

Senior Research Engineer I (Avionics Engineering)
Nanyang Technological University

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Posted Feb. 21, 2024, set to expire Jun. 22, 2024

Job Title	Senior Research Engineer I (Avionics Engineering)
Department	School of Mechanical and Aerospace Engineering
Institution	Nanyang Technological University Singapore, , Singapore
Date Posted	Feb. 21, 2024
Application Deadline	Open until filled
Position Start Date	Available Immediately
Job Categories	Professional Staff
Academic Field(s)	Electrical and/or Electronics
Job Website	https://ntu.wd3.myworkdayjobs.com/en-US/Careers/details/Senior-Research-Engineer-I--Avionics-Engineering-_R00016278
Apply Online Here	https://ntu.wd3.myworkdayjobs.com/en-US/Careers/details/Senior-Research-Engineer-I--Avionics-Engineering-_R00016278
Apply By Email	
Job Description	

The School of Mechanical & Aerospace Engineering (MAE) is seeking enthusiastic individuals as Senior Research Engineer I with exceptional credentials to join a vibrant and dynamic research group undertaking fundamental research into eVTOL Technologies.

The work is carried out at the eVTOL Research and Innovation Centre at Nanyang Technological University, Singapore. The environment provides excellent training in a highly motivated working

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environment with state-of-the-art facilities.

Key Responsibilities:

- Design, development, and integration of avionics systems for advanced eVTOL project, ensuring seamless integration of avionics components with other aircraft systems.
- Oversee the design and development of avionics hardware, including sensor integration and communication interface control.
- Design a new ground station together with the supplier to operate the eVTOL
- Manage software development for avionics systems, ensuring compliance with safety and performance standards.
- Develop and implement a testing plan to verify the functionality and reliability of avionics systems.
- Conduct system testing, and troubleshooting, and participate in flight testing as needed.
- Prepare and maintain comprehensive documentation, including technical specifications, test plans, test reports and operation manual.
- Manage suppliers, and communicate project status and technical information to both technical and non-technical stakeholders.

Job Requirements:

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Bachelor's or master's degree in electrical engineering, Aerospace Engineering, or any related field.

- Minimum 3 years' experience in avionics engineering with a focus on system design and integration, experience in ground station development is preferred.
- Experience with testing and verification of avionics systems.
- Familiarity with industry regulations and certification processes.
- Excellent communication and collaboration skills.
- Fluent English skill is a must.

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