

Mechanical Engineering Internship Report

Prasad Sunil Mandlik

Pune Vidyarthi Griha's College of Engineering

Internship at Slidewell Meilleur Tech Pvt. Ltd.



Intern Details



Student Name

Prasad Sunil Mandlik

Class & Roll No

TE Mechanical
Engineering, Roll No:
15

College

Pune Vidyarthi
Griha's College of
Engineering

Internship Guide

Yogita Medhane Mam



Company Profile: Slidewell Meilleur Tech Pvt. Ltd.

Slidewell Meilleur Tech Pvt. Ltd. is a leader in the manufacturing sector, specializing in high-precision mechanical components. Our internship provided an immersive experience within a dynamic industrial environment, contributing to their reputation for innovation and quality.

Industry Type

Manufacturing / Mechanical Engineering

Specialization

Precision Component Production

Duration

Jan 1, 2025 - Jan 31, 2025

Internship Overview & Objectives

1

Hands-on Exposure

Gain practical experience in manufacturing processes.

2

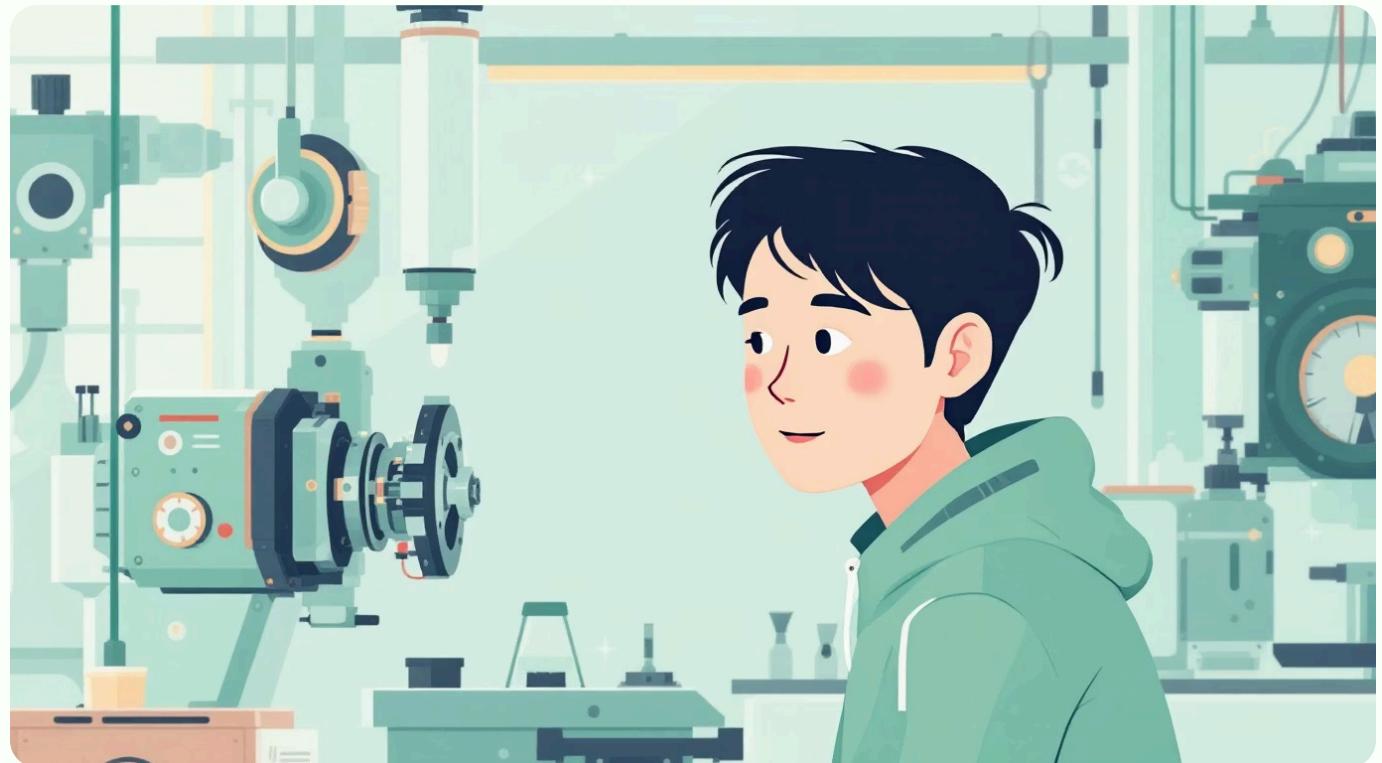
Machine Operation

Learn to operate and program CNC machinery.

3

Safety Protocols

Understand and apply industrial safety measures.



Department & Work Environment

My internship was primarily within the production department, a hub of advanced manufacturing. The work environment fostered collaboration and precision, with a strong emphasis on continuous improvement and efficiency.

- Focused on CNC Machining & Assembly
- Collaborative Team Environment
- Emphasis on Quality Control
- Exposure to Production Planning



Safety Practices & Industrial Measures

Adherence to industrial safety protocols was paramount at Slidewell Meilleur Tech. I learned to implement various measures to ensure a safe working environment, minimizing risks associated with heavy machinery and production processes.



PPE Usage

Proper use of Personal Protective Equipment (PPE) including safety glasses, gloves, and hearing protection.



Machine Safety Rules

Strict adherence to operational guidelines and lockout/tagout procedures for all machinery.



Emergency Procedures

Understanding evacuation routes, first aid, and emergency contact protocols.



Shop-Floor Discipline

Maintaining a clean, organized workspace and following established operational disciplines.

Machines, Tools & Technologies Learned

My internship provided extensive hands-on experience with cutting-edge manufacturing technologies, crucial for modern mechanical engineering.



CNC Lathe / Turning

Mastered setup, operation, and programming for precision turning operations.



VMC Machine

Gained proficiency in Vertical Machining Center operations, including tool changes and calibration.



Program Handling

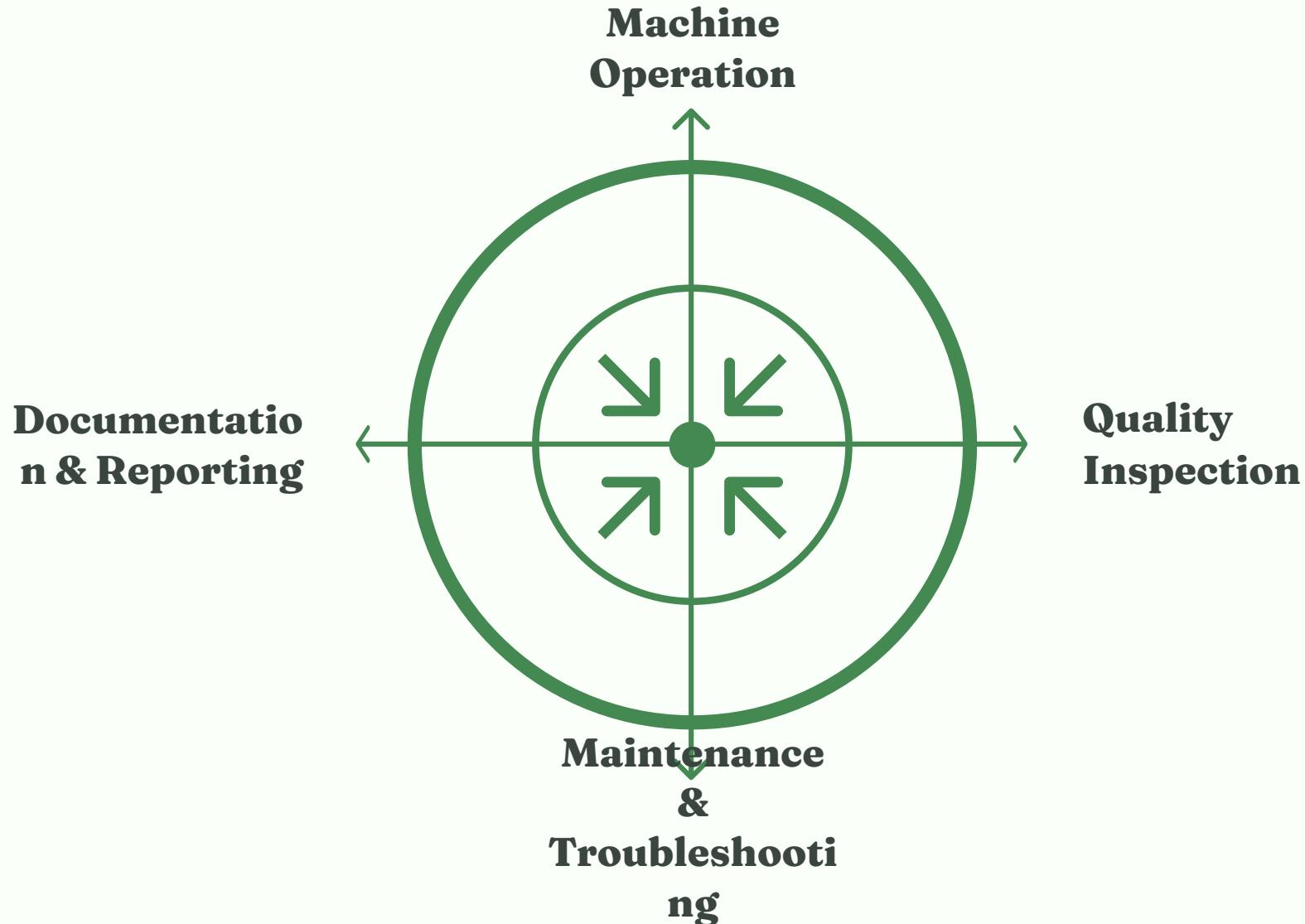
Learned to load, modify, and troubleshoot CNC programs (G-code and M-code).



Job Setup & Removal

Developed systematic approaches for efficient and safe workpiece mounting and removal.

Daily Activities & Responsibilities



Each day presents opportunities to apply theoretical knowledge to practical scenarios, contributing directly to the production line and refining operational efficiency.

Skills & Knowledge Gained

This internship significantly enhanced both my technical understanding and practical application of mechanical engineering principles.

Technical Exposure

- CNC Programming & Operation
- Metrology & Quality Control
- Material Science Applications
- Understanding of Machining Processes

Practical Skills

- Problem-Solving in Production
- Team Collaboration & Communication
- Adherence to Safety Standards
- Time Management in Manufacturing



Conclusion & Thank You

My internship at Slidewell Meilleur Tech Pvt. Ltd. was an invaluable experience, solidifying my understanding of mechanical engineering in a real-world manufacturing context. I am deeply grateful for the guidance and opportunities provided.

LEARNING OUTCOMES

PRACTICAL EXPERIENCE

PROFESSIONAL GROWTH

Thank You!

I would like to express my sincere gratitude to my guide, Yogita Medhane Mam, and the entire team at Slidewell Meilleur Tech for this enriching experience.