

# **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

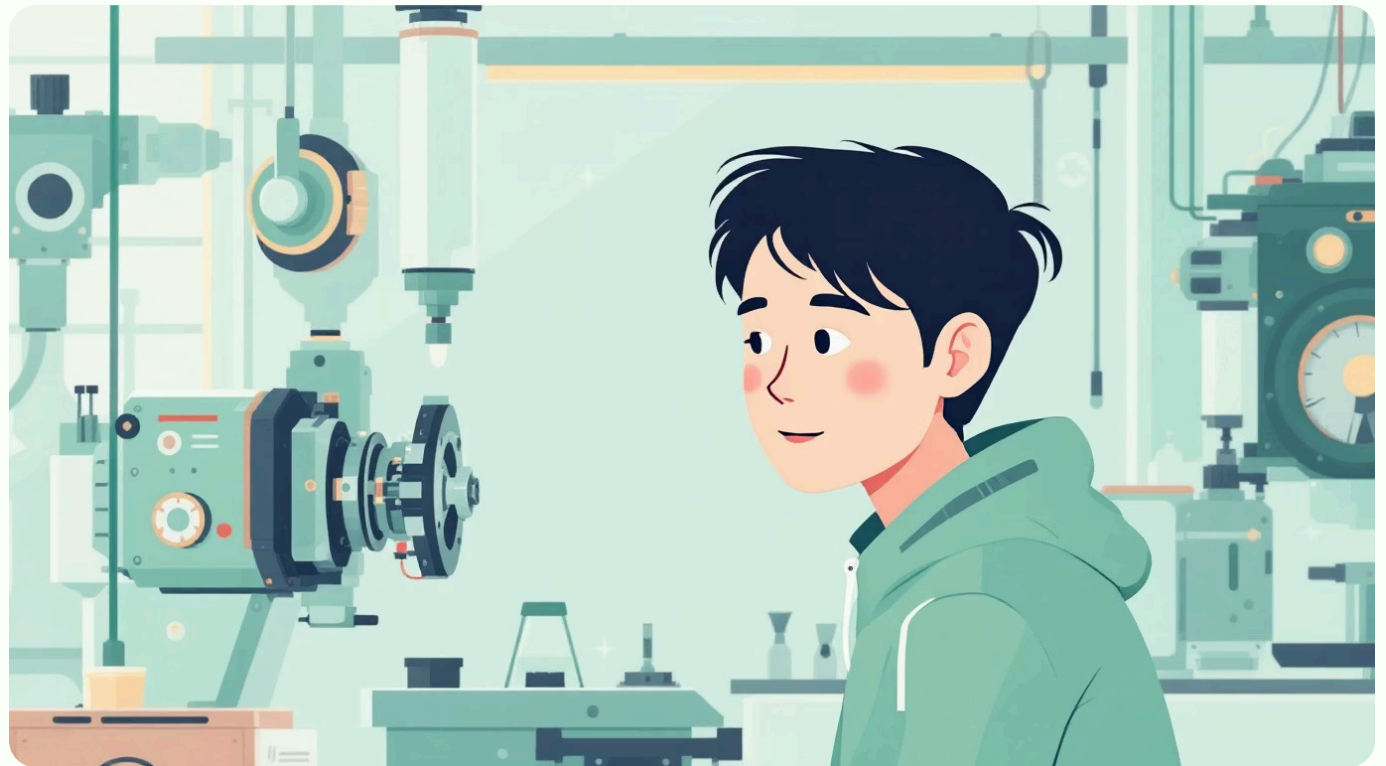
## Machine Operation

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**

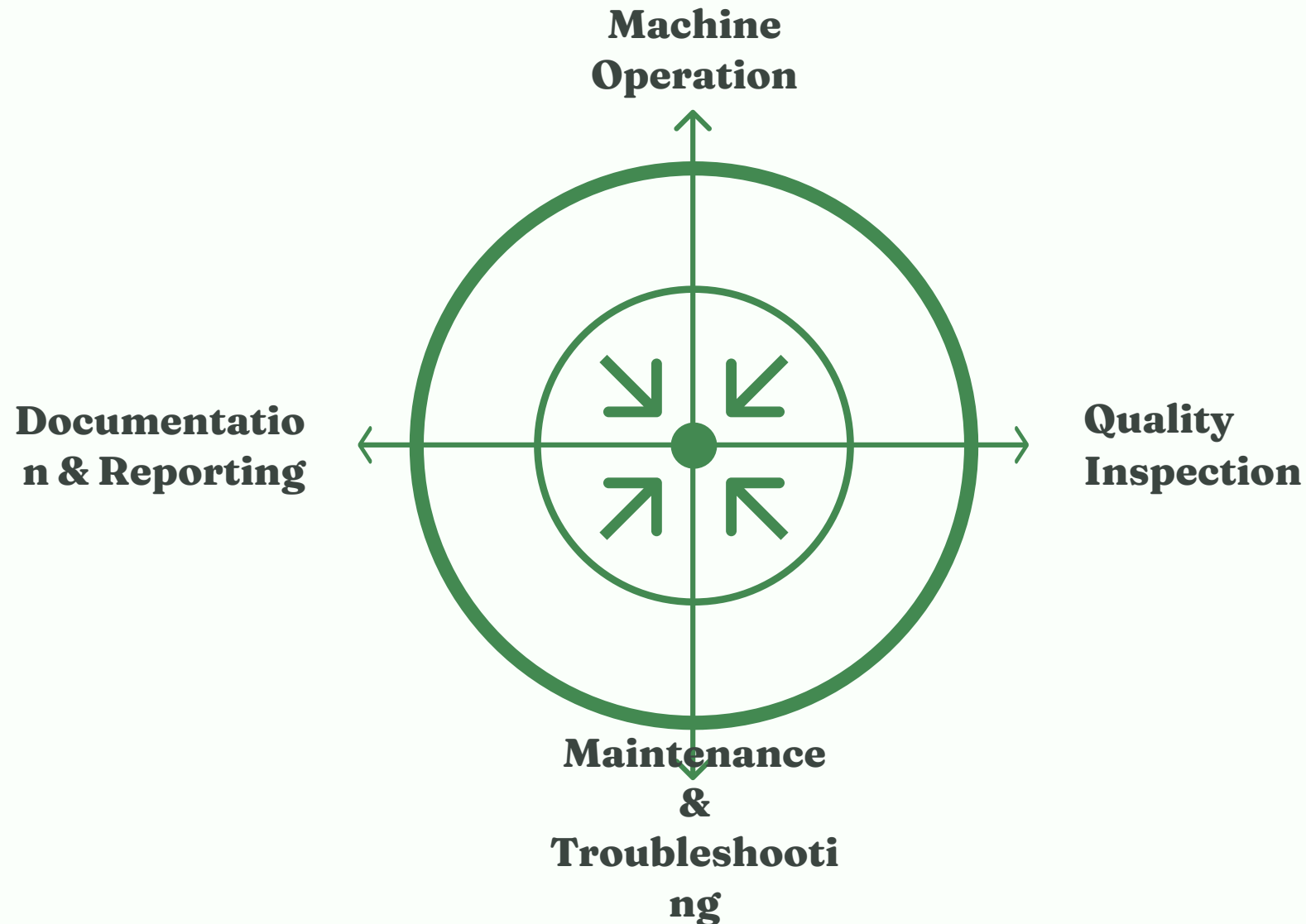
Learned to load, modify, and troubleshoot CNC programs (G-code and M-code).



## **Job Setup & Removal**

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

# Daily Activities & Responsibilities



Each day presented 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.