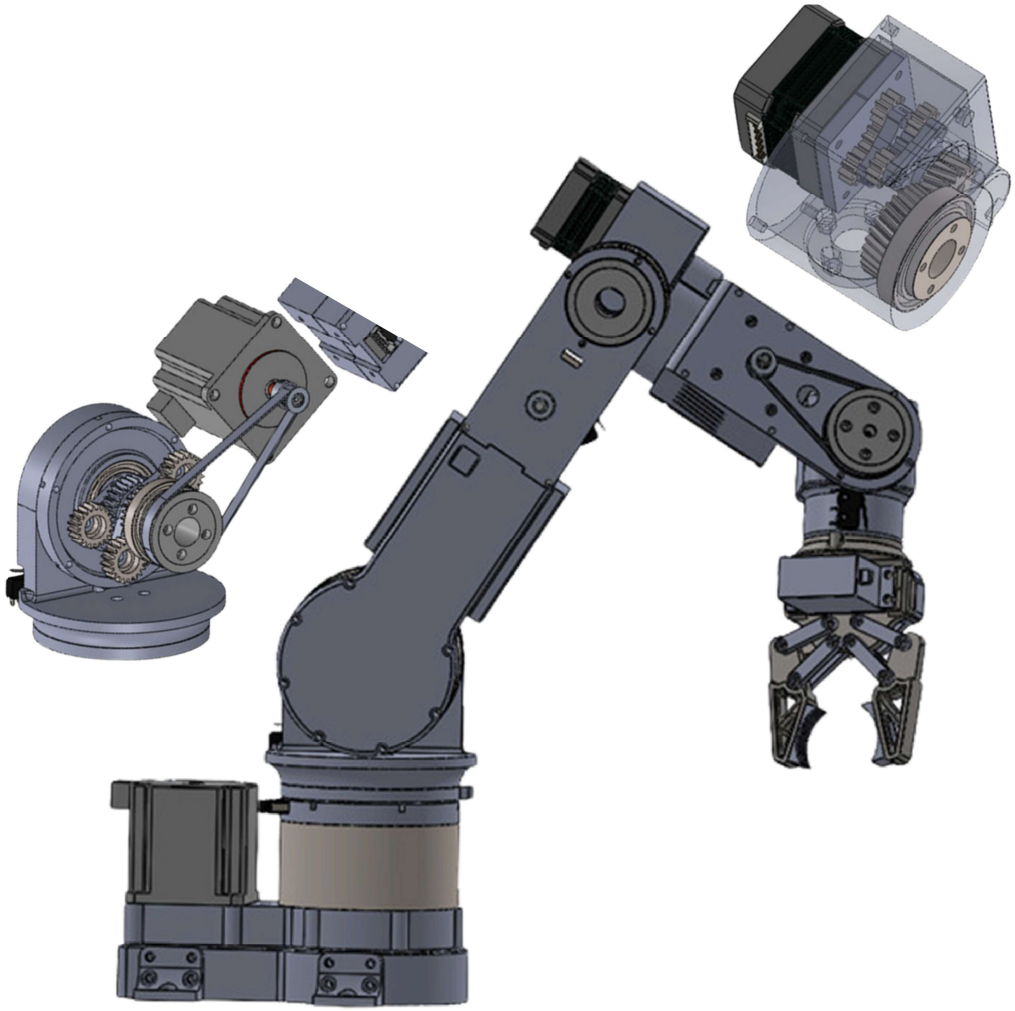
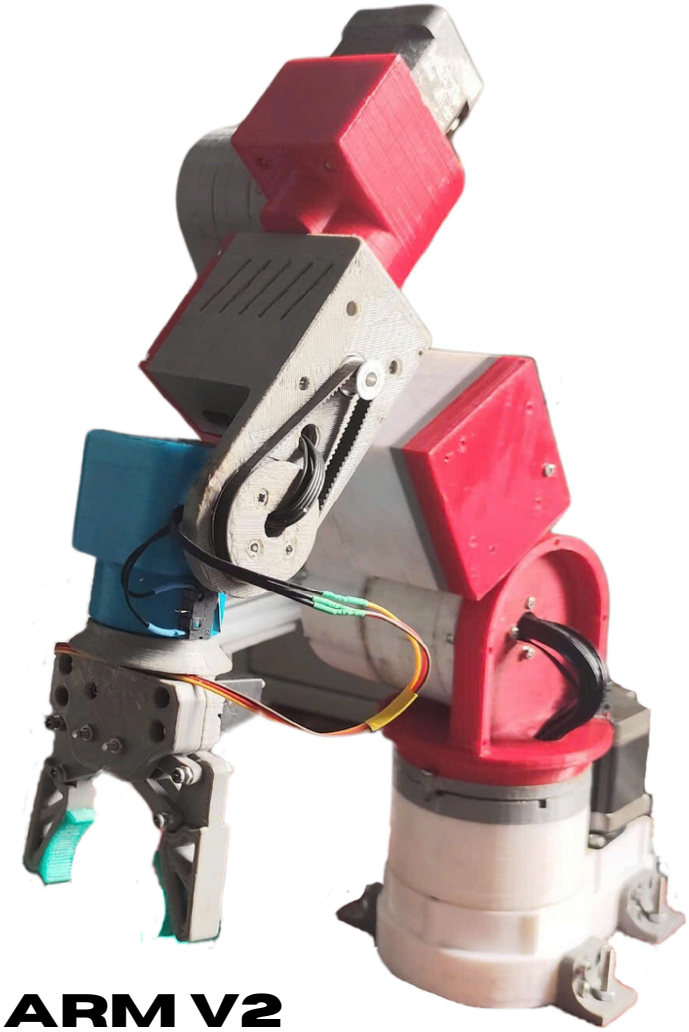
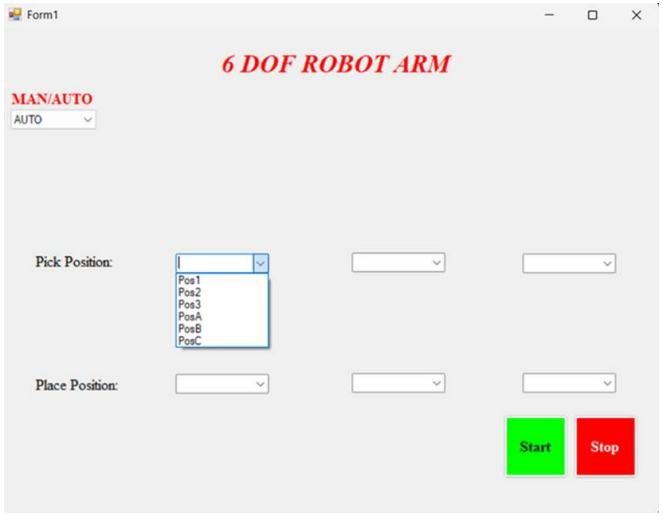




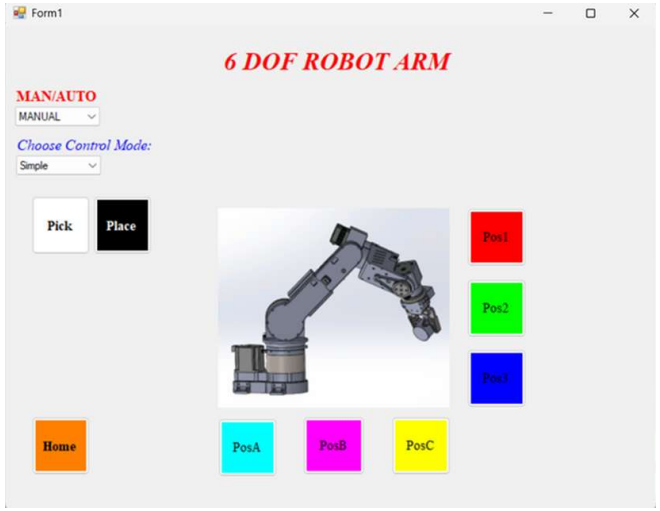
PROJECT 1 : 6 DOF ROBOT ARM V2

DEC 2024-Graduation Project - Achieved 9/10 in the final thesis

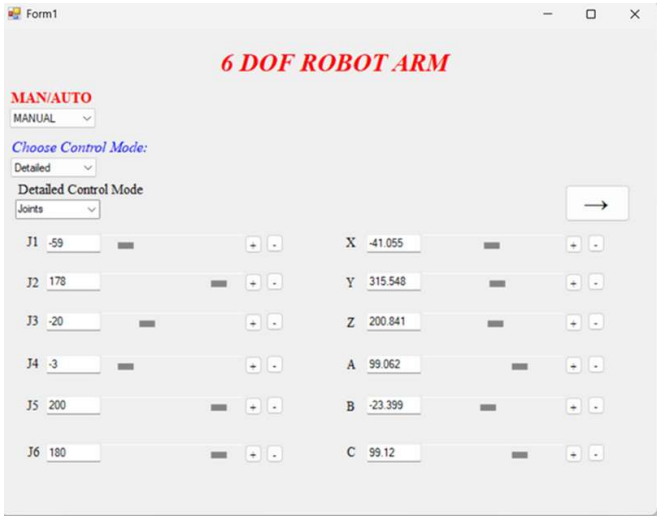
This project focuses on designing, simulating, and constructing a high-precision 6-DOF robotic arm using 3D printing technology. Key features include flexible 3D movement, adaptability for industrial and research tasks, and multiple control modes. A custom C# interface provides intuitive and efficient operation.



Control Panel of Auto Mode



Control Panel of Manual Mode and Control Mode:Simple



Control Panel of Manual Mode and Control Mode: Details

6 DOF ROBOT ARM

The robotic arm control system includes three control modes: Auto, Man-Details, and Man-Simple. Auto Mode handles pre-programmed tasks automatically, allowing users to monitor progress easily. Man-Details Mode provides detailed manual control, enabling precise adjustments of joint angles, speed, and position for high-accuracy tasks. Man-Simple Mode focuses on simplicity, offering basic controls for quick and intuitive operation.