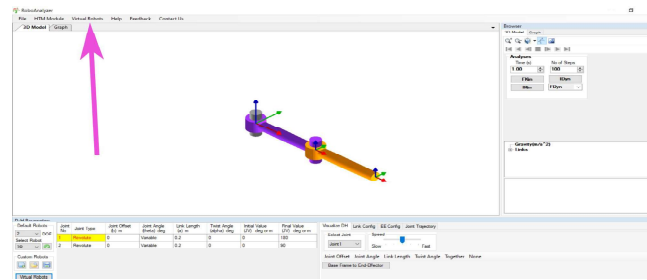


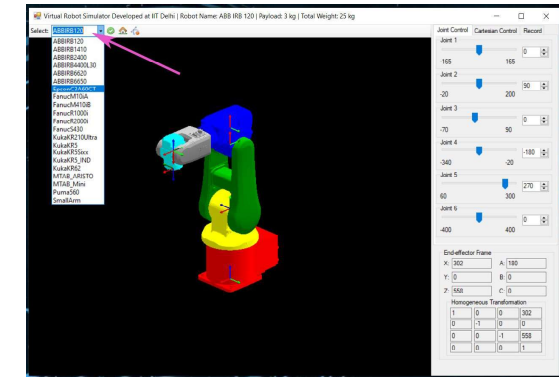
ROC 2020 - TEAM 2

We certify that this project was undertaken by us for the "Roboanalyzer-based online competition (ROC)" conducted by Dr. Nayan M. Kakoty of Tezpur University in collaboration with Prof. S.K Saha of IIT Delhi and Mr. Rajeevlochan C.G. of Amrita Vishwa Vidyapeetham, Bengaluru Campus during October 12, 2020, to November 30, 2020"

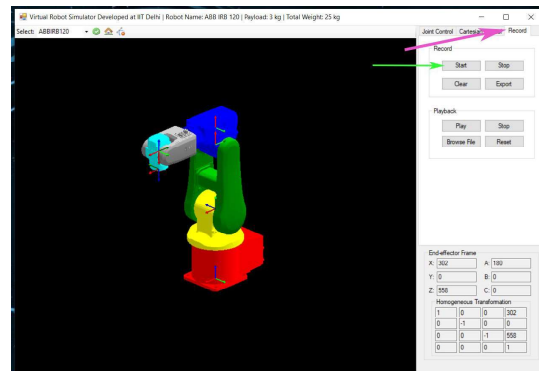
Step 1: At first we opened the RoboAnalyzer Software, and we selected the Virtual Robots tab to open The Virtual Robot Simulator.



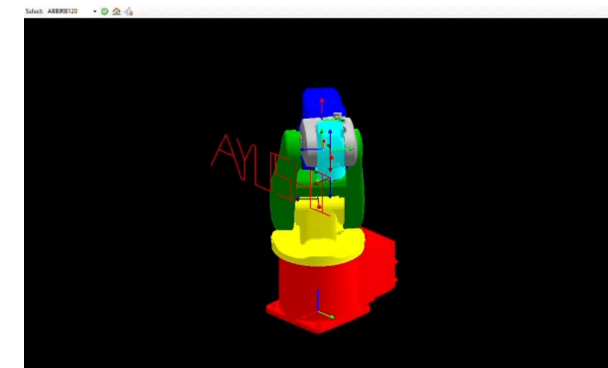
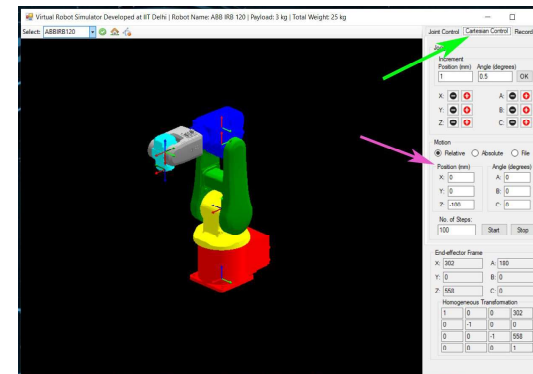
Step 2: Then we selected an inbuilt robot. We used 4 different robots for 4 different names. To be precise, we used ABBIRB1410-Vishal, ABBIRB120-Ayushi, EpsonC3A60C- Anthony, KukaKR5Sixx-Jita



Step 3: Next, we pressed the record tab and started recording our robot motion. On recording the controls of the robots, it is recorded in the form csv file for the position of end effector at different points. This file can be accessed anytime to view the output.



Step 4: Then at the Cartesian Control Tab, we filled up all the position values so as to write a specific name



Conclusion: Finally, the selected robot writes down the name as per the position values. This project helped us to learn new robotic concepts in an easy way.