Tshwane University of Technology
We empower people

VACANCY BULLETIN

Part-time Academic Technician (2027):
Faculty of Engineering and the Built Environment
Department of Architecture and Industrial Design
Pretoria West Campus
Ref: 26/J71

The Department of **Architecture and Industrial Design** requires the services of a part-time academic technician to manage its established MakerSpace and other lab facilities in Architecture and in the Industrial Design laboratories. Part-time lab technicians are remunerated using the official TUT hourly tariffs. All part-time appointments are limited to a maximum of 19 hours per week:

1.1 PART-TIME LAB ASSISTANT

One (1) post available
Working hours = 5 days/week for 19 hours x 45 weeks
Total hours = *855 hours*

INSTRUCTIONS: Applicants are required to submit, together with the CVs, a fully completed standardized application form available from the university intranet as well as recently certified copies of qualifications and Identity Document. Failure to comply with this instruction will disqualify the candidate. Candidates may be subjected to appropriate psychometric testing and other selection instruments

Academic qualifications:

- An Advanced Diploma or Bachelor's degree in a relevant field, such as Industrial Design, Architecture, Engineering or a related field (NQF level 7 or NQF level 6 qualification).

Experience:

- A minimum of two (2) years of relevant work experience in a similar role or laboratory experience at a tertiary institution.
- An ability to teach, mentor and guide students in practical and prototyping.
- Industrial skills and workshop practice.
- Computer literate.
- Experience following procurement processes.
- CAD skills.

Critical performance areas:

- Standard technician duties and responsibilities.
- Facilitate the safe operation of labs.
- Maintenance of lab equipment.
- Ensure that all equipment is treated with care, is not removed without proper authorisation and is returned after use.
- Maintain discipline and safety compliance in the labs.
- Provide reports as required.
- Assist by mentoring students, doing practicals, and building prototypes
- Ordering of materials, tools and consumables for practicals and prototyping.
- Generating 3rd stream income where applicable.

Knowledge and skills:

- Understanding of the tools, equipment, and materials used in the workshop, as well as proficiency in relevant software and technology, is important.
- Familiarity with 3D printing, laser cutting and CNC machines is crucial.
- Knowledge of safety protocols and regulations related to the workshop equipment and materials, such as chemical handling, electrical safety, and personal protective equipment (PPE), is essential.
- Effective communication skills, including the ability to provide technical support and training to

students and faculty members.
- Record-keeping, inventory management and scheduling are necessary for this role.
- Ability to troubleshoot technical problems and find solutions quickly and efficiently.
- Working as a member of a coordinated team.

Registration with a professional body (if applicable):
- NA

In addition to the above qualifications, you must demonstrate a passion for innovation and a strong interest in design and fabrication.

Candidates may be subjected to appropriate psychometric testing and other selection instruments.

Interested candidates should send their CV, academic record, ID/Passport copy, and certified copies of their highest qualification to: LabuschagneMM@tut.ac.za and GaumT@tut.ac.za.

Closing Date: **16 November 2026** – Enquiries to Dr Tariené Gaum, Tel: 012 382 4214/ 5252 orLabuschagneMM@tut.ac.za. NB.: If we have not responded within a month from the closing date, you should regard your application as unsuccessful. Correspondence will only be entered into with short-listed candidates. **The University reserves the right not to make an appointment.** It is the intention of the University to promote representativity in respect of race, gender and disability through the filling of this post.