Task 3.3 - Construction and Control

This task consists of constructing explorer bot according to your design solution in Task 2. In this task you also have to write code for move Explorer Bot in forward/backward using tele_top_key node (keyboard node)

Problem Statement:

Construct an Explorer Bot which can be interfaced with ROS and controlled by tele_top node. Robot must able to move forward/backward without any human intervention.

Exact movement of explorer arena will be reflected in RViz.

Dimension of robot: Explorer bot should be under the following dimensions.
Length: Maximum 1 ft.
Breath: Maximum 1 ft.
Height: Maximum 1 ft.
You can also design Explorer Bot in **circular dimension** as per your requirement.

Submission:

1. Video Submission

Use Start of the Explorer Bot Arena for this task. Shoot the video for the solution of above problem statement and show the output in RViz. Follow the instructions in portal for submitting youtube video link.

2. Code submission

Create the Arduino project named *explorer bot* for solution of above problem statement. Put the *explorer bot* project folder in *Task 3* folder. Now follow instructions in *Task3_Read_me.pdf* for submission.