



## CAMPUS HAPPENINGS



### Launch of Centre for Sustainability Education in NTU – CIFAL Singapore

In partnership with the [United Nations Institute for Training and Research \(UNITAR\)](#), NTU has established a training centre to offer a range of learning opportunities on sustainability education and facilitate knowledge sharing between government officials and leaders from different Asia Pacific countries. NTU was selected to host this International Training Centre for Authorities and Leaders (**CIFAL Singapore**), the only such centre in the country. It joins 30 other international training centres in the global CIFAL network. The partnership was inked on 25 April 2023 at UNITAR's headquarters in Geneva, Switzerland, between Mr Nikhil Seth, United Nations Assistant Secretary-General and Executive Director of UNITAR, and Professor Ling San, NTU Deputy President and Provost. The signing ceremony was also witnessed by His Excellency Mr Umej Singh Bhatia, Ambassador Extraordinary and Plenipotentiary, Singapore's Permanent Representative to the United Nations Office in Geneva.

Click [HERE](#) for more details.



### Let's *Connect, Collaborate and Co-create in Sustainability*

NTU Entrepreneurship Academy will be celebrating the close of the inaugural [Kumar Sustainability & Innovation Prize 2023](#) on **18 May 2023 (Thu)**. Join in for a sustainability-themed forum, interactive fun, and free coffee and light bites. Find out who will be the Top 3 teams to walk away with prizes worth \$100,000 at the Award Ceremony! [Register by 8 May](#) to receive a door gift.



## Singapore India Hackathon 2023

Singapore India Hackathon 2023 is organised by NTU Singapore and the Indian Ministry of Education's All India Council for Technical Education (AICTE), with the aim to foster collaboration between students and start-ups from both countries in the areas of fintech, sustainability, and environmental, social and governance (ESG). This year's hackathon was launched by Guests of Honour Shri Dharmendra Pradhan, India's Minister of Education, Skill Development and Entrepreneurship, and Mr Gan Kim Yong, Singapore's Minister for Trade and Industry, on 13 March 2023. Join in the Singapore India Hackathon 2023 and submit your proposal by 14 May.

Click [HERE](#) for more details.

## EDUCATION



### Driving Sustainability in Green Technology - The Future of Smart Building and Smart City

[PaCE@NTU](#), the Centre for Professional and Continuing Education, has teamed up with the Global Green Connect Academy to present a sustainability course named "Driving Sustainability in Green Technology – The Future of Smart Building and Smart City." Starting on May 15th, this course will teach participants about essential corporate sustainability concepts, standards, guidelines, and frameworks related to Smart City and Smart Building planning. Business professionals from any sector who are responsible for driving sustainability initiatives in their organization, as well as mid-career individuals looking to acquire green sector skills, are welcome to enroll.

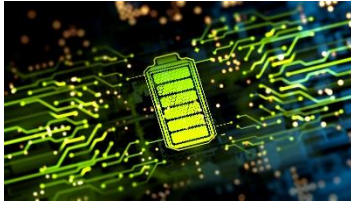
Click [HERE](#) for more details.



### NTU-University Scholars Programme to Chang Mai, Thailand

During 4 – 9 December 2022, [NTU-University Scholars Programme](#) students ventured to Chiang Mai, Thailand, as part of their module *Fieldwork and Documentation: Topics in Sustainability* to explore the region's sustainability issues through a team-based, interdisciplinary lens. Students collected data to address research questions about sustainable agriculture, sustainable tourism, sustainable business & trade, heritage & sustainable development, and sustainable health. The students' projects cumulated in a mixed media exhibition held in Lee Wee Nam Library during March-April 2023. The course is coordinated by Dr Rebecca M. Nichols and co-taught by Prof May O. Lwin and Associate Prof Jesvin Yeo.

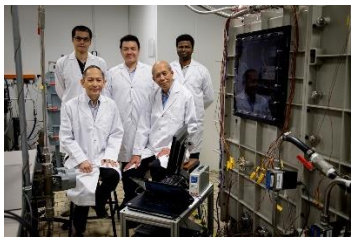
## RESEARCH HIGHLIGHTS



### NTU Singapore partners Se-cure Waste Management for a pilot recycling plant to tackle lithium-ion battery waste

Following a successful proof-of-concept to recycle spent lithium-ion batteries using reagent extracted from discarded fruit peels, NTU Singapore is partnering Se-cure Waste Management, a Singapore battery recycling and processing firm, to scale up the technology in a pilot recycling plant. The scientists from the NTU Singapore-CEA Alliance for Research in Circular Economy (SCARCE), who developed the technology of using fruit peel waste to tackle battery waste, is also looking into using other types of biomass waste.

Click [HERE](#) for more details.



### Spray cooling lowers carbon footprint for data centres

NTU Singapore scientists have invented a more sustainable and greener method to cool servers in data centres, which can potentially reduce up to 26 per cent in both energy costs and carbon footprint. The innovation uses a special spray of non-conductive fluids to cool the CPU directly without a heatsink, through a combination of highly efficient heat removal mechanisms. It will also allow CPUs to run faster and perform better by carrying away more heat than conventional air cooling.

Click [HERE](#) for more details.



### Green Hiring in Firms

How can we tell if a firm is genuinely green or greenwashing? Assoc Prof Kelvin Law and Asst Prof Alper Darendeli from NBS Accounting division proposed the *Green Score* as a metric to measure a firm's actual environmental efforts. The score assesses firms' demand for green skills by focusing on environmental-related skills mentioned in job postings. Their research shows how firms that create more green jobs experience higher levels of future profitability and generate more high-quality green patents.

Click [HERE](#) for more details.

## OTHER EVENTS



### Tropical Forest Sceneries: Singapore & Beyond Exhibition

**Event Date:** Now till 17 Sep 2023, 9:00AM – 6:00PM

**Details:** Click [HERE](#) for more details

Visit the *Tropical Forest Sceneries: Singapore & Beyond* exhibition organised by [Nparks](#) at Singapore Botanic Gardens, to find out more about the changing forest sceneries in Singapore. A wide range of artefacts such as paintings and photographs depicting the scenes

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of verdant abundance, deforestation and reforestation will be displayed.

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### Skyrise Greenery Tour

**Event Date:** 20 May 2023, 9:00AM – 10:00AM

**Details:** Click [HERE](#) for more details

Interested to learn more about the social and ecological importance of skyrise greenery in our urban built environment? Join in the tour organised by [NParks](#) and explore the green facades around HortPark and the revamped green roof at the HortCentre.

## YOU CAN GO GREEN TOO!

### Singapore's Sustainability Journey



Click [HERE](#) to find about Singapore's various sustainability initiatives from 1972 till now.

### Carbon Footprint Calculator by SPGroup



Click [HERE](#) to track your carbon footprint and find out how to reduce it.

## STAY IN TOUCH WITH US



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MAY 2023