

what we do!
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NUS SEDS e-SLF Chat!

National University of Singapore Students for the Exploration and Development of Space

Welcome to NUS Space Club's e-SLF Chat! This is a central meeting room where you can be assigned into individual breakout rooms for the following projects:

- 1. Autonomy
- 2. Policy
- 3. Rocket
- 4. Rover

Please do remember to add [Project you are interested in] to the start of your Zoom Name to help us add you into the correct breakout room!

e.g. If I am interested in Rover, then my Zoom name should be [Rover] Dean Su

Please also feel free to ask questions in the chat for the common meeting room, if you have any or are unclear on which projects you might be interested in!

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Students for the Exploration and Development of Space

- largest student-run space organisation
- non-profit
- promote space exploration and development
- projects, events and programmes
- alumni: Jeff Bezos, Steve Wozniak and Peter Diamandis



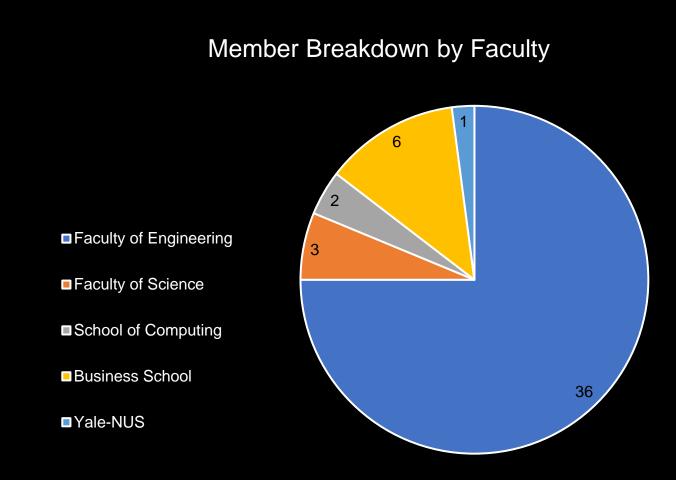
We come in Peace

- Officially launched 20th July '19, 50th anniversary of Apollo 11
- As of Jul '20, nearly 70 members
- 2 event series
 - talks
 - workshops
- 3 engineering teams
 - remotely operated vehicles
 - autonomous vehicles
 - rocketry team
- 1 space policy unit



Diverse and Passionate

- 51 students from a diversity of faculties, working on different projects that allows them to apply their academic knowledge to practical settings.
- Future recruitment oriented towards greater faculty diversity.



Vision

To be the rallying youth force that ushers in a new space age in Singapore and South East Asia

Mission

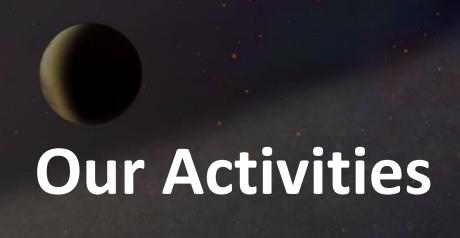
To inspire and empower young people in NUS and beyond to participate and make an impact in space exploration



Staff Advisors

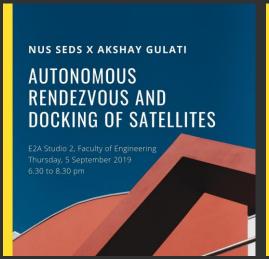
- We are fortunate to have the guidance of our advisors:
 - Professor Low Kay Soon,
 Department of Electrical and
 Computer Engineering, FoE
 - Mr. Eugene Ee, Innovation
 & Design Programme (IDP)

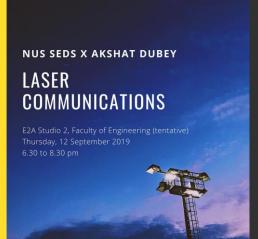


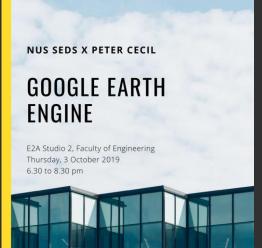


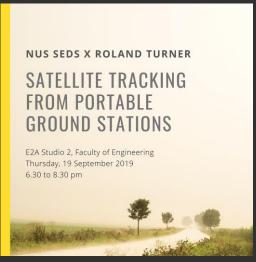
New Frontiers

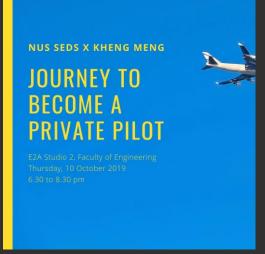
Talks • Free • Public • Pizzas* • Thursdays • ~20 members per session



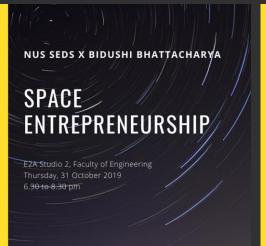














New Horizons

Workshops • Free • Public • Mondays*



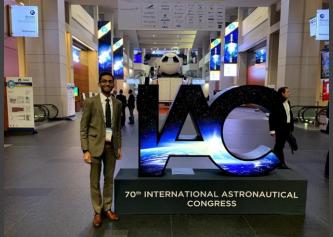




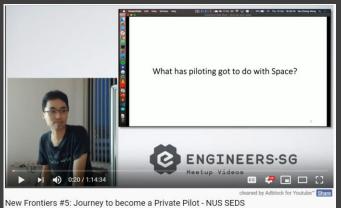




89 views • Oct 10, 2019



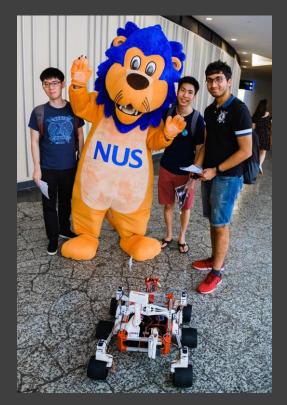


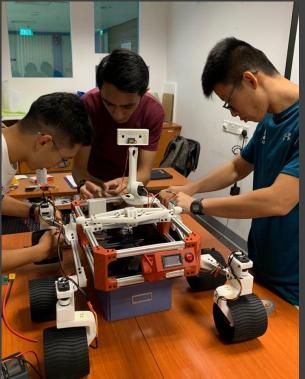


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NUS Rover Team

Developing next-generation

Mars rovers that will one day
work alongside human explorers in the
field

- University Rover Challenge
- New Spirit and New Opportunity
- Only team from South East Asia to have cleared URC's Preliminary Design Review
- Competing against Stanford, Cornell, IITs, and other international teams



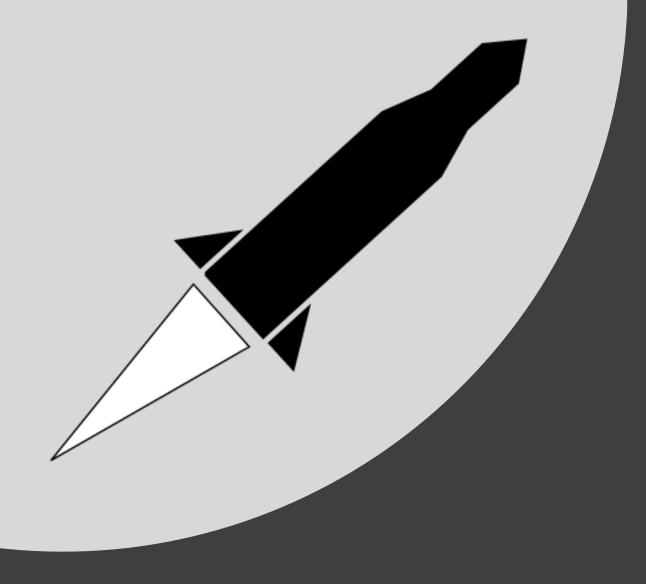




DARPA SubT Team

Developing next-generation robotic swarms that can produce a full 3D map of an underground space

- DARPA SubTerranean Challenge
- Multiple fully autonomous ground and aerial vehicles working in tandem
- One of 17 teams worldwide to have qualified for the Urban Circuit, against 22 competitors
- Competing against NASA, CMU, ETH Zurich
- Next milestone: Virtual Cave Circuit challenge



SEDS Propulsion Lab (SPL)

Goal: To design a high power chemical rocket to participate in the Spaceport America Cup competition and through the process spin off technology groups to further research and advance subsystems.

- Timeline:
- AY 2020/2021: Mission Design and Systems Sizing
- AY 2021/2022: Assembly, Integration and Testing
- Competition: Spaceport America 2022
- Projected Number of Students: 40-50

Space Policy Unit (SPU)

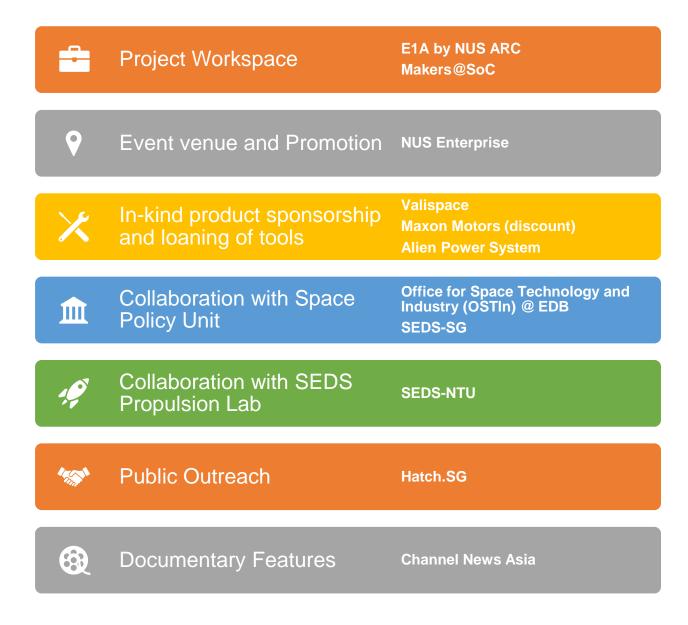
- **Goal:** To advance the cause of space through the study, proposal and development of policies.
- Current Work: To create a comprehensive public study comprising of insights from various stakeholders in the space industry in Singapore, and recommend policy based on that.
- Timeline:
- AY 2020/2021: Landscape Study, Space Law Mooting Competition Team

Space Hangouts and Launch Parties!

- Opportunity for NUS space community to get together and share our love for space
- Events:
 - Welcome Tea
 - SpaceX Crew Dragon Demo-1 Launch Party
 - Ad Astra movie outing
 - And more to come!



NUS SEDS Partnerships



Follow us!



Youtube:

- 25 subscribers
- Videos of New Frontiers talks and other SEDS events and accomplishments



Telegram: https://t.me/nusseds

- •100 members
- •Open to the community and serves as a platform for all things space-related



Facebook: https://www.facebook.com/nusseds

- 350 followers
- Used for announcements.



Instagram: https://www.instagram.com/nus_seds/

• Used for personal posts, community engagement



Website: http://www.nusseds.space

· Articles and a blog containing space content.

Only those who will risk going too far can possibly find out how far one can go. TS Eliot

Thank you.

NUS SEDS

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http://nusseds.space