

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

Direct Link: <https://www.AcademicKeys.com/r?job=216200>

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Posted Jul. 3, 2023, set to expire Jul. 5, 2024

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>

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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