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

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Posted Jul. 3, 2023, set to expire Jul. 5, 2024

Job Title	Professional Officer (All Levels) (Electronics Engineering - RaPID/SPICE)
Department	Professional Officers
Institution	Singapore Institute of Technology
	Singapore, , Singapore
Date Posted	Jul. 3, 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/498455/professional-officer-all-levels-electronics-engineering-rapidspice
Apply By Email	
Job Description	

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

Job no: 498455
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 8 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.
  - Constructing circuit schematics to layouts and development with both active and passive components.
  - Knowledge of PCB routing and fabrication and IPC standard.
  - 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.
- Advantageous to have prior knowledge in areas such as:
  - Microcontroller programming (C/C++, Python, LabView) and firmware development, VDHL/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.
- Demonstrate proficiency to keep abreast of development in the field and pursue professional

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certification programs. Possess industrial certifications in relevant areas will be an added advantage.

Apply now
Advertised: 03 Jul 2023 Singapore Standard Time
Applications close: 31 Dec 2023 Singapore Standard Time

Contact Information

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

Contact

Singapore