

**KYUSHU INSTITUTE OF TECHNOLOGY**  
Laboratory of Lean Satellite Enterprises and In-Orbit Experiments

# **UNLOCKING OPPORTUNITIES: FROM EL SALVADOR TO SPACE**

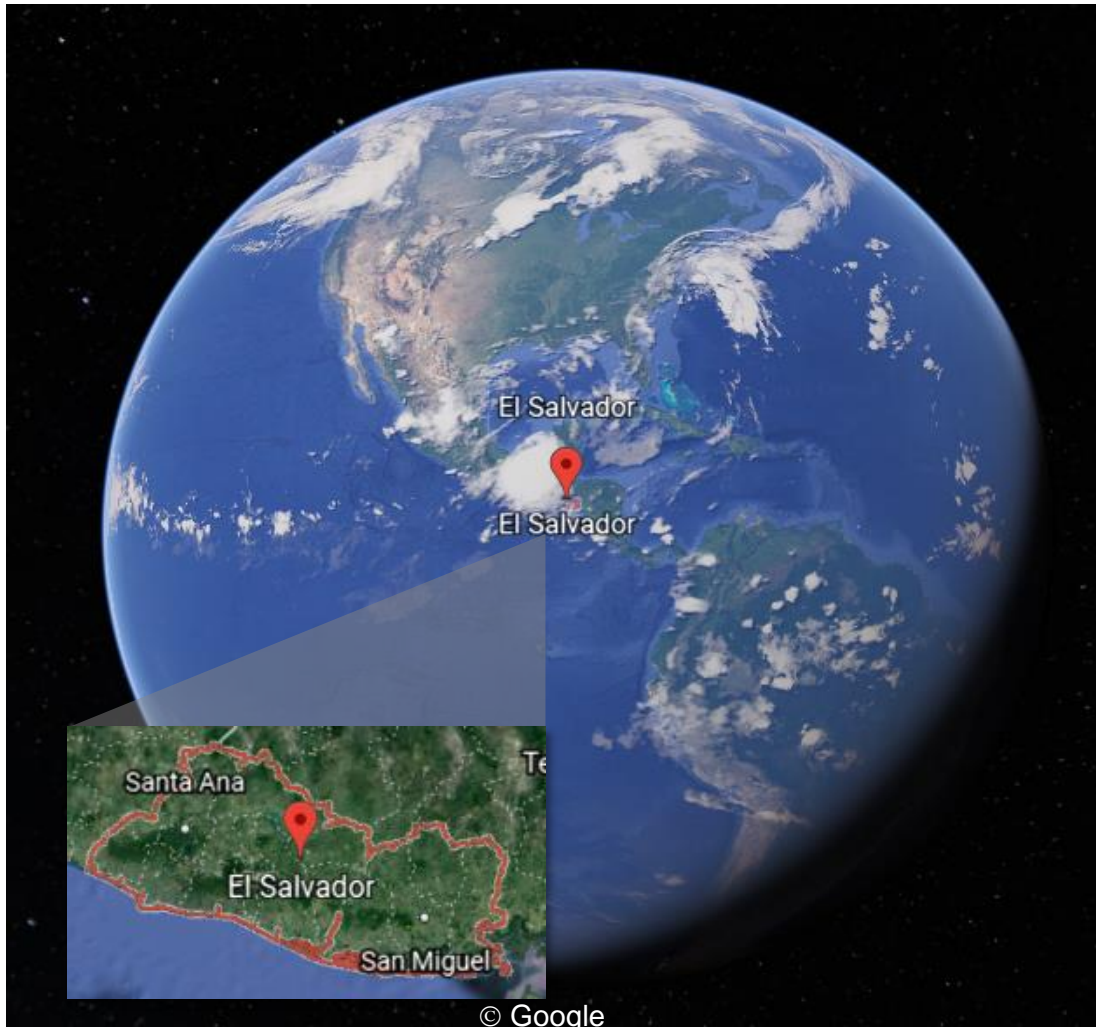
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Fatima Gabriela Duran Dominguez  
September, 22<sup>nd</sup>  
2021

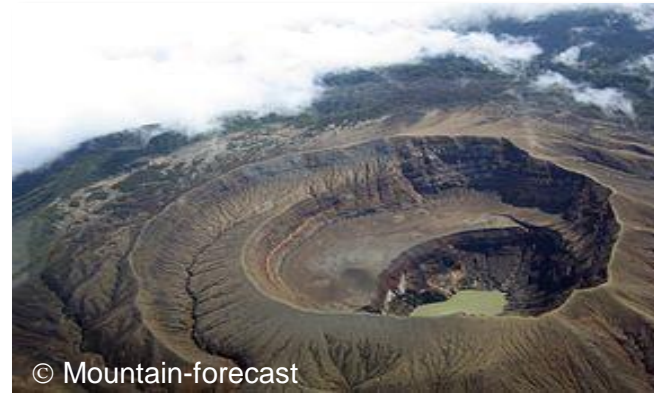
# CONTENTS

1. About El Salvador
2. The journey begins...
3. PNST/SEIC program at Kyutech
4. Covid-19 vs. Kyutech
5. Current activities in Kyutech

# 1. ABOUT EL SALVADOR



Total area: 21,040 km<sup>2</sup>  
Population: 6,702,000 (2019 est.)  
Capital: San Salvador  
Official language: Spanish



Santa Ana Volcano or Ilamatepec



Coatepeque Lake

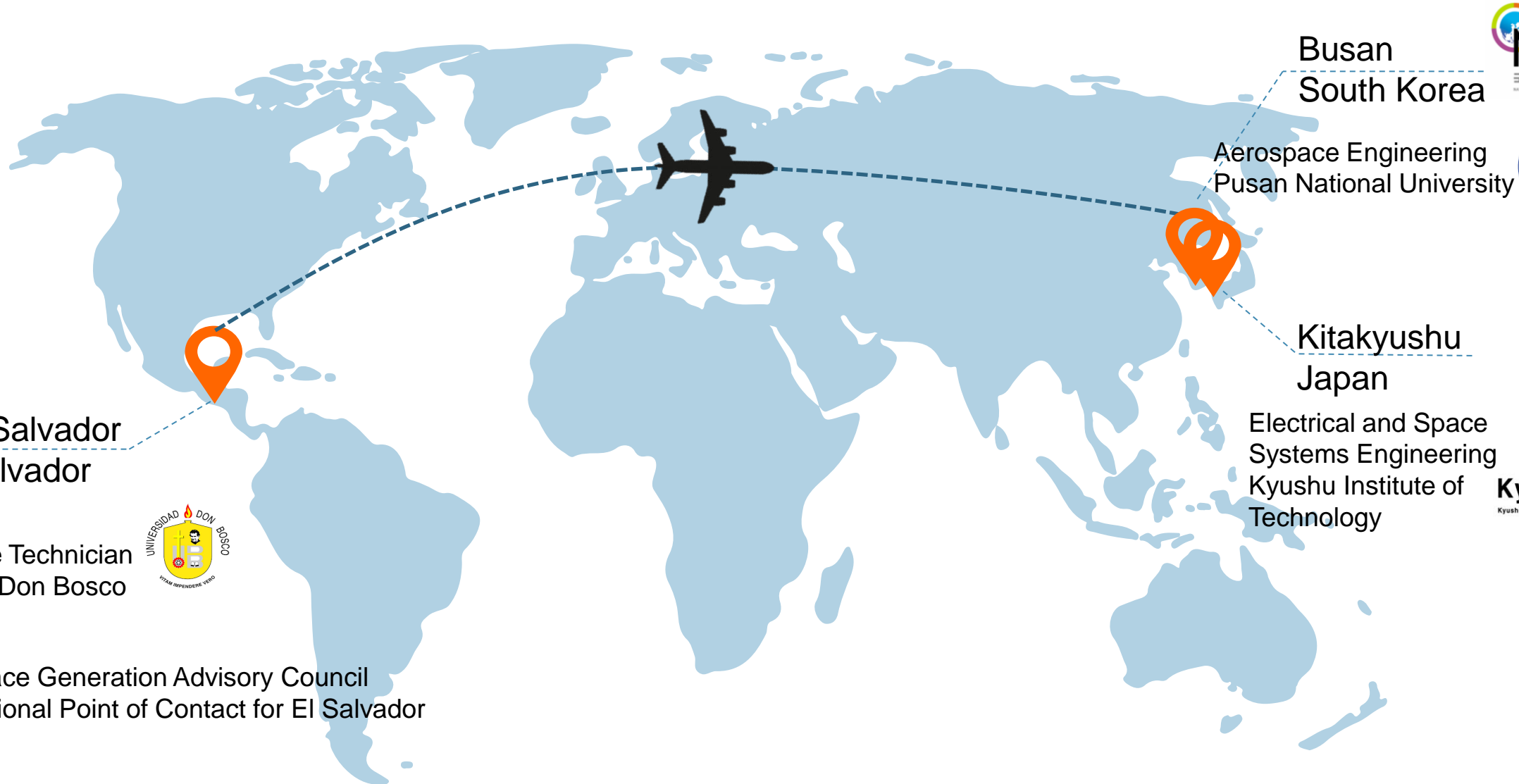


Night view of Historic Center of San Salvador



Coffee plantations around in Apaneca

# 2. THE JOURNEY BEGINS...



San Salvador  
El Salvador

Aeronautical  
Maintenance Technician  
Universidad Don Bosco



Space Generation Advisory Council  
National Point of Contact for El Salvador

Busan  
South Korea

Aerospace Engineering  
Pusan National University



Kitakyushu  
Japan

Electrical and Space  
Systems Engineering  
Kyushu Institute of  
Technology





## 2. THE JOURNEY BEGINS...



At KARI's testing facilities ©KARI



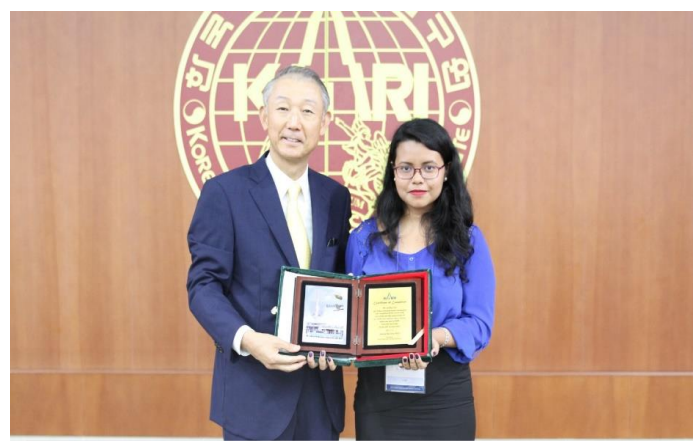
Flying a CTWS flight design training airplane



During my graduation day as Aerospace Engineer from Pusan National University



At KARI's ground control station ©KARI



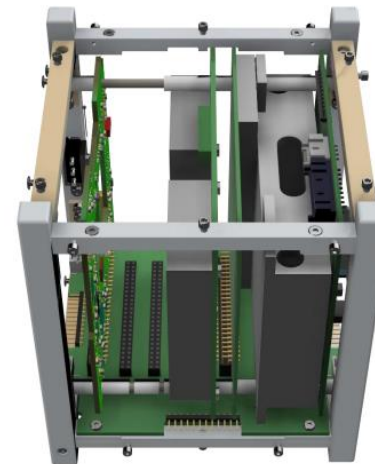
Closing ceremony of 2017 KARI IST, with Ph.D. Gwang Rae Cho, president of KARI ©KARI

### 3. PNST/SEIC PROGRAM AT KYUTECH

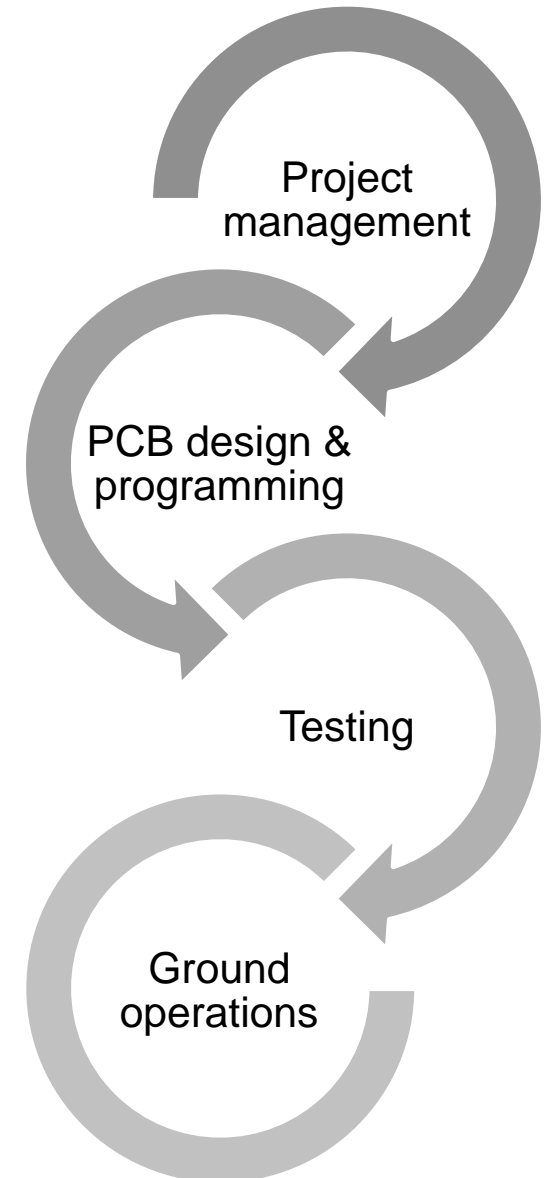


**Space Engineering  
International Course (SEIC)**

- Space dynamics
- Space systems engineering
- Satellite engineering
- Space environmental science
- Space environment testing



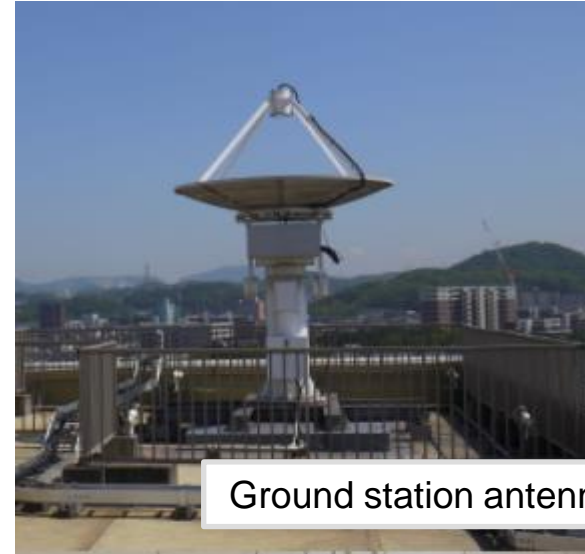
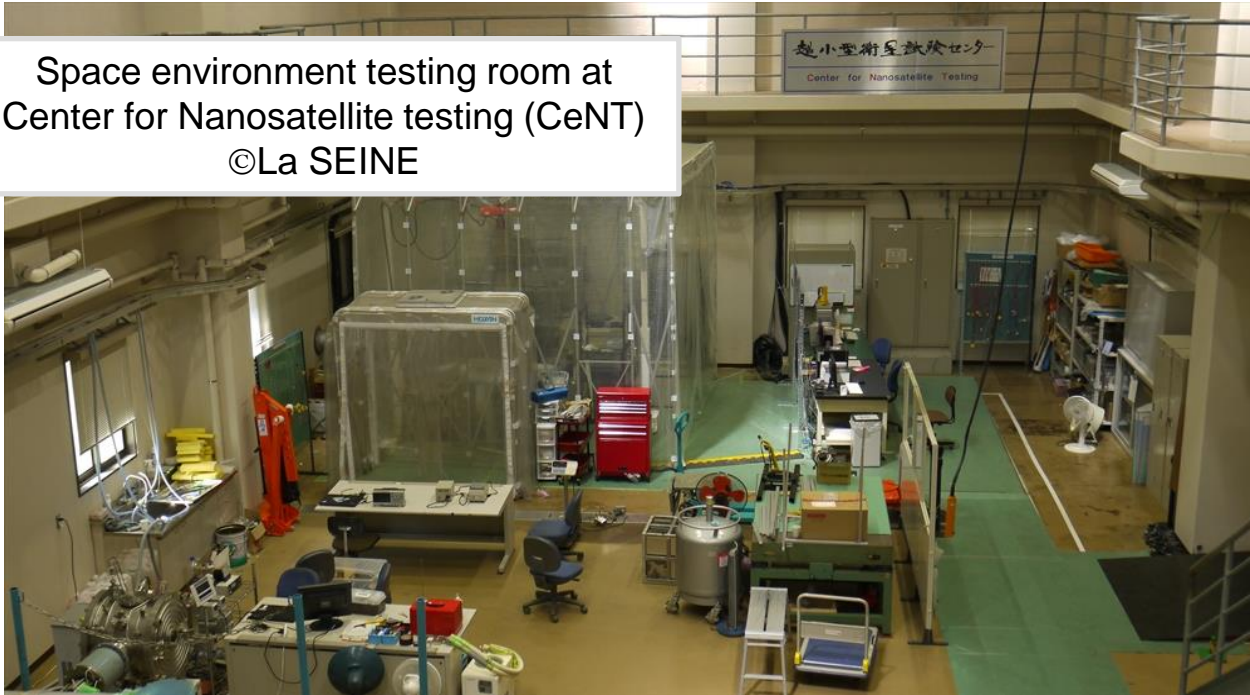
BIRDS Platform ©La SEINE





# 3. PNST/SEIC PROGRAM AT KYUTECH

Space environment testing room at Center for Nanosatellite testing (CeNT) ©La SEINE



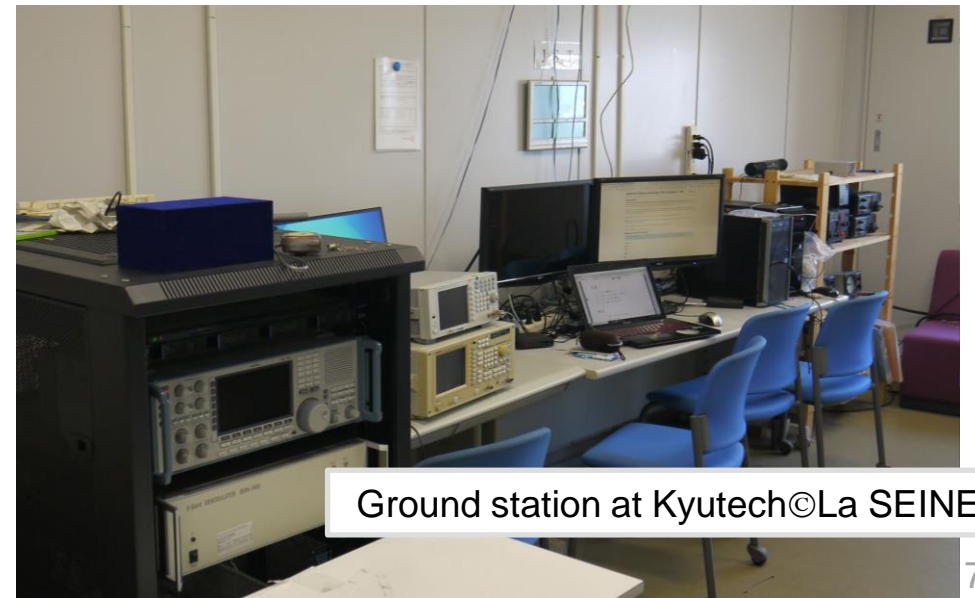
Ground station antennas at Kyutech©La SEINE



Flight models of BIRDS-4 ©La SEINE



ISS deployment ©JAXA



Ground station at Kyutech©La SEINE



# 4. COVID-19 VS. KYUTECH

## Studying during Covid-19 times

- ✓ Online lectures
- ✓ SEIC Guest Speakers
- ✓ Research seminar
- ✓ Research meeting
- ✓ Book seminar
- ✓ Project meetings
- ✓ Other activities



Kyutech staff and students meeting with Dr. Javier Stober from MIT Media Lab © Esteban Fretes

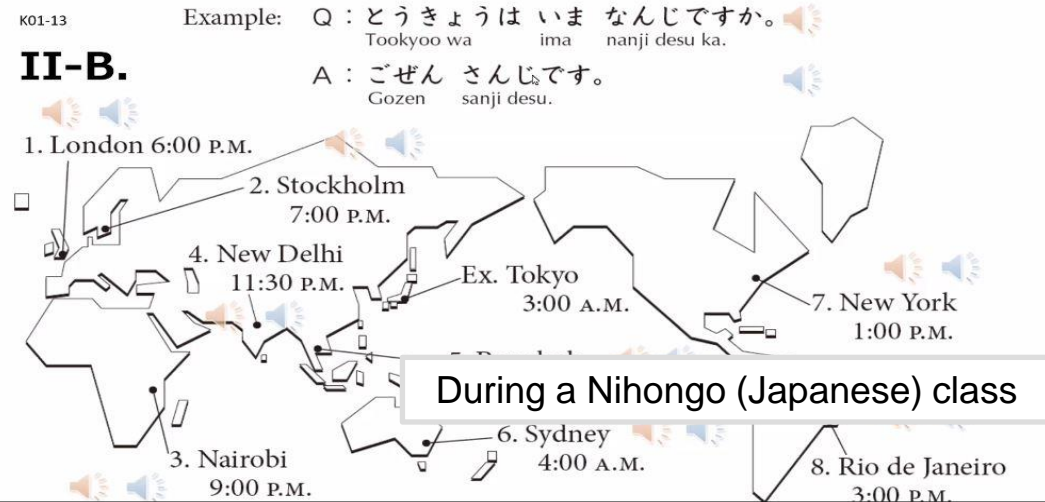


While studying at Kyutech, I have learned about many other space related activities such as UNISEC-Global

Example: Q : どうきょうは いま なんじですか。  
Tookyoo wa ima nanji desu ka.

A : ごぜん さんじです。  
Gozen sanji desu.

**II-B.**

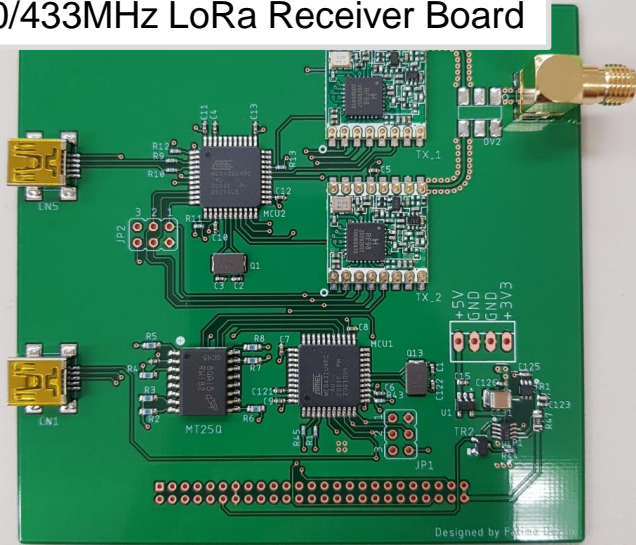


During a Nihongo (Japanese) class

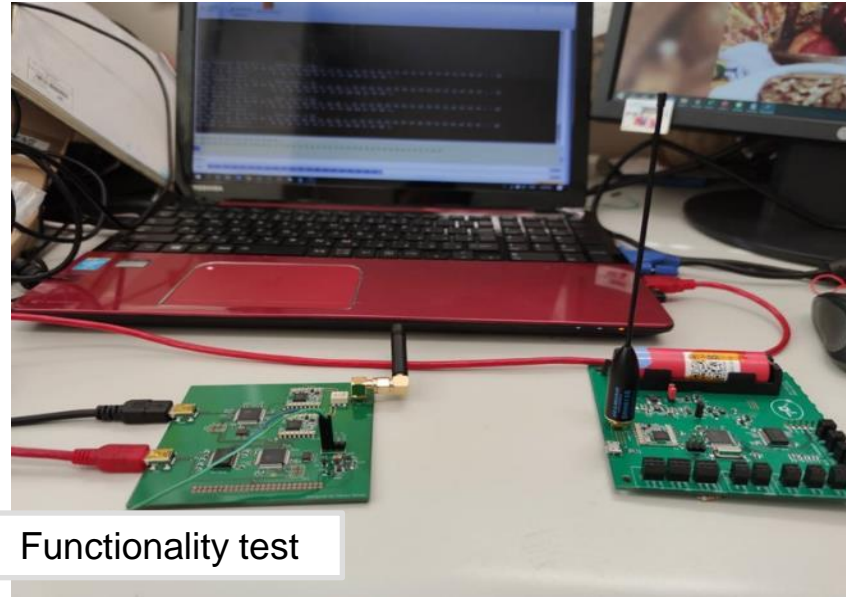


# 5. CURRENT ACTIVITIES IN KYUTECH

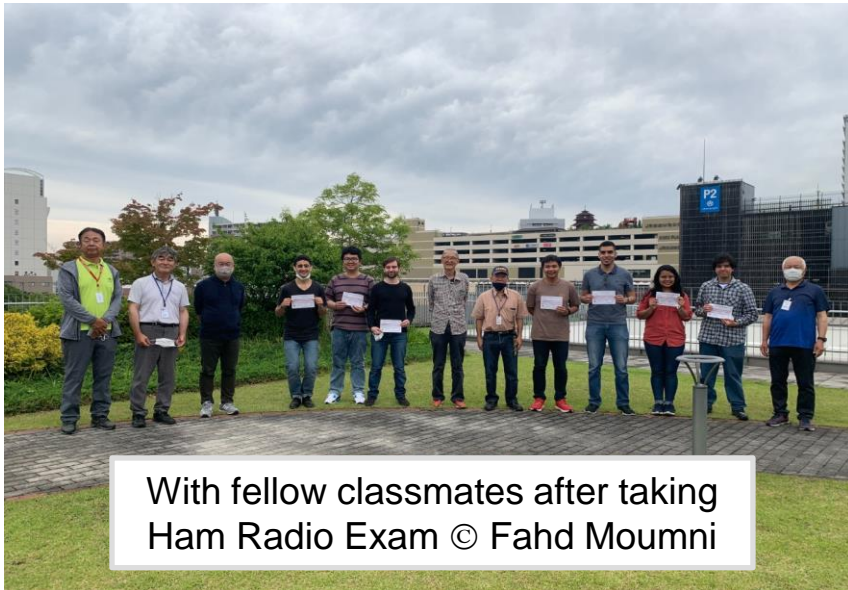
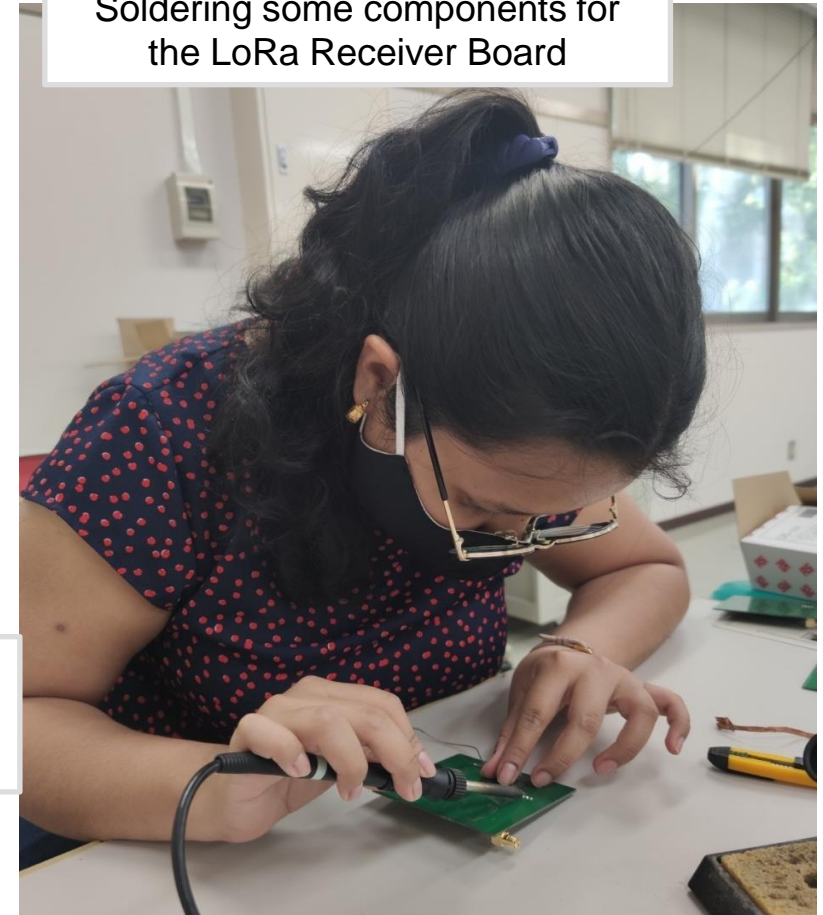
400/433MHz LoRa Receiver Board



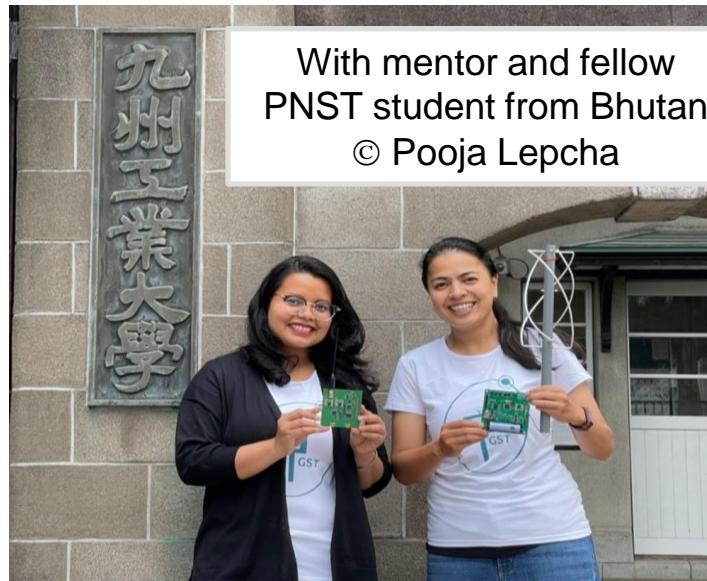
Functionality test



Soldering some components for the LoRa Receiver Board



With fellow classmates after taking Ham Radio Exam © Fahd Moumni



With mentor and fellow PNST student from Bhutan © Pooja Lepcha

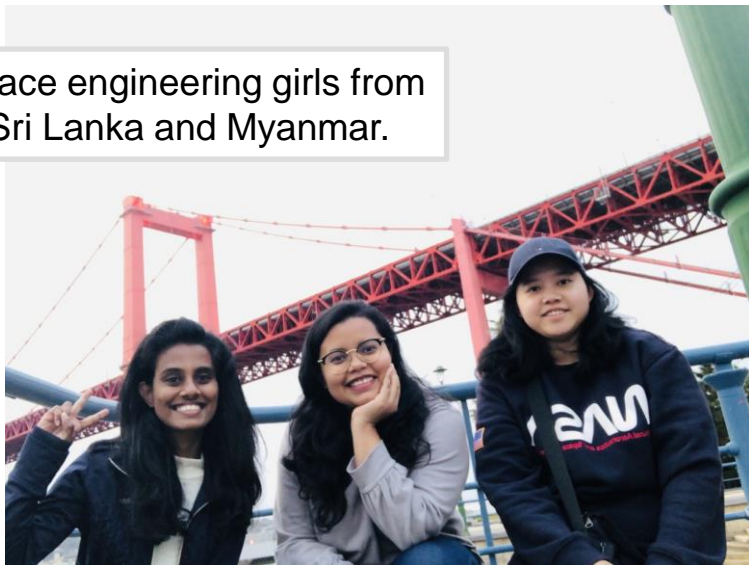


I have the great opportunity to be part of two different projects at Kyutech!



# 5. CURRENT ACTIVITIES IN KYUTECH

Space engineering girls from Sri Lanka and Myanmar.



Spring in Fukuoka



Wakato Ohashi Bridge at sunset



Spring in Kitakyushu



Biking around Kitakyushu



Kitakyushu city at glance!



# THANK YOU!

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¡GRACIAS!