

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

Direct Link: <https://www.AcademicKeys.com/r?job=216052>

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Posted Jun. 30, 2023, set to expire Jul. 5, 2024

Job Title Professional Officer (All Levels) in Mechanical Engineering and Design

Department Professional Officers

Institution Singapore Institute of Technology
Singapore, , Singapore

Date Posted Jun. 30, 2023

Application Deadline Open until filled

Position Start Date Available immediately

Job Categories Lecturer/Instructor

Academic Field(s) Mechanical Engineering

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Job Description

Professional Officer (All Levels) in Mechanical Engineering and Design

Job no: 498118

Department: Professional Officers

Contract type: Contract

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Key Responsibilities

1. Design and teach labs & practice modules.
2. Mentor students in Capstone Projects and the Integrated Work Study Programme (IWSP).
3. Lead or co-lead innovation projects with industry.
4. Manage labs and equipment to support academic programmes and applied research.
5. Ensure safety in labs

Job Requirements

1. A good degree in Mechanical Engineering or a related field. Masters, PhD and/or relevant professional certifications like registered PE would be advantageous.
 2. Deep technical specialist with 10 or more years of working experience in mechanical design, systems design or related area in mechatronics would be preferred.
 3. 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
 - Finite element and CFD simulation
 - Prototyping and fabrication
- Material testing and material properties knowledge will be advantageous
 - Working knowledge of control and PLC systems will be advantageous
 - Experience with software such as Ansys and Abaqus will be advantageous
 - Extensive 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: 05 Jan 2023 Singapore Standard Time

Applications close: 03 Nov 2023 Singapore Standard Time

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Contact Information

Please reference Academickeys in your cover letter when
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Contact

Singapore