

Satellites Improve Lives

PNST Webinar



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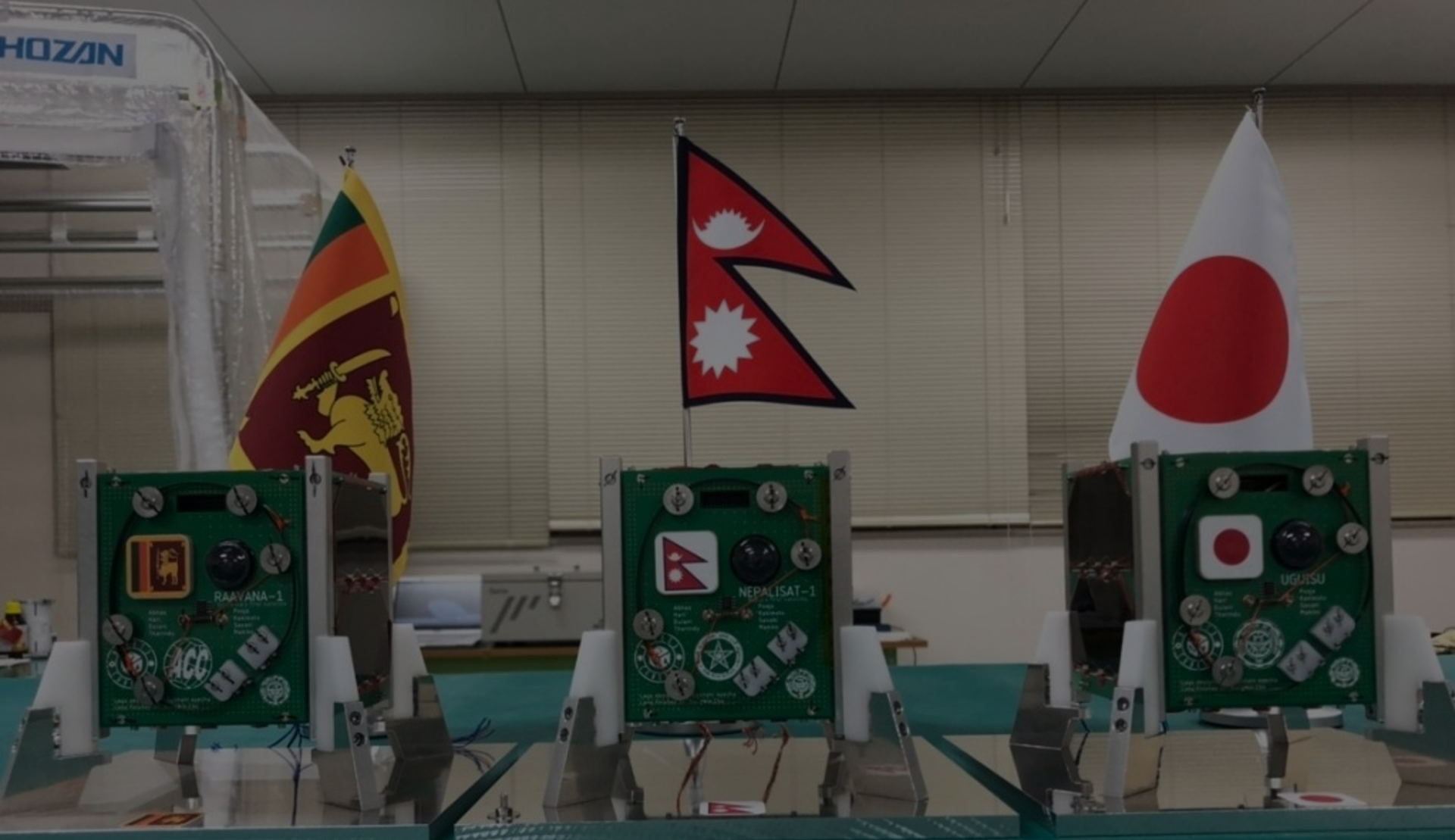


Introduction



- (Hons.) B.Sc. in Electrical and Computer Engineering (2013 – 2016)
- (Dist.) M.Sc. in Integrated Systems (2016 – 2019)
- M.Sc. in Space Engineering (2019 – present)
- International Intern at NASA Ames (2018)
- Future: Ph.D. in Space Engineering



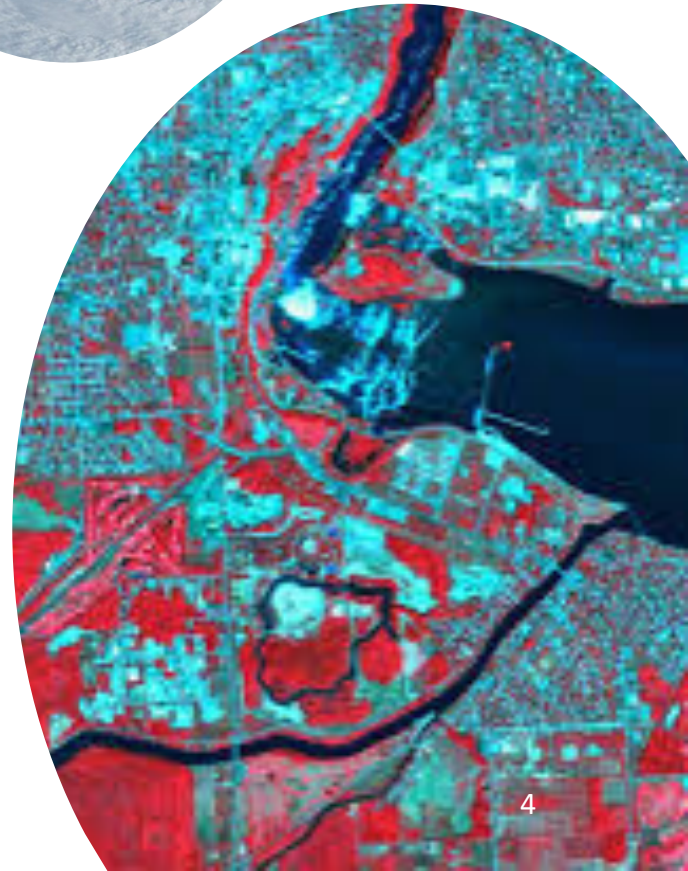



What are some applications of satellites and how can developing countries use them?



Satellite Applications

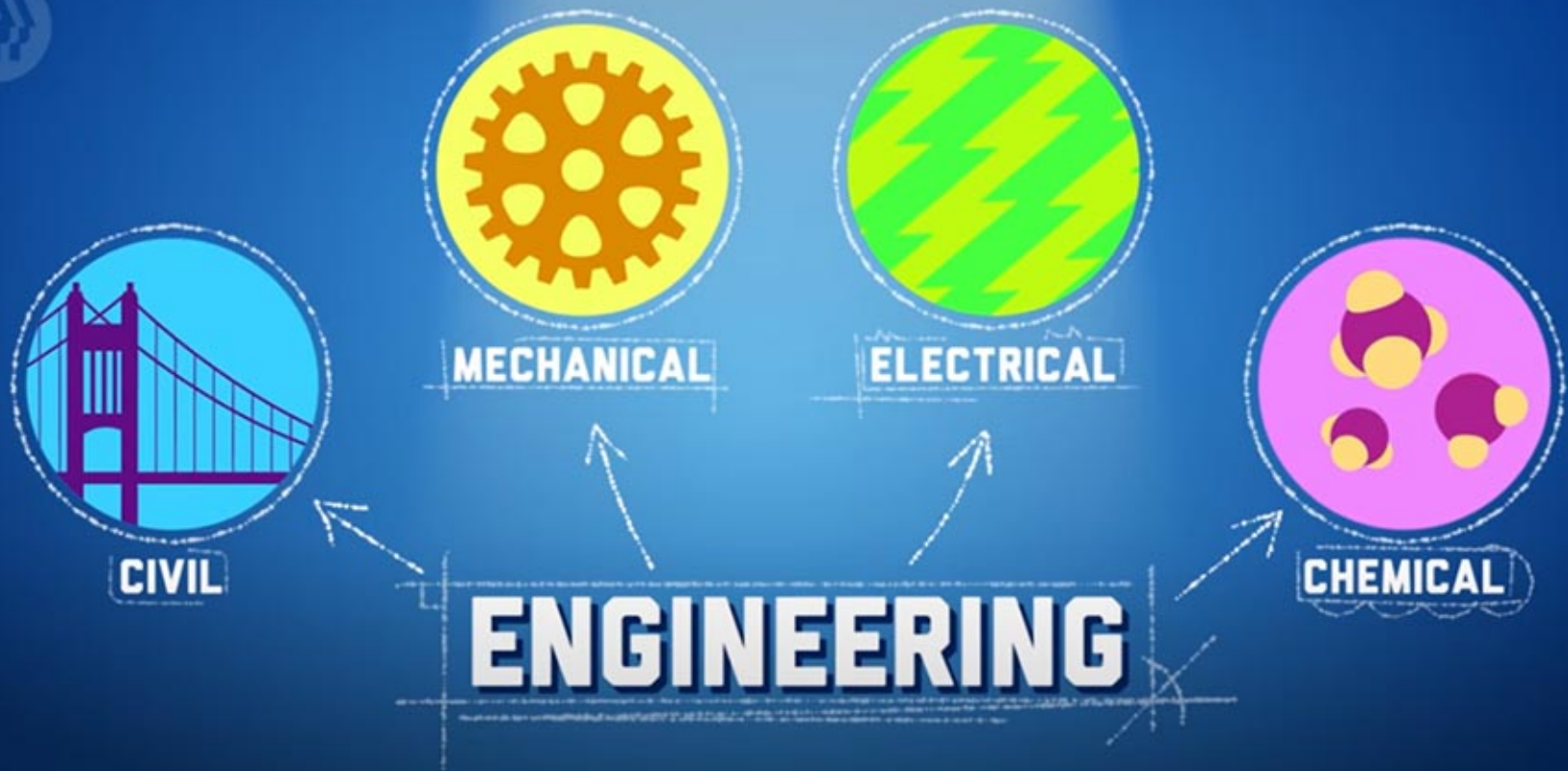
- Land Surveying
 - Multi-spectral Analysis
 - Environmental Analysis
- Communications
 - Internet
 - GPS
 - Television
- Weather Forecasting
 - Earth Monitoring
 - Data Collection





What are the
skills/education/
traits required to
build satellites?





Engineering Background and Passion for Space





**What are some
exciting things you
learned while
building satellites?**

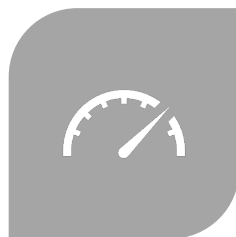




Knowledge Gained



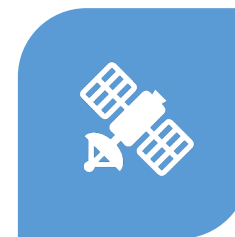
ORBITAL
DYNAMICS



HIGH SPEED
GAS DYNAMICS



SPACE SYSTEMS
ENGINEERING



SATELLITE
ENGINEERING





**What advice would you give to persons
interested in satellite development but don't
know where to start?**





Advice for Applicants

- Satellites come in many different shapes and sizes
- Reach every opportunity
- Making friends/contacts is just as important as studying
- Stress and hardship, makes you stronger



Thank you

