

DULARA DILMIN

MATERIAL & PROCESS TECHNOLOGIST | QUALITY ASSURANCE

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SUMMARY

Material and Process Technology graduate with practical industrial experience in Quality Assurance, laboratory testing, product specification development, quality documentation, and plastic manufacturing processes. Gained hands-on experience at PE Plus (Pvt) Ltd, a company of the Capital Maharaja Group, with exposure to QA, R&D, Production, Planning, Sales, and Stores operations. Experienced in polymer material testing, product inspection, technical documentation, and manufacturing processes. Seeking opportunities in Quality Assurance, Quality Control, Materials, and Manufacturing fields.

KEY COMPETENCIES

- Quality Control
 - Problem Solving
 - Critical Thinking
 - Leadership
 - Technical Documentation
 - Data Analysis
 - Effective Communication
 - Teamwork
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PROFESSIONAL EXPERIENCE

Trainee – Quality Assurance

July 2025 – January 2026

PE Plus (Pvt) Ltd – Capital Maharaja Group

- Supported Quality Assurance activities related to product quality, manufacturing processes, inspection, and quality documentation.
- Contributed to updating the Factory Quality Plan according to current production processes, quality-control requirements, and documentation practices.
- Prepared approximately 80 product specifications for the Tank, Polymate, PVC Ceiling, and trading-item sections, covering dimensions, materials, and quality requirements.
- Created 3D technical drawings using SolidWorks to support product specifications, quality documentation, and production references.
- Performed laboratory testing including Melt Flow Index (MFI), Thermal Stability, and Moisture Content Analysis for raw-material quality evaluation.
- Prepared inspection record sheets and work instructions to support quality inspections and standard operating procedures.
- Conducted routine quality laboratory activities including incoming raw-material testing, finished-product testing, material registration, and quality-report preparation.
- Gained practical exposure to PVC extrusion, HDPE blow molding, HDPE injection molding, LLDPE rotational molding, and PP injection molding.

EDUCATION

Bachelor of Engineering Technology

2022 – 2026

Completed all academic requirements – Results pending

- Specialisation in Material and Process Technology

G.C.E. Advanced Level – Engineering Technology Stream

2018 – 2020

Z-Score: 1.8564

- Engineering Technology - B
- Science for Technology - B
- Information and Communication Technology - B

G.C.E. Ordinary Level

2017

A-5, B-3, C-1

- Mathematics - B
- Science - B
- English - C

CERTIFICATIONS

- Lean Process and Six Sigma | Online Certificate Course | Alison Platform
- ERP Basics with Systems, and Products in Data Processing | University of Kelaniya

PROJECTS

Development of Absorbent Mat Using Waste Disposed from Palm Oil Industry

Faculty of Computing and Technology, University of Kelaniya

2025 - 2026

- Developed an oil-absorbent mat using palm oil industry waste, focusing on material preparation, fabrication, and performance evaluation.
- Investigated different palm oil waste materials and fabrication approaches to develop a functional absorbent mat.
- Evaluated the developed materials and mats for oil absorption performance and reusability.

TECHNICAL SKILLS

- **Quality Assurance & Quality Control:**
Quality Inspection | Product Specification | Quality Documentation
- **Laboratory & Material Testing:**
Melt Flow Index (MFI) | Thermal Stability | Moisture Content | FTIR
- **Manufacturing & Process:**
PVC Extrusion | Injection Molding | Blow Molding | Polymer Processing
- **Quality & Process Improvement:**
5S | Basic TPM | Lean Manufacturing | Six Sigma
- **Engineering & Software:**
SolidWorks | AutoCAD/CAD | Microsoft Excel

LANGUAGES

- Sinhala – Native
 - English – Professional Working Proficiency
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EXTRA-CURRICULAR ACTIVITIES

- Member – Engineering Technology Student Association, University of Kelaniya
 - Member – Green Club, Faculty of Computing and Technology, University of Kelaniya
 - Vice President – Art Council, University of Kelaniya
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REFERENCES

Mrs. Danuja De Silva

Quality Assurance Manager

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Dr. Shakila Pathirana

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