

XOLISANI MPHUMUZI NYAWO

INDUSTRIAL PROCESS ENGINEER GRADUATE



CAREER OBJECTIVE

Enthusiastic professional eager to grow experience as a Process Engineer. Adept at managing multiple priorities with a positive attitude and willingness to take on added responsibilities to meet team goals. Skilled Industrial Engineering Graduate seeking an entry-level, or junior position. Offering basic knowledge and skills in continuous process improvement, systems & computer science knowledge, Manufacturing & production engineering and quality control.



PROFESSIONAL EXPERIENCE

Graduate - Industrial Process Engineer

Hesto Harnesses, KwaDukuza, KwaZulu-Natal | Dec 2024 – Present

- Designing, Develop, and implement new manufacturing process using CAD, BOM, BEAMS for wire harnesses and cable assemblies.
- Develop detailed process flow diagrams, work instructions, Visual aids Standard Operating Procedure (SOPs).
- Collaborate with Product design engineering to ensure new product designs are manufacturable (DFM).
- Collect and analyze data to identify bottlenecks and lead continuous improvement initiatives using methodologies such as lean manufacturing, Six Sigma, and Kaizen.
- Conduct time studies, work allocation and distribution for line balancing and efficient process flow.

Graduate in Training - Industrial Engineering

ADIANT | PPC, Port Elizabeth, Eastern Cape | Aug 2024 – Nov 2024

- Define and monitor Key Process Parameters (KPPs) and Key Performance Indicators (KPIs) to Ensure Product quality and process consistency.
- Conduct root cause analysis for quality defects, production delays, or equipment failures to implement effective corrective and preventive actions.
- Provide technical support and troubleshooting expertise to resolve production issues, process deviation, and equipment malfunctions.
- Lead Process Failure Mode and Effects Analysis (PFMEA) and Process Validation Activities. Lead and support projects related to new product introduction (NPI)

Graduate Intern - Industrial Engineering

A & R Engineering and Mining supplies, Welkom, FS | Feb 2024 – July 2024

- Ensure proper rotation of stock using First-in, First-out (FIFO) to prevent obsolescence. Maintain accurate stock records using manual and computerized Inventory systems (SAP & Excel).
- Organize and store inventory in designated locations within the warehouse and conduct regular cycle counts and do annual stock takes.
- Receiving incoming shipments, verifying quantities and quality against purchase orders, packing list, and record in stock with invoicing.
- Prepare orders for shipment, coordinate with shipping transportation for Just in time delivery.
- Issuing raw material and wire harnesses for mining Locomotives, Vehicle interface, hydraulics, and Power modules for assembly.



CONTACT

Phone

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Linked-in | Gmail | Profile | Website



EDUCATION

Durban University of Technology,

Durban, Kwazulu-Natal | Dec 2023

Bachelor of Engineering Technology in

Industrial Engineering (NQF 7)

SAQA NO: 99639



RELEVANT SKILLS

Collaboration and team work

Simulation Modeling

Auto CAD Drawing (2D & 3D)

Computer Programming (Python, C#)

Data collection and analysis

Performance evaluation

Microsoft Office



REFERENCES

Hesto Harnesses
Process Engineer

Mr. M Manganyi
(+27) 78 015 2615

Adient | PPC
Industrial Engineer

Mr. D Leope
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A & R Engineering
Store Supervisor

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