

Our graduation project focuses on developing a CNC machine with three modes of operation: remote drawing, tic-tac-toe solving, and voice-to-text typing. The remote drawing mode utilizes a gyroscope sensor on the user's head to control the machine and enable individuals with limited hand mobility to create drawings. The tic-tac-toe solver incorporates artificial intelligence algorithms to play against a human opponent, providing entertainment and opportunities for skill improvement. The voice-to-text mode converts spoken words into written text using the TextToGcode library. By combining precision, remote control, and voice recognition, our project aims to offer an inclusive and accessible solution for individuals with physical limitations.