Professional Officer (All Levels) (Built Environment with Electrical Engineering)
Singapore Institute of Technology

Job Title Professional Officer (All Levels) (Built Environment with Electrical Engineering)

Department Professional Officers

Institution Singapore Institute of Technology
Singapore, , Singapore

Date Posted Jul. 3, 2023

Application Deadline Open until filled
Position Start Date Available immediately

Job Categories Professional Staff

Academic Field(s) Electrical and/or Electronics

Job Website https://careers.singaporetech.edu.sg/cw/en/job/498453/professional-officer-all-levels-built-environment-with-electrical-engineering

Apply By Email

Job Description

Professional Officer (All Levels) (Built Environment with Electrical Engineering)

Job no: 498453
Department: Professional Officers
Contract type: Contract
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Key Responsibilities

- Design and teach labs & practice modules.
- Mentor students in Capstone Projects and the Integrated Work Study Programme (IWSP).
- Lead or co-lead innovation projects with industry.
- Manage labs and equipment to support academic programmes and applied research.
- Ensure safety in labs

Job Requirements

- A good degree in Building Services, Electrical Engineering or a related field. Masters, PhD and/or relevant professional certifications like registered PE/CEng would be advantageous.
- Deep technical specialist with 10 or more years of working experience with Building services environments or facility design consultancy would be preferred.
- Experience in following areas is highly desirable:
  - Both design and management of mechanical building systems.
  - Use of BIM software for design and engineering works and develop BIM models as well as knowledge in using CAD software such as REVIT, AutoDesk and ArchiCAD.
  - Have working knowledge of building services systems such as Heat Ventilation Air Conditioning (HVAC), refrigeration, lift, heat exchangers, micro-climate, simulations, fire-testing and acoustic experiments.
  - Have prior working experience in building and facility management.
- Having experience with materials and materials property as well as materials testing, and fire testing is advantageous.
- Have deep, hands-on competence and understanding in electrical, electronic, software and electronics system integration.
- Knowledge of CAD and electronic design, Microcontroller programming, ROS, LabView, Python, MATLAB, C/C++ Programming will be advantageous.
- Extensive experience and knowledge of industry practices to bring industry perspective to SIT as well as experience with Green Marking and energy management is advantageous.
- Keen interest in innovation projects, with demonstrated ability in developing solutions to technical problems.
- Strong supervisory skills and enjoy working closely with students in an educational environment.
- Demonstrate proficiency to keep abreast of development in the field and pursue professional

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certification programs. Possess industrial certifications in relevant areas will be an added advantage.

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Advertised: 03 Jul 2023 Singapore Standard Time
Applications close: 31 Dec 2023 Singapore Standard Time

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

Singapore