

Professional Officer (All Levels) in Firmware / Software  
Engineering  
Singapore Institute of Technology

Direct Link: <https://www.AcademicKeys.com/r?job=225064>

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Posted Nov. 6, 2023, set to expire Jul. 5, 2024

**Job Title** Professional Officer (All Levels) in Firmware / Software  
Engineering

**Department** Professional Officers

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

**Date Posted** Nov. 6, 2023

**Application Deadline** Open until filled

**Position Start Date** Available immediately

**Job Categories** Professional Staff

**Academic Field(s)** Computer Science

**Job Website** <https://careers.singaporetech.edu.sg/cw/en/job/498547/professional-officer-all-levels-in-firmware-software-engineering>

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**Job Description**

## Professional Officer (All Levels) in Firmware / Software Engineering

**Job no:** 498547

**Department:** Professional Officers

**Contract type:** Contract

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### Job 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 degree in Computer Science or related Engineering discipline. Possessing a Masters degree, PhD degree and relevant certifications will be an added advantage.
- At least 10 years working experience in embedded firmware and/or software applications in an engineering environment.
- Knowledge in Vue, High chart software or MQTT will be advantageous.
- Proficient in programming languages such as C#, C/C++, Python and Java
- Hands-on experience in embedded system design and implementation (IoT, sensors, Single Board Computers, Microcontroller)
- Knowledge related to Machine Learning or AI will be advantageous.
- Work independently, as well as within a team, to ensure that the project can meet the milestones adhering to the stipulated timeline
- Extensive experience and knowledge of industry practices to bring industry perspective to SIT.
- 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:** 06 Nov 2023 Singapore Standard Time

**Applications close:** 06 May 2024 Singapore Standard Time

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**Contact Information**

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

**Contact**

Singapore