

Professional Officer (All Levels) (Electronics Engineering -
SPICE / RaPID)
Singapore Institute of Technology

Direct Link: <https://www.AcademicKeys.com/r?job=234847>

Downloaded On: Jul. 3, 2024 3:45am

Posted Apr. 18, 2024, set to expire Aug. 18, 2024

Job Title Professional Officer (All Levels) (Electronics Engineering - SPICE / RaPID)

Department Professional Officers

Institution Singapore Institute of Technology
Singapore, , Singapore

Date Posted Apr. 18, 2024

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/498644/professional-officer-all-levels-electronics-engineering-spice-rapid>

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Job Description

Professional Officer (All Levels) (Electronics Engineering - SPICE / RaPID)

Job no: 498644

Department: Professional Officers

Contract type: Contract

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Key Responsibilities

- Participate and manage the industry project with Principal Investigator (PI), Co-PI and team members to ensure all project deliverables are met
- Involve in customer engagements, includes gathering of systems requirements and formulate scope
- Involve in the full development life cycle, i.e., design, development, and testing
- Generate technical proposals, design documents, test documents

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 / Power / Consumer / RF / Embedded / Communication Systems) would be preferred.
- Experience in following areas is highly **desirable** but not compulsory.
 - Constructing circuit schematics to layouts and development with both active and passive components.
 - Knowledge of PCB routing and fabrication and IPC standard will be an added advantage.
 - Deep, hands-on competency in testing and designing electronic circuits, and integrating circuits and their systems.
 - Hands-on experience in implementing applications, principles and algorithms in area of control system, signal processing, telecommunication, electric power control, network analysis etc.
 - Experience in design for manufacturability and testability.
 - Experience in applying for grants.
- Advantageous to have prior knowledge in areas such as:
 - Microcontroller programming (C/C++, Python, LabView) and firmware development, VHDL/FPGA.
 - Working experience with IoT, data analytics, artificial intelligence, machine learning, etc. 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.
- Keen interest in innovation projects, with demonstrated ability in developing solutions to technical problems.

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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 Apr 2024 Singapore Standard Time

Applications close: 31 Oct 2024 Singapore Standard Time

Contact Information

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

Contact

Singapore