

REALumni E-Newsletter

IN THIS ISSUE

WELCOME NOTE

WE ARE NOW ON
INSTAGRAM!

RENAISSANCE NIGHT
2018

FORMATION OF
REALUMNI PROTEM
COMMITTEE

STUDENTS'
ACHIEVEMENTS

ALUMNI STORIES



Welcome Note

Dear REALumni,

Happy New Year 2019! The start of a new year always seems to bring a sense of positivity and energy. We hope your new year is off to a good start and would like to wish you and your family a happy and prosperous Chinese New Year!

Our heartiest congratulations to R4 on the completion of the REP journey and we are thrilled to welcome all of you to our REALumni family.

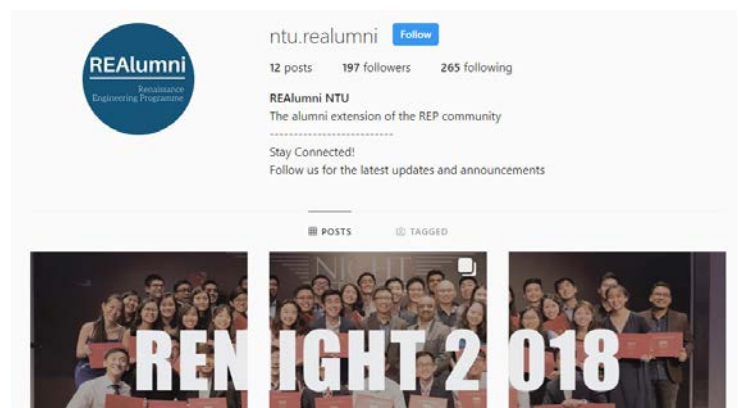


We are now on Instagram!

We are pleased to announce that we are now on Instagram!

Follow REALumni account (@ntu.realumni) for the latest updates and announcements.

Special thanks to Oo Guolin (R4) for taking the initiative to create the account.



REnaissance Night 2018



The annual dinner was held at Marriot Tang Plaza Hotel on 12 December 2018.

Professor Kam Chan Hin, Deputy Provost (Education) kicked off the night with his welcome address followed by an opening address by Professor Lalit Goel, Director of REP. We had some awesome performances by our REP students that livened up the evening followed by the award/certificate presentations and lucky draw. The night eventually ended with the graduation speech by Oo Guolin.

We hope everyone had an amazing night. Well done, R4! We look forward to seeing you at the NTU Convocation 2019 on 24 July 2019.

Formation of REALumni Protem Committee

In August 2018, we had a gathering of alumni who were interested to discuss the alumni committee formation at the Singapore Recreation Club (SRC), and on the day itself our very first REALumni Protem Committee was formed.

Members of the Protem Committee are May Lim (R1), Low Kun Sheng (R1), Kevin Seng (R2), Daryl Teo (R2), Sudswong Nath (R3), Amber Tan (R3), Danny Soo (R3), Yang Yang (R3), Melvyn Sng (R3) and last but not least, Oo Guolin (R4).

The Protem Committee has also filled two key positions of the Executive Committee (EXCO) of REALumni Association, Sudswong Nath (R3) as the President and Bobie Arifin (R3) as the Vice-President.

We greatly appreciate everyone who agreed to contribute their time and efforts to be part of this committee.

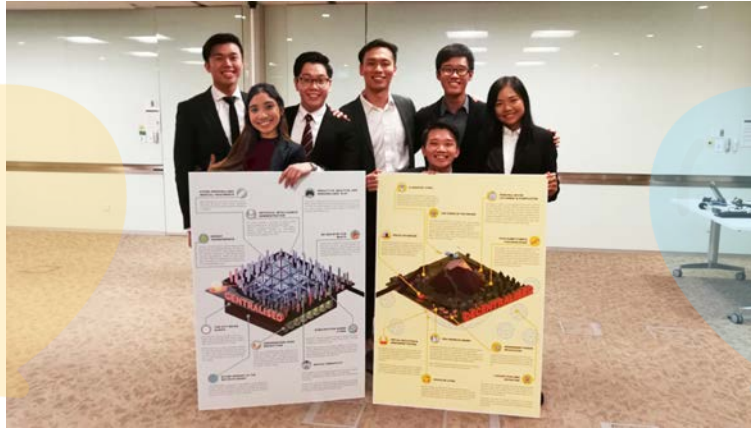


(Left) Kwok Weng, Prof Geoffrey Chua, Melvyn, Yang Yang, Nath, Amber, Kevin, May, Kun Sheng, Daryl and Danny



Students' Achievements

Shell Imagine the Future Scenario Competition 2018/2019 (17 January 2019)



Congratulations to Kam Jun Hao, Jeshua Lin, Mao Jiawei, Jason Lee, Mark Wei and Nithya Krishnan (R7) for winning the National Championship.

Shell's Imagine the Future Scenario Competition challenges teams to build scenarios to imagine the future of cleaner energy in Asian cities and how we would live, work, and play in that future.

The team envisioned the future of energy usage in a world largely dictated by climate degradation. Using Mumbai as a case study, they first identified the critical trends taking place in the Asia-Pacific Region today, before analysing how these trends would interact with each other to take us from 2020 to 2050, culminating in two unique scenarios, Centralised World and Decentralised World.

Melco International Student Hackathon (December 2018 - January 2019)

Melco International Student Hackathon is organised by Melco to search for innovators who will build solutions to improve and innovate their services, thus enhancing the customers experience in their properties.


The team came up with MARCO which is a personal assistant loaded on a smartphone that sees the user through their stay in Melco's resorts. The application also includes an Augmented Reality enabled camera that provides navigation assistance and enhances the user experience through animated advertisements and interactive AR content.



Congratulations to Ang Yang (R5), Chen Wei Jian (R5), Gwyneth Ang (R7) and Thong Hoi Wei (R7) (from left) for winning the Champion and a cash prize of USD \$5000.

CIMB 3D Conquest (December 2018 - January 2019)



 Congratulations to Chuan De Sheng, Chen Wei Jian, Ang Yang and See Jie Xun (R5) (from left) for winning the 2nd place and a cash prize of USD \$5000.

CIMB 3D Conquest is a team competition open to all young trailblazers in ASEAN countries who believe that their skills and innovative ideas can change the world of banking.


The challenge was to come up with a way of authenticating transactions through a digital token that would be generated by a user's mobile phone. The mobile phone may be located in a remote area, thus there was the added challenge of authenticating even without internet access. The team achieved this by utilising time-based one time passwords (TOTP), a cryptographic method which generates an OTP based on a shared secret key and epoch time. They then built a full stack solution which consists of a web-app and a mobile-app to support and run our transaction system.

Singapore-India Hackathon (12 – 14 November 2018)



This competition focused on campus issues, namely wayfinding, personal security, effective learning, effective communication, digital identity, space management, carpark availability and event management.

Liew Yi An Jordan and team came up with a web application – Dway for users to find their way on campus by offering optimised walking routes and recognising locations based on landmarks. They utilised web scrapping technologies to generate routes not found on current available services like Google Maps. The key considerations while developing Dway were practicality and UX.

 Congratulations to Liew Yi An Jordan (R7) (2nd from right) and team for winning the 2nd place and a cash prize of \$6000.

SCDF Lifesavers' Innovation Challenge 2018 (19 October 2018)



Congratulations to Ang Yang, Chen Wei Jian and Poh Yong Keat (R5) (from left) for clinching the 1st place and a cash prize of \$10,000.

The team has identified several points in the communication process that resulted in significant delay towards providing medical assistance to the patient. They thus proposed and created a system (WEAVE - Creating Connections | Saving Lives) that connects the three main stakeholders in any emergency situation: the caller, the operator and the paramedic, via video feed. The system enables a smoother information flow and constantly keeps all stakeholders in the loop. They also developed a mechanism that can modify existing AED alarms into IoT devices. The AED alarm can then be remotely activated by operators for Community First Responders (CFRs) to locate easily.



Interested to read more? Head over to our REP website for more articles on students' achievements. (<https://www.ntu.edu.sg/rep/Pages/default.aspx>)



Alumni Stories

The Global Undergraduate Awards 2018 (12 – 14 November 2018)

An REP student has once again won the Global Undergraduate Awards. Congratulations to Tan Li Ling (R4) for winning the award in 2018!

The Undergraduate Awards is the world's leading undergraduate awards programme which recognizes top undergraduate work, shares this work with a global audience and connects students across cultures and disciplines.

Tailorable properties of synthetic polymersomes have promised great potential for this vesicular carrier in drug delivery applications. This project by Tan Li Ling explored a high-throughput, tunable and reproducible means for fabricating polymersomes of good monodispersity via microfluidics.



Congratulations to Tan Li Ling for receiving the Global Undergraduate Awards 2018!

Book pod for short nap on NTU campus

Bill Pung Tuck Weng (R4) and his team came up with the idea to solve a problem that many students in Singapore face which is lack of sleep.

The team has tapped \$15,000 in NTU grants to secure a new rest pod, which has been sitting in the Lee Wee Nam Library since 29 August 2018. The rest pod has met with "positive" response. They will monitor the response to the pod over the next one to two months, and work with the library to see if it can become a permanent fixture. At the end of the study, the team will meet the school's administration to discuss whether more pods can be installed on campus.



The article can be found here:
<https://www.straitstimes.com/singapore/book-pod-for-short-nap-on-ntu-campus>

NTU graduating student team wins entrepreneurship competition



NTU Renaissance Engineering Programme (REP) student Heetesh Alwani (R4), together with his classmate Ang Wei Loong (R4), emerged as one of the top three teams to win the RHBHacks business competition with their customised luminous balloons. They plan to sell the merchandise and donate part of the proceeds to a nursing home which they have been visiting regularly since 2017.

Both of them will be selling the luminous balloons at the River Angbao 2019 at \$15. Please show your support and join them in their effort to raise funds for a good cause.

We would love to HEAR from you!

Do you have interesting stories to share or are planning to organise activities for your fellow alumni? Let us know - we will be glad to feature them in the e-newsletter. We welcome all suggestions and contributions for future issues. Simply email us at REALumni@ntu.edu.sg.





Update Your Contact Details



Changed job or mobile number? Do update your personal particulars by emailing us to receive this e-newsletter and latest news & announcements.

UPCOMING EVENTS

- | | |
|--|---|
|  NTU Open House
2 March 2019
(Saturday)
9.30am to 6.30pm |  Multiple Mini Interviews (MMI)
March - April 2019
(Saturdays)
9am to 1pm |
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If you wish to help out, please get in touch with REClub.

Connect with Us

Like us on our Facebook page at facebook.com/NTUREAlumni

