



Singapore-MIT Alliance for Research and Technology



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Do you like to develop solutions to practical problems?

Are you interested in:

- Air pollution and haze
- Environmental health
 - Urban heat

Be part of the solution and join the:

Singapore Environmental Health Hackathon

Who: MIT, NUS, NTU, SUTD students

When: July 5 - 7, 2016

Where: National University of Singapore

Apply by **April 21st**, 2016

Accommodation and travel covered

Questions? Contact sghack@mit.edu

Information & Application: <https://goo.gl/9kqyMN>





Singapore Environmental Health Hackathon

July 5 - 7, 2016 • National University of Singapore Campus, Singapore

Singapore is a highly developed, urbanized country facing a number of serious environmental health challenges. Human activities such as transportation, industrial operations, and forest fires result in poor air quality that can disrupt schools, businesses, and outdoor recreation. In addition, the densely built-up urban landscape of Singapore leads to localized areas of uncomfortably high ambient temperatures. Both of these environmental issues can degrade Singaporeans' quality of life and put human health at risk. The good news is that *you* can be part of the solution, by hacking Singapore's environmental health!

The Singapore Environmental Health Hackathon will take place during July 5 - 7, 2016 on the campus of the National University of Singapore (NUS), and will bring together student hackers from the Massachusetts Institute of Technology (MIT), NUS, Nanyang Technological University (NTU) and the Singapore University of Technology and Design (SUTD). The goal of the Hackathon is to develop creative solutions to the practical environmental problems of air pollution and urban heat, which could ultimately result in enhanced quality of life and improved public health outcomes in Singapore.

The Hackathon will begin with a half-day crash course in the environmental challenges facing Singapore, with lectures by experts from MIT, the Singapore universities, the Singapore-MIT Alliance for Research and Technology (SMART), and relevant authorities from Singapore. Teams of 4-5 students will be formed according to the specific environmental challenge of interest to the team members. The following two and a half days will be devoted to developing solutions to the selected problems under the guidance and technical assistance of a mentoring team led by faculty members from MIT, SMART and CENSAM. Finally, the Hackathon will culminate in formal team presentations to an expert panel, and prizes will be awarded to the top performing teams. There will also be time to explore Singapore in the days following the Hackathon for participants from MIT.

Any undergrad or graduate student at MIT, NUS, NTU or SUTD with a strong interest in environmental issues is eligible to apply. This is an excellent opportunity for students who are motivated to: tackle a real-world problem of practical interest to stakeholders in Singapore; generate and develop creative ideas for environmental solutions on an interdisciplinary team; collaborate and cultivate new connections with international counterparts, and; put into practice the technical skills learned during the semester. Successful applicants' travel and housing costs will be covered. Please apply by filling out the application form (<https://goo.gl/9kqyMN>) by April 21, 2016, and sending your CV to sghack@mit.edu. Any additional questions can be sent to the same email address.