

Professional Officer (All Levels) (Mechanical Engineering
& Design)
Singapore Institute of Technology

Direct Link: <https://www.AcademicKeys.com/r?job=227722>

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

Job Title Professional Officer (All Levels) (Mechanical Engineering & Design)

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) Mechatronics
Mechanical Engineering

Job Website <https://careers.singaporetech.edu.sg/cw/en/job/498577/professional-officer-all-levels-mechanical-engineering-design>

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Job Description

Professional Officer (All Levels) (Mechanical Engineering & Design)

Job no: 498577

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 in Mechanical Engineering or a related field. Masters, PhD and/or relevant professional certifications like registered PE would be advantageous.
- Deep technical specialist with 10 or more years of working experience in mechanical design, systems design or related area in mechatronics would be preferred.
- Experience in following areas are highly desirable:
 - Mechanical systems development and integration
 - Material and components selection including working knowledge with integration and selection of components/systems such as actuators, pumps, hydraulics system
 - CAD software such as SolidWorks and PTC Creo
 - Simulation such as Finite element and CFD simulation
 - Hands-on prototyping and fabrication skills to guide students in labs
- It will be advantageous with working knowledge of
 - Material testing and material properties
 - Control and PLC systems
 - Software such as Ansys and Abaqus
- 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

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Contact Information

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

Contact

Singapore