

During my summer internship at Bansal Metal Works Industries Limited, a prominent steel manufacturer, I worked in the Manufacturing Division where I was responsible for supporting production operations and ensuring quality standards. My primary focus was on conducting assessments and calibrating essential tooling machines to enhance operational efficiency. Through this work, I helped reduce equipment breakdowns and ensure optimal functionality, calibrating over 10 critical pieces of equipment to maintain consistent production output.

I played a key role in quality control, performing daily checks on over 250 units to ensure they met industry standards for durability and precision. Additionally, I analyzed production workflows, identifying and implementing small adjustments to optimize the manufacturing process, resulting in improved efficiency and smoother operations on the factory floor. This experience gave me valuable exposure to hands-on manufacturing processes and quality management practices, deepening my understanding of industrial engineering and operational efficiency in a high-demand environment. Working a full-time schedule for four weeks, I was able to develop practical skills and a work ethic that I'm confident will support me in future engineering roles.