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

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
Apply By Email	
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.

- 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