

NUS Safety and Resilience Research Unit (SaRRU) Centre for Project and Facilities Management

Position:	PhD Research Scholar
PhD Scholarship:	Industry Relevant Research Scholarship
Department:	Department of the Built Environment, College of Design and Engineering
Project Title:	Analytics-based approach to improving construction safety and health management
Period of Scholarship:	4 year full-time, scholarship to start in August 2024
Industry Partner:	<u>Changi Airport Group (CAG)</u>

Scholarship Overview:

For all nationalities, but Singaporeans and Singapore Permanent Residents preferred.

- Stipend per month for 4 years:
 - Singapore citizen: S\$2,800 + CPF
 - Singapore permanent resident (SPR): S\$2,400
 - Non-Singaporeans/ Non-PRs: S\$2,200
- S\$500 top-up after passing PhD Qualifying Examination (applicable to all students)
- Tuition fee subsidies for 4 years

***The industry partner will provide their domain expertise, data, and access to construction site.**

Requirements:

- Excellent bachelor's (Honours (Highest distinction) or Honours (Distinction) or equivalent and above) and/or master's degree in construction management, project and facilities management, civil engineering, computing, machine learning or related field
- GRE aggregate of 320 for verbal reasoning and quantitative reasoning and 3.5 for analytical writing
- IELTS (≥ 94) or TOEFL (≥ 7.0) is required if the medium of instruction at the university is not English
- Non-Singaporeans/non-PRs need to fulfil 416 hours under the Graduate Assistantship Programme

Other Requirements:

- Knowledge of Python and data analytics
- Willing to learn, independent and responsible, and
- Strong English writing and communication skills

Candidates with the following will be **preferred** (not compulsory):

- Prior experience with machine learning and R
- Publications in peer-reviewed journals with high impact factor, and
- Work experience in construction or other heavy industry

Principal Investigator (Contact Person):

Associate Professor Goh Yang Miang; bdggym@nus.edu.sg; +65 6601 2663

Interested parties may email your resume, programming portfolio, publications, dissertation (if applicable), and GRE score (if applicable) to the Principal Investigator. The position will be open until filled or 31st March 2024 (whichever is earlier).