



Certificate of Guide

This is to certify that the project work entitled "REDUCTION IN MATERIAL PREPARATION TIME THROUGH CHANGE OVER OF FLOW-ORIENTED LAYOUT" has been successfully carried out by Mr. Rutvik Rajendra Pawar during his internship at Bosch Limited, Nashik under my supervision and guidance.

The project was undertaken as a part of his academic curriculum and a partial fulfilment of the requirement of his engineering program. The work presented in this report is an outcome of his sincere effort, technical competence, and professional approach toward solving an industrial problem related to process optimization, layout improvement and material handling efficiency.

To the best of my knowledge, this report presented original work completed by the student during the internship period. Any reference or material obtained from external sources have been duly acknowledged within the report.

Date: 17-10-2025

Place: Bosch Limited, Nashik



Signature of Guide

Name: Mr. Sumeet Kulkarni

Designation: Assistant Manager, LOM Department

Organization: Bosch Limited, Nashik

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Sumeet Kulkarni
17/10/2025