

**Project Officer (Mechanical Engineering)
Nanyang Technological University**

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Posted Feb. 8, 2024, set to expire Jun. 8, 2024

Job Title	Project Officer (Mechanical Engineering)
Department	School of Mechanical & Aerospace Engineering (MAE)
Institution	Nanyang Technological University Singapore, , Singapore
Date Posted	Feb. 8, 2024
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Professional Staff
Academic Field(s)	Mechanical Engineering
Job Website	https://ntu.wd3.myworkdayjobs.com/en-US/Careers/details/Project-Officer--Mechanical-Engineering-_R00016125
Apply Online Here	https://ntu.wd3.myworkdayjobs.com/en-US/Careers/details/Project-Officer--Mechanical-Engineering-_R00016125
Apply By Email	
Job Description	

The School of Mechanical & Aerospace Engineering (MAE) invites applications for the position of Project Officer. The Project Officer will work on a project to conduct research and development work on reinforcement learning to study the role of chemotaxis and phototaxis in algal bloom initiation.

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Key Responsibilities:

- Develop an algae characterization and enumeration device
- Carry out experiment on lab-on-chip microfluidics technology
- Record, analyze and publish scientific results
- Fabricate microfluidics devices in PDMS or shrink film
- Active participation in writing research proposal and grants reports
- Integrate and design prototype for algae lab-on-chip culturing and enumeration.

Job Requirements:

- Bachelor degree in Mechanical Engineering, or related field
- Minimum 1-year research experience in lab-on-chip technologies and biosensors
- Expertise in microfluidics system, lab-on-chip and device integration
- Previous experience in fabrication and optimization of microfluidic devices using advanced materials.
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Expertise in CAD drawing, machining, mechanical testing and 3D printing

- Previous experience in precision tools to design and create intricate microchannel patterns.
- Publication track record is an advantage
- Proficiency in basics of programming languages such as C, C++, Matlab and Python
- Excellent proficiency in writing and spoken English

We regret that only shortlisted candidates will be notified.

Contact Information

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

Contact

Singapore