



External Vacancy

FACULTY: Engineering and Technology	DEPARTMENT: Process Control and Computer Systems
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POST: Associate Professor: Computer Systems Engineering (Software Engineering)	POST NUMBER 0412 PEROMNES LEVEL 06
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JOB DESCRIPTION:

The incumbent will be required to: {KPA'S}

- Provide academic leadership in teaching and learning
- Manage the provision of quality teaching, research and community engagement in the best interest of the students, university and community
- Manage and monitor student learning activities to ensure successful completion of qualifications
- Manage, monitor and assess practical teaching activities
- Coordinate the development of new curricula and programmes in the department
- Coordinate and assess teaching practice
- Initiate collaboration with national and international academics for joint teaching and research projects
- Contribute to the department's teacher education and postgraduate programmes
- Provide leadership in research activities
- Develop research capacity to enhance research outputs within the department
- Develop and promote postgraduate study and supervise post-graduate research projects
- Liaise with industry, professional bodies and education institutions nationally and internationally
- Attend relevant academic and research committee meetings
- Participate in the development of department strategic and operational plans of the within the vision of the VUT
- Manage administrative tasks including but not limited to student registration, enrolment and research monitoring
- Mentoring of young academics in the department
- Maintain a solid record of research output and scholarship

Application Criteria:

Qualification/Experience:

- Doctorate degree in Electrical/Computer Engineering with specialisation in Software Engineering. Have at least seven (7) year's relevant teaching experience and/or (5) relevant industry/extensive consulting experience
- Evidence of accreditation/membership in a relevant professional body or learned society will be an advantage
- Rating as a researcher by the NRF in any category will be an advantage.
- Experience in curriculum development and material design and contribution to teaching and learning aspects at academic institution
- A track record of supervision of masters or doctoral candidates to completion is recommended
- Demonstrate potential to engage in research (if not currently employed at a tertiary institution), or have a record of accredited research outputs or research reports or any other research activity
- Demonstrate an understanding of community engagement in terms of teaching and learning and engaged research
- Undertake to participate in community engagement and outreach projects and/or programmes
- Participation in departmental, school, college and University or workplace committees or task teams and voluntary associations
- Participation in academic area, faculty and University committees task teams and voluntary associations
- Experiences in the following:
 - SWEBOK, MDE, RUP and the modelling of UML with modelling tools such as IBM RSA
 - Programming C, C++ and Java
 - Data Modelling (logical and physical) using tools such as IBM Infosphere Data Architect
 - Database Principles and - Programming using SQL MS SQL Server, DB2 and MySQL
 - Hardware and Network Infrastructure installation, maintenance and troubleshooting
 - Overseeing Student Software Engineering Projects

Skills:

- Excellent communication and presentation skills, excellent teaching and research skills, excellent managerial, organising and administrative skills, competence in project management and resource management, conceptual skills, analytical ability, interpersonal skills, conflict management, negotiating and networking, problem solving skills

Closing date for applications: 06 July 2018

Submit CV by hand to Carmen Titus at B103 or e-mailed to recruitment@vut.ac.za.

Please Note: The application must be accompanied by a CV, identity document and ORIGINAL certified copies (not older than 3 months) of educational qualifications. Submission of such copies entitles Vaal University of Technology to authenticate the qualifications without any further consent from the applicant. Candidates with foreign qualifications must also submit the South African equivalent of the qualification. These qualifications are evaluated by SAQA. Vaal University of Technology is an equal opportunity and affirmative action employer, which is committed to the implementation of its employment equity plan. Therefore people from designated groups are encouraged to apply. If you are not contacted within three weeks after the closing date, please accept that your application was unsuccessful.