

Taurai Chipurura

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EDUCATION

Harare Institute of Technology, Harare, Zimbabwe GPA: 2.1 (2012-2016)

B-Tech Hons Industrial and Manufacturing Engineering

NOSA, Johannesburg, South Africa

Introduction to SAMTRAC (2020)

EXPERIENCE

Zimbabwe Power Company (ZPC), Harare Zimbabwe, Intern (Dec 2014-Aug 2015)

- Leadership- Scheduling, Ensuring Safety compliance, Production planning and resource coordination.
- Inventory Management.
- ISO 9001 and ISO 14001 documentation.
- Process Documentation.

Tanganda Tea (FMCG) Mutare Zimbabwe, Package Engineer (Jan 2017- June 2018)

- Prepared written report and presentation to section head on improving factory measures and processes.
- Organise materials and prepare samples for testing product prototypes and adjust design flaws.
- Design and coordinates the manufacturing process for all manufactured products.
- Evaluating the product prototype to identify potential safety hazards.
- Documentation of tests designs for packages.
- Develop manufacturing specs and ensuring compliance to all FDA and ISO.

USIZE Engineering Wadeville, Germiston, 1422, Mechanical Draughtsman (Aug 2019 – Aug 2021)

- Designed and drew parts for manufacturing as per client specs.
- Produce assembly drawings for fabrication.
- Planning and execute mechanical designs using AUTOCAD, Solid works, AutoCAD plant 3D and Inventor.
- Prepare assembly drawings.
- Overseeing the development and manufacturing of physical prototypes for testing.
- Documenting the design process, and update BOQ.
- Prepare technical reports, design specifications documents and operational manuals.

AFRIMEG Petroleum Projects Sandton Johannesburg 2196, Draughtsman and Project co-ordinator (Nov 2021 -)

- Project planning, technical oversight, schedule management and project execution planning.
- Manage the relationship with the client and all stakeholders.
- Track project performance, specifically to analyse the successful completion of short and long-term goals.
- Design and detailing Oil Storage tanks equipment for manufacturing.
- Stress Analysis using FEA methods.
- Updating existing drawings.
- Sheet metal, fabrication, and machining drawing
- Reverse engineering of components

- Develop spreadsheets, diagrams, and process maps to document needs.

Skills

Advanced Microsoft excel, ISO Quality Standards documentation, Piping and Instrumentation Diagrams (P&ID). Solid Edge, NX, Mechanical Flow diagrams. 3D modeling, 2D drawing and Structural analysis. Solid works, Catia, Autodesk Inventor Ansys, AutoCAD Plant 3D Abacus, Hyper works further for the fatigue analysis.

Projects Completed

- Installation of 30Mw power generation turbine 2015(intern ZPC)
- Optimization of electro-static precipitators on power plants (University Project)
- Design to improve effectiveness of heavy-duty conveyor belt idlers for self-alignment so that down time will be reduced in production (currently working on the drawings). (Private research)