

# CERTIFICATE OF INTERNSHIP

## Internship Confirmation and Project Summary of Ms. Soumya Dhingra



Manish Kandu

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Dear sir,

This is to formally confirm that **Ms. Soumya Dhingra**, a student from your institution, is currently pursuing her 6-month internship with **VE Commercial Vehicles Ltd.** in the **MES Tool Quality Assurance and Innovation Department**. She will continue her work with us until **31st July 2025**.

During her internship, Soumya has demonstrated strong initiative, technical curiosity, and problem-solving skills. She is actively involved in a strategic project titled: **"Innovation and MES Smart Tool Integration"**

### Project Contribution Summary:

#### 1. AR/VR Training Module for Safety

She is developing a virtual training module using AR/VR technology to simulate real-life tool usage and safety protocols. This module is designed to train new operators and trainees on how to handle tools safely and effectively using interactive videos and virtual simulations. The aim is to reduce onboarding time, improve safety awareness, and minimize operational errors.

#### 2. Gearbox Vision – Fault Reduction through DCNR Tool Enhancement

In this activity, she is working to reduce gearbox-related faults and minimize rework time by enhancing the DCNR (Defect Cause & Non-conformance Report) tool. Her focus is on using innovative methods to accurately define the Pitman arm angle, which plays a critical role in identifying and rectifying potential gearbox issues at an early stage.

#### 3. Fuel Tank Residual Oil Quality Monitoring and Control

She is also contributing to solving a real-life issue related to residual oil in truck fuel tanks. Through innovative problem-solving and data monitoring techniques, the goal is to improve fuel tank performance and minimize operational defects caused by leftover fuel residue.

### MES Tool Tracking System – Smart Tool Integration

In addition to the above, she is also engaged in the MES (Manufacturing Execution System) Tool Tracking System project. She is working on the integration of smart tools with conveyor interlocking systems. The system enables real-time tracking of every tool used during vehicle assembly, with data logged into MES for complete traceability. She has been diligently following up with regular audits to validate the data integrity and ensure accurate system functioning.

### Performance of the student - Excellent

Please feel free to reach out for any further information or clarification.

Best regards,

Manish Kandu | Deputy General Manager, Plant Engineering |

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