

Research Fellow/Engineer (Mechanical) - EL2 Singapore Institute of Technology

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Posted Sep. 6, 2023, set to expire Jul. 5, 2024

Job Title Research Fellow/Engineer (Mechanical) - EL2

Department Engineering

Institution Singapore Institute of Technology
Singapore, , Singapore

Date Posted Sep. 6, 2023

Application Deadline Open until filled

Position Start Date Available immediately

Job Categories Professional Staff

Academic Field(s) Mechanical Engineering

Job Website <https://careers.singaporetech.edu.sg/cw/en/job/498499/research-fellowengineer-mechanical-el2>

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Job Description

Research Fellow/Engineer (Mechanical) - EL2

Job no: 498499

Department: Engineering

Contract type: Contract

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As a University of Applied Learning, SIT works closely with industry in our research pursuits. Our research staff will have the opportunity to be equipped with applied research skill sets that are relevant

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to industry demands while working on research projects in SIT.

The primary responsibility of this role is to deliver on an industry innovation research project where you will be part of the research team to design and develop a novel test method for inspecting anchor bolts.

Key Responsibilities

- Participate in and manage the research project with Principal Investigator (PI), Co-PIs and the research team members to ensure that project deliverables are met.
- Undertake a number of the following primary responsibilities in the project:
 - i. design customised test probes for anchor bolts
 - ii. develop test instrumentation and inspection process for practical application on-site
 - iii. experiment the developed test system on damaged anchor bolts to analyse results and measure system performance
 - iv. co-supervise students who are working on the research project
 - v. present project outputs through progress reports, technical publications and seminars
- Carry out Risk Assessment, and ensure compliance with Work, Safety and Health Regulations.
- Coordinate procurement and liaison with vendors/suppliers for equipment and materials required in the project.
- Work independently, as well as within a team, to achieve project milestones.

Job Requirements

- Have a Bachelor's degree related to Mechanical Engineering while a related Master's or PhD degree is advantageous
- Possess at least 1 year of experience in R&D for a relevant field of engineering but this is not mandatory

Key Competencies

- Able to build and maintain strong working relationships with people within and external to the university to facilitate smooth project progression
- Self-directed learner who believes in continuous learning for professional development through project activities like literature research and experiments
- Proficient in technical writing and oral presentation to effectively communicate the project outputs through progress reports, publications and seminars
- Possess strong analytical and critical thinking skills to solve engineering problems related to the project

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- Show strong initiative, motivated and take ownership of work to achieve project objectives

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Advertised: 06 Sep 2023 Singapore Standard Time

Applications close: 01 Jan 2024 Singapore Standard Time

Contact Information

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

Contact

Singapore