



RECRUITMENT ADVERTISEMENT

RESEARCH, INNOVATION & ENGAGEMENT Centre for Rapid Prototyping and Manufacturing (CRPM)

POST TITLE	Project Engineer: CRPM (Design)		
REFERENCE NUMBER	• 308	CLOSING DATE FOR APPLICATIONS	• 14 July 2017
POST LEVEL	• P-8		
MINIMUM QUALIFICATION, EXPERIENCE & OTHER REQUIREMENTS	<ul style="list-style-type: none"> • B.Tech in Mechanical Engineering or equivalent degree • 4 years' experience in Mechanical Engineering (preferably Additive Manufacturing (AM)). • Knowledgeable about the regulations regarding ISO13485 specifications • Efficient in the use of relevant design and FEA software. • Mathematically strong 		
DESIRED QUALIFICATION AND/OR EXPERIENCE	<ul style="list-style-type: none"> • Relevant Master's degree or equivalent • 4 years' experience in Mechanical Engineering (preferably Additive Manufacturing (AM)). 		
DIRECT ENQUIRIES TO	• Mr G Booysen (gbooyesen@cut.ac.za) OR 051 507 3526		

MAIN TASKS

1. Capable of designing (assistive) medical devices	2. Capable of designing medical implants in accordance with CT and MR scan data
3. Finite Element Analysis (FEA) on designs. FEA is a computerized method for predicting how a product reacts to real-world forces, vibration, heat, fluid flow, and other physical effects.	4. Use of different additive manufacturing technologies
5. Skills in assessing the functional characteristics of the relevant AM machines	6. Skills in assessing functioning of AM machines in compliance with the relevant ISO standard

IMPORTANT INFORMATION REGARDING YOUR APPLICATION

(Kindly ensure that you read and comply before submitting your application)

- Please complete a separate application form for each post.
- The University may decide to consider only completed applications consisting of ALL the documents listed below for selection.
 - A completed and signed CUT application form;
 - A comprehensive Curriculum Vitae;
 - A **certified** copy of a South African identity document or a passport;
 - A complete set of **certified** copies of qualifications (only certified copies of documents are required. Please do NOT submit any original documents); and
 - A **certified** copy of the SAQA accreditation of any qualifications obtained at education institutions outside South Africa.

GENERAL REMARKS

- Candidates will be recruited and appointed in accordance with the Employment Equity and Affirmative Action Programmes of the Central University of Technology, Free State.
- The Central University of Technology, Free State reserves the right to conduct/employ a third party to conduct a background investigation in respect of all short-listed candidates.
- Correspondence will be limited to short listed candidates only.
- The Central University of Technology, Free State reserves the right not to make an appointment in the advertised post and/or to appoint other suitable persons recruited by means other than this advertisement. Appointment, either on a permanent or contract basis, will be negotiated with the successful candidate.
- Application forms are available from the Human Resources section, ZR Mahabane Building, CUT Campus, Bloemfontein or on CUT's website.
- Complete applications, quoting the specific reference number, should reach CUT on or before the closing date via:

By hand:

The Resourcing office, Human Resources
Central University of Technology, Free State
ZR Mahabane building
20 Pres. Brand Street
Bloemfontein

By mail:

The Resourcing Office, Human Resources
Central University of Technology, Free State
ZR Mahabane building
Private Bag X20539
Bloemfontein, 9300

By e-mail:

jobs@cut.ac.za