

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

Direct Link: <https://www.AcademicKeys.com/r?job=248456>

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Posted Nov. 8, 2024, set to expire Jul. 5, 2025

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

**Department** Infocomm Technology

**Institution** Singapore Institute of Technology  
Singapore, , Singapore

**Date Posted** Nov. 8, 2024

**Application Deadline** Open until filled

**Position Start Date** Available immediately

**Job Categories** Professional Staff

**Academic Field(s)** Mechanical Engineering

**Job Website** <https://careers.singaporetech.edu.sg/cw/en/job/498799/professional-officer-all-levels-built-environment-with-mechanical-engineering>

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**Job Description**

## Professional Officer (All Levels) (Built Environment with Mechanical Engineering)

**Job no:** 498799

**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, Mechanical 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 mechanical systems in 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.
- 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 certification programs. Possess industrial certifications in relevant areas will be an added advantage.

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**Advertised:** 08 Nov 2024 Singapore Standard Time

**Applications close:**

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07 May 2025 Singapore Standard Time

**Contact Information**

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

**Contact**

Singapore