The City School

North Nazimabad Boys Campus

ICT Blog Worksheet

**STEPS OF ASSEMBLING ROBOT:**

Mounting the DC Motors on side planks:

DC Motors should be mounted in such a way that the terminals of DC Motors doesn’t get in contact with the acrylic plank.

Mounting the Wheels on DC Motors:

Make sure to mount on the side on which the logo of TechTree is embossed on side plank.

Mounting the Caster Wheel:

Caster wheel provide easy rolling movement of the robotic car while turning right or left and moving back and forth.

Placing the Battery Pack:

Battery Pack will be placed on the bottom chassis with the help of the clip.

Mounting the Servo Motor:

Servo motor will be mounted on the top chassis.

Installing SONAR on Servo Motor:

Sonar sensor will be mounted on the servo motor with the help of acrylic sonar holder.

Stacking the Pi Shield on Raspberry Pi:

This is a modular circuit board which is stackable and capable of driving Bumble Pi in a very smart way.

Mounting the Pi and Shield on Chassis:

Raspberry Pi and Pi Shield will be mounted on the top chassis with the help of 25mm screws.

Complete the Chassis:

Side planks will go into the rectangular slot, attach the bottom and top chassis plate.