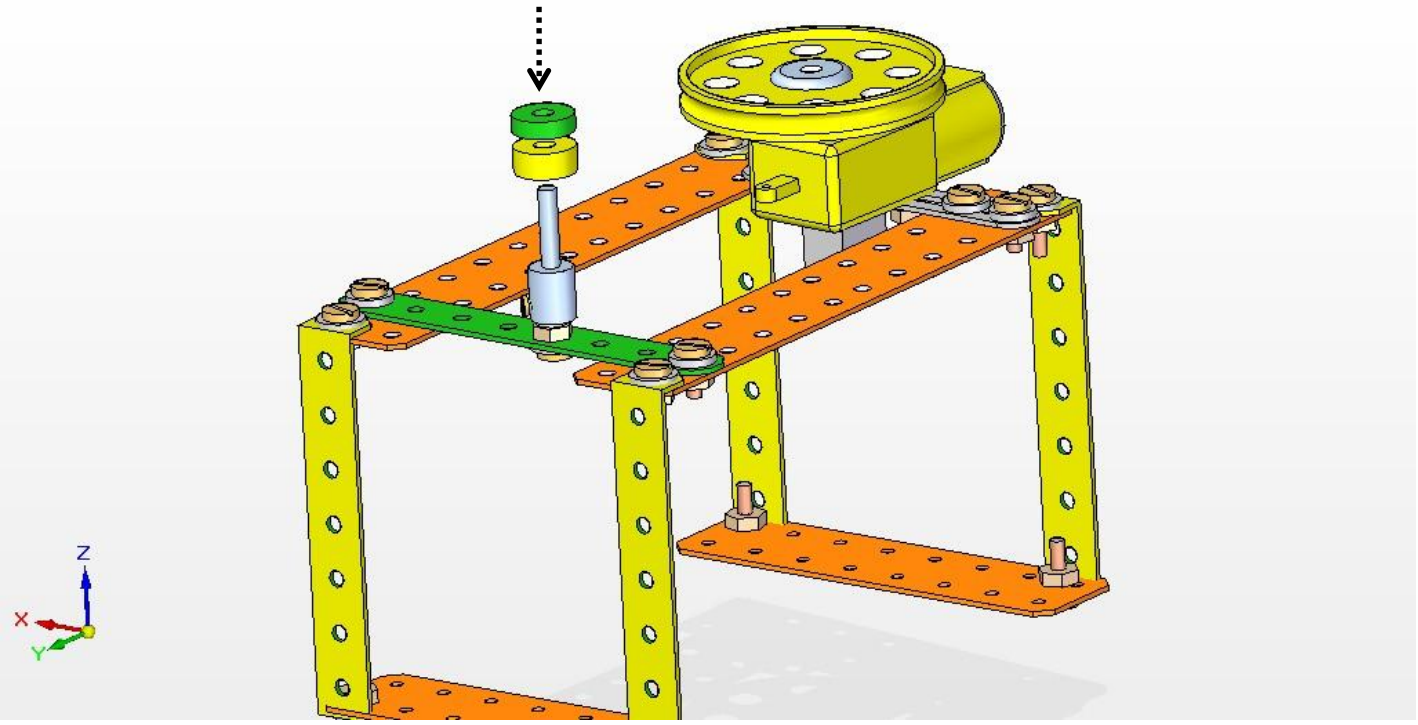


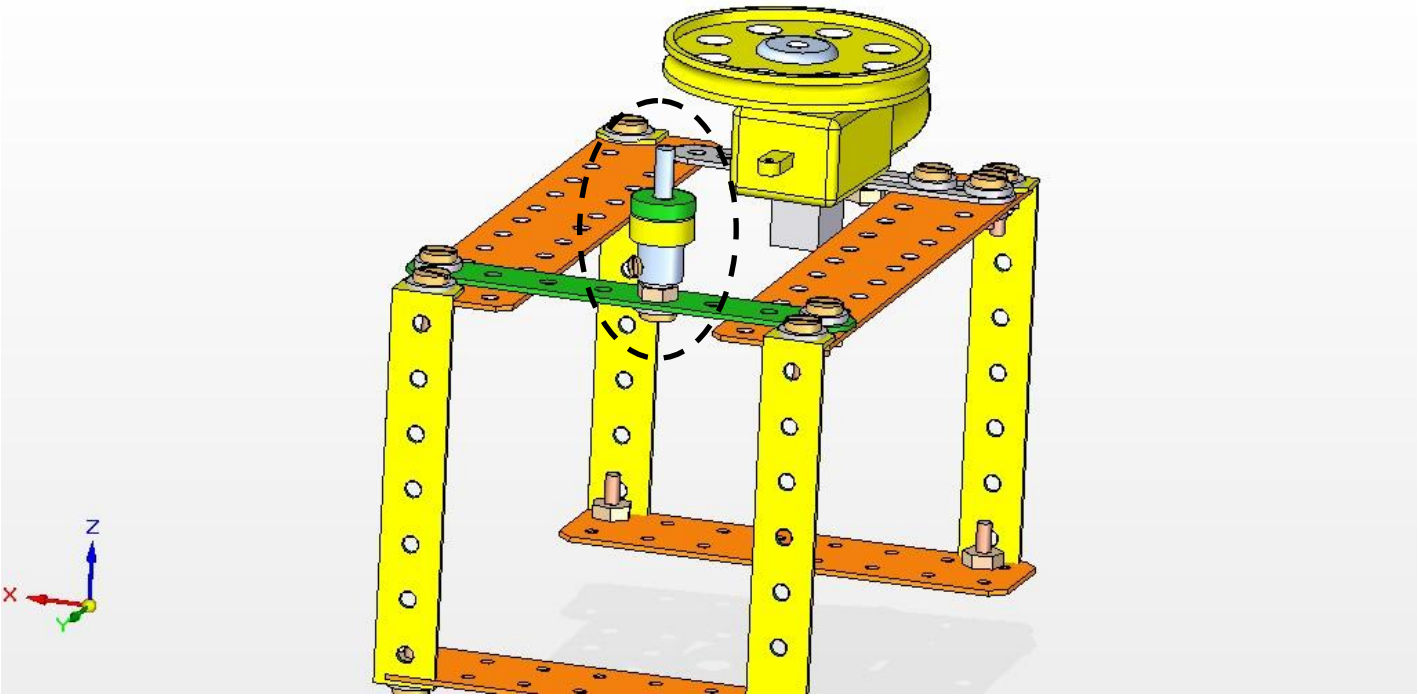
Step 9: Insert the Male coupler in to the screw and tight it as shown.



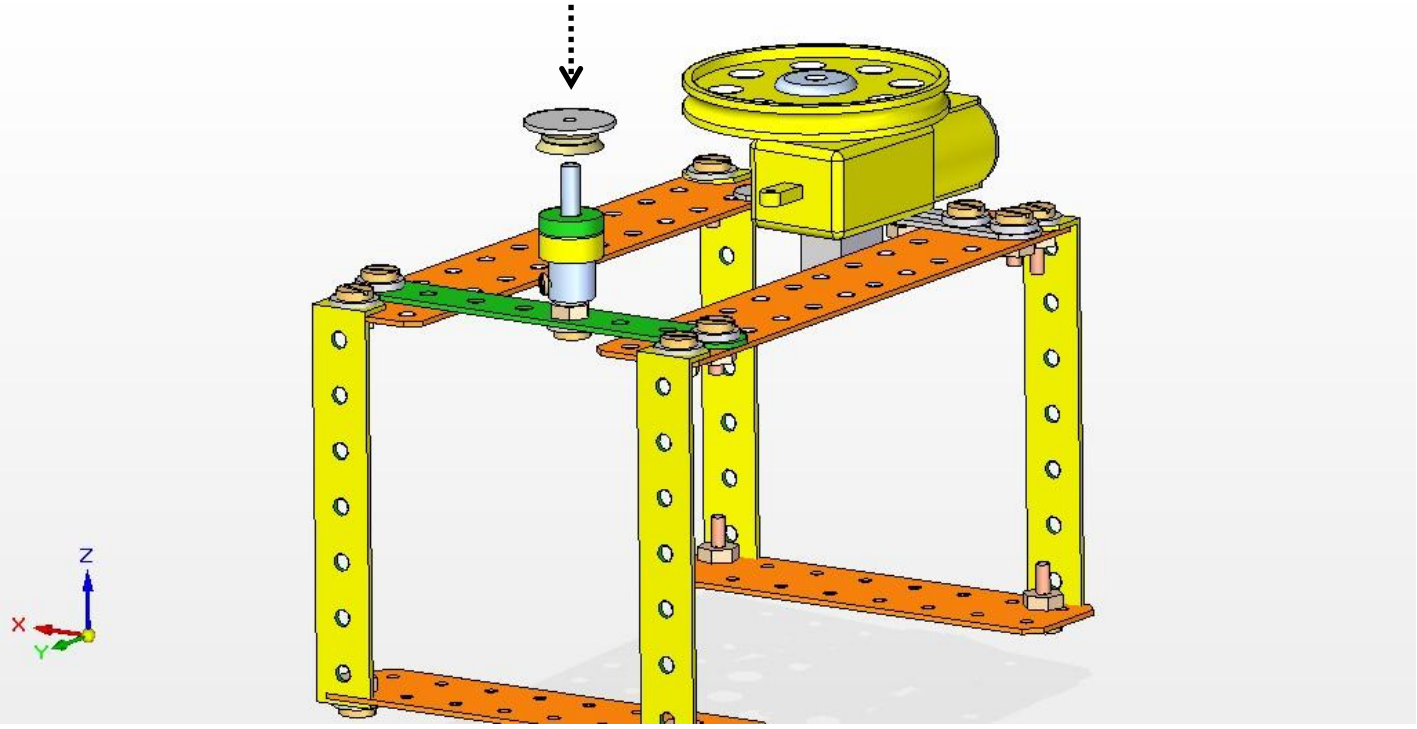


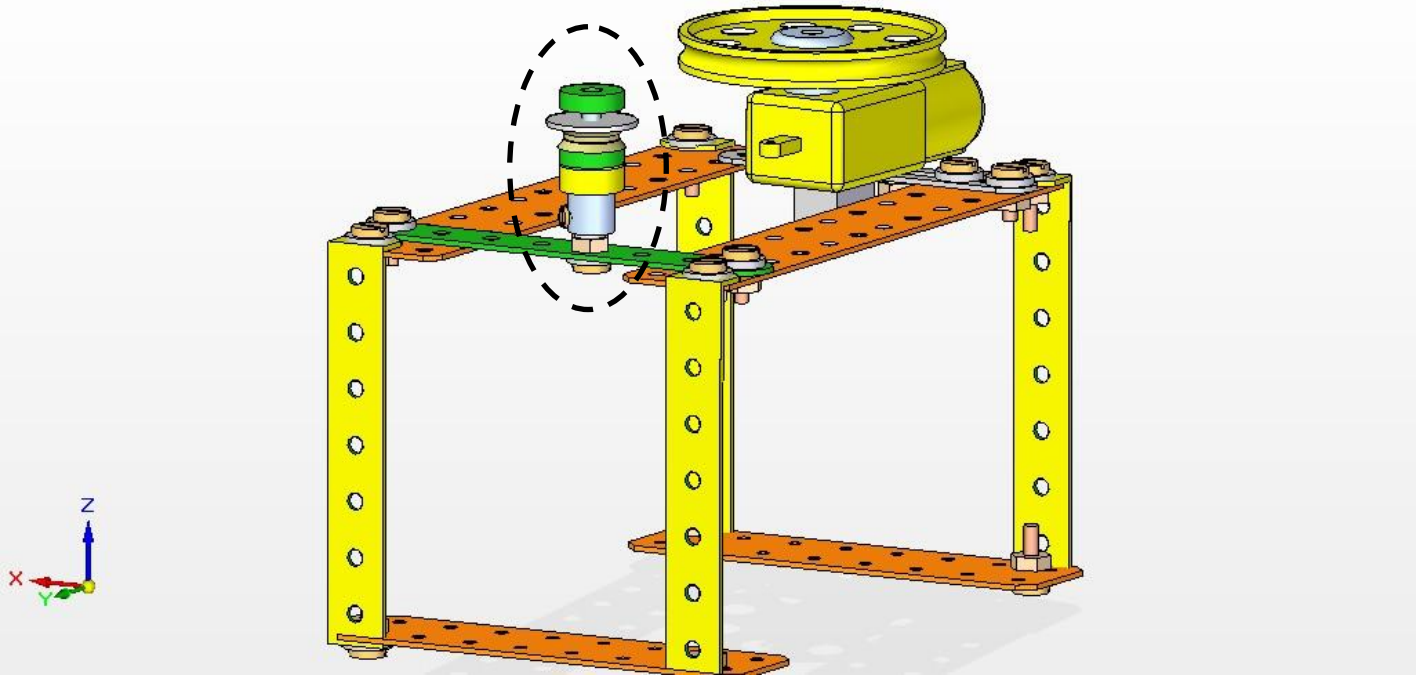
Step 10: Insert the two rubber bushes into the coupler.





Step 11: And now insert the small pulley after the rubber bush.





Step 12: Now place the NovaBot as shown and connect the DC motor to the respective port of the Bot.