The project addressed the need for an automated methodology to handle alarms in a Computer Numeric Control (CNC) system. We developed a set of Robot Operating System (ROS) nodes that autonomously manage a CNC with a robotic arm while reacting to alarms in real-time. Our approach also tracks performance metrics for later evaluation. The methodology is scalable and adaptable to a wide range of CNC systems, making it a valuable tool for improving efficiency and productivity.

**Objectives:**
- Autonomously tend to CNC machine
- React to and resolve alarms in real time
- Monitor and report job metrics via ROS

**Summary:**
The project addressed the need for an automated methodology to handle alarms in a Computer Numeric Control (CNC) system. We developed a set of Robot Operating System (ROS) nodes that autonomously manage a CNC with a robotic arm while reacting to alarms in real-time. Our approach also tracks performance metrics for later evaluation. The methodology is scalable and adaptable to a wide range of CNC systems, making it a valuable tool for improving efficiency and productivity.