

Professional Officer (All Levels) (Electronics Engineering)
Singapore Institute of Technology

Direct Link: <https://www.AcademicKeys.com/r?job=227742>

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Posted Dec. 18, 2023, set to expire Jul. 5, 2024

Job Title Professional Officer (All Levels) (Electronics Engineering)
Department Professional Officers
Institution Singapore Institute of Technology
Singapore, , Singapore

Date Posted Dec. 18, 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/498578/professional-officer-all-levels-electronics-engineering>

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Job Description

Professional Officer (All Levels) (Electronics Engineering)

Job no: 498578

Department: Professional Officers

Contract type: Contract

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Key Responsibilities

- Design and teach labs & practice modules.

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- 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.

Job Requirements

- A good degree with a major in Electronics Engineering or a related field. Masters, PhD and/or relevant professional certifications would be advantageous.
- Deep technical specialist with 10 or more years of working experience in development / R&D or related areas in electronics (Digital / Analog / Consumer / Embedded Systems) would be preferred.
- Experience in following areas is highly desirable.
 - Hands-on experience in developing, implementing applications, principles and programming in areas of embedded systems, IoT/IIoT, control systems, etc.
 - Constructing circuit schematics to layouts and development with both active and passive components, incl. knowledge of PCB routing, fabrication and prevalent IPC standard.
 - Hands-on competency in testing and designing electronic circuits, and integrating circuits and their systems.
- Advantageous to have prior knowledge in areas such as:
 - Microcontroller programming (C/C++, Python, LabView) and firmware development.
 - Working experience with IoT, data analytics, artificial intelligence, machine learning, etc.
- Extensive hands-on 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: 18 Dec 2023 Singapore Standard Time

Applications close: 17 May 2024 Singapore Standard Time

Contact Information

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

Contact

Singapore