

Where do I come from?



[Vietnam as Seen From Space - Saigoneer](#)

Vietnam



South- East Asia

331,200 km²

S-Shape with a
long coastline

Self-Introduction



Name: Pham Anh **MINH**

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Academic Journey:

- 2008: Electrical and Electronic Engineering, Hanoi University of Science and Technology.
- 2015: System Engineering, Graduated school for System Design and Management, Keio University.
- 2020: System Engineering, Kyushu Institute of Technology

Occupation:

- Have been working in satellite development domain since 2014 as a software and system engineer in Vietnam National Space Center



How do I know Kyutech?

The MicroDragon project in 2015 developed by the students at 5 universities in Japan

- Hokkaido University: Payload system
- Tohoku University: Attitude Determination and Control System
- University of Tokyo: Bus Control System
- Kyushu Institute of Technology: Vibration and Thermal Design and Testing
- **Keio University: Bus Control System**



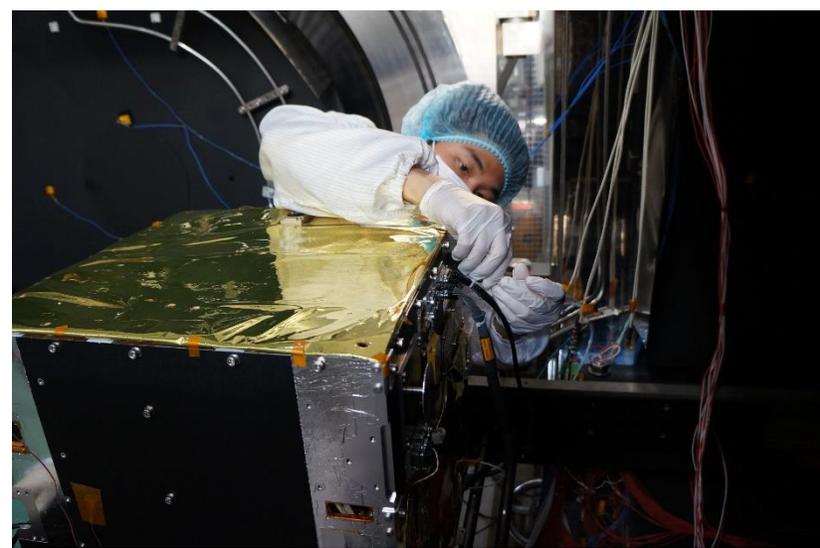
MDG Flight Model

<i>MicroDragon Information</i>	
Satellite mass	~ 60 kg
Satellite size	60 cm x 60 cm x 60cm
Main Mission	Ocean color observation to assess coastal water quality and locate living resources
Sub Mission	Collect water quality's information
Launch Date	The end of 18/01/2019
Orbit	Sun Synchronous Orbit 514km

Satellite testing campaign in Kyutech 2016



- I did spend **2 months** in Kyutech for the satellite testing campaign



Thermal Vacuum Test



Vibration Test



Functional Test

Motivation to Join PNSTT fellowship



Continue my research in system engineering

Gain experience in the satellite projects



Expand my network in the nano/micro satellite community

Discover the secret of Japan

My PNST



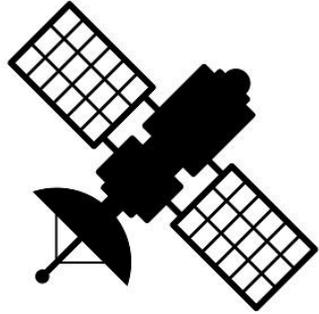
I knew PNST fellow through **my colleague** but it's a bit late for preparing the documents

It's better to **get all documents ready** before the end of year

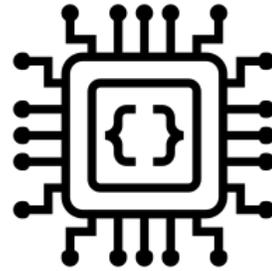


I successfully applied to PNST fellow

The 1st semester started on October 2020, but I arrived in Kyutech in **November 2020** caused by Covid-19 pandemic



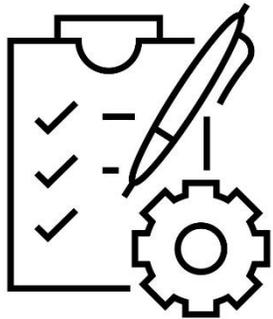
Space system engineering



Embedded System Design



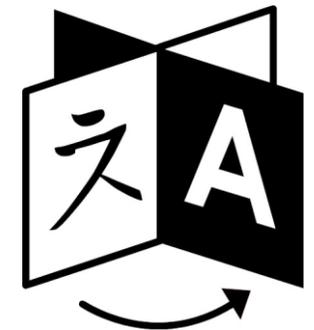
Power System Design



Environment Testing Workshop



Project Base Learning Class



Language Class

My Feeling...



Diverse



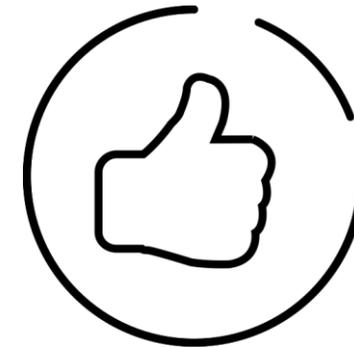
Kyutech



Well functional



Experienced



Peaceful

Sport Activities



Badminton club in Tobata campus

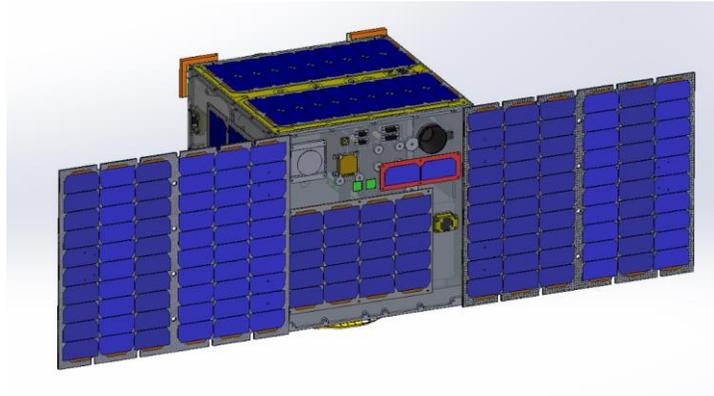


Bowling Game with my friends



Hiking in Sarakura Mountain

Future Plan



Starting

2011

2013

PicoDragon

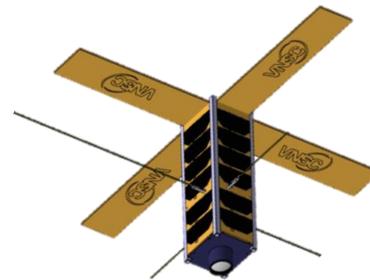


2018

MicroDragon

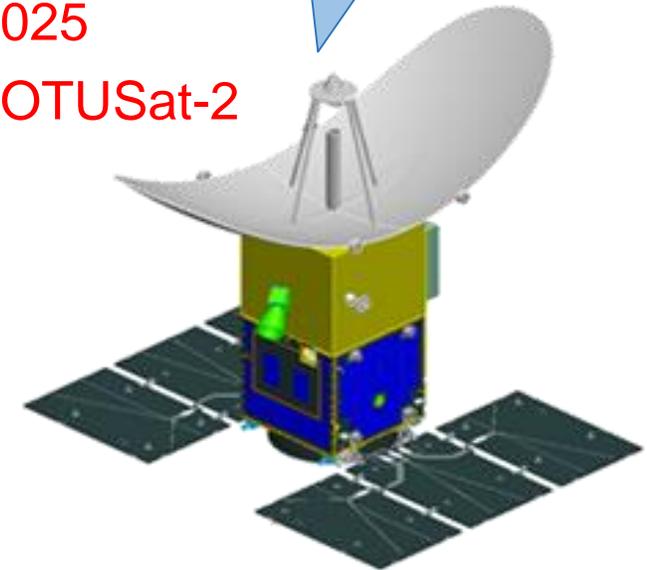
2021

NanoDragon



2025

LOTUSat-2



Currently join to develop



Dragon Bus Standard

AgriDragon

SeaDragon