

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

Direct Link: <https://www.AcademicKeys.com/r?job=259644>

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Posted Jul. 11, 2025, set to expire Jul. 5, 2026

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

**Department** Professional Officers

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

**Date Posted** Jul. 11, 2025

**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/498954/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:** 498954

**Department:** Professional Officers

**Contract type:** Contract

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The Professional Officers Division (POD) houses a centralized pool of academic staff under the Professional Officers scheme. Professional Officers come with specialised and deep technical skills acquired through extensive industry experience. They form the talent pool which brings a much-needed industry perspective to student learning. They facilitate applied learning and applied research in SIT, complementing the academic expertise of the faculty to bring industry practices and applications into the curriculum.

Professional Officers leverage on their industry experiences to create authentic learning environments, where discovery and innovation take place. They act as coaches and mentors to students during practical learning activities such as laboratory sessions, Capstone Projects and the Integrated Work Study Programme (IWSP). Professional Officers could also lead or work with faculty on industry innovation projects to provide solutions to the industry.

In addition to their role in applied learning and applied research, Professional Officers manage the centralised laboratory facilities and resources in SIT. With Technical Officers, laboratory safety professionals, and administrators in POD, they jointly develop central policies and processes for the safe and seamless operation of laboratories in SIT.

### **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:

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- 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:** 25 Jun 2025 Singapore Standard Time

**Applications close:** 24 Dec 2025 Singapore Standard Time

### Contact Information

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

### Contact

Singapore