

# A Journey

## To Explore New Horizons

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CHO Laboratory





Before PNST



The Application Process



While in JAPAN



After PNST



# Part One: Before PNST

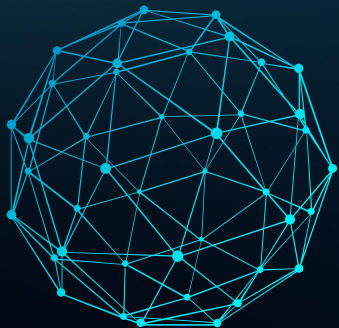




# Where do I come from?



Egypt is linking northeast Africa with the Middle East





# Education



**Bachelor of Engineering, Electronics and Communications Department, MIU, Egypt (2012-2017)**

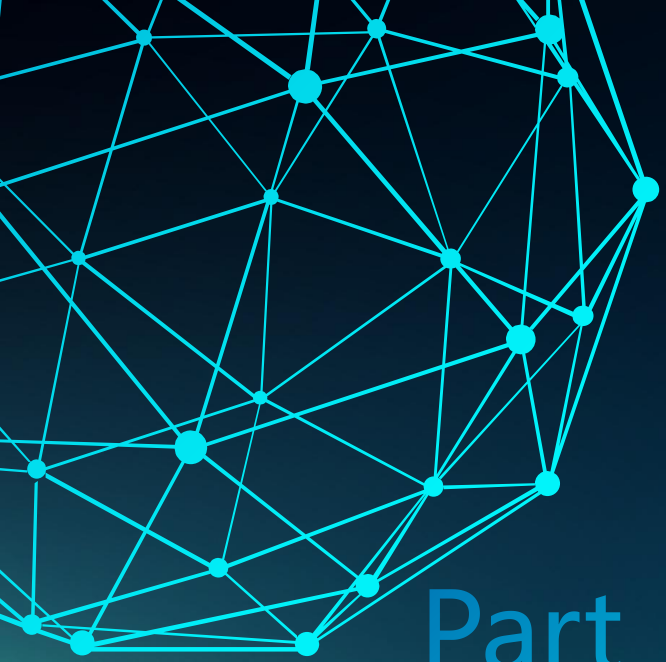
**Graduation Project: Design, Implementation and Testing of an Electrical Power Subsystem of a Cube Satellite**



**After Graduation:**

**Teaching Assistant, ECE Department, MIU, Egypt (2017-2018)**





# Part Two: Application Process





# About Kyutech

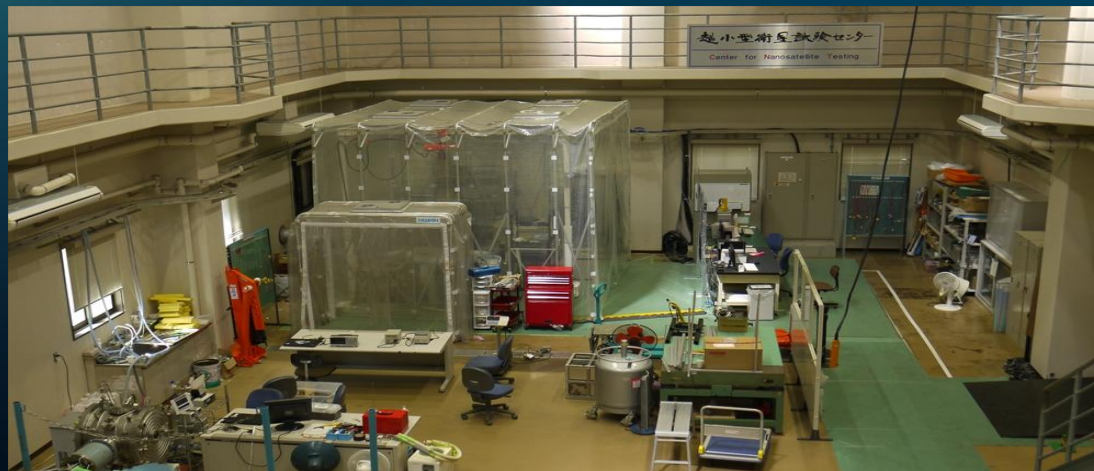


Kyutech as world No. 1 in university small satellite launches



**Kyutech**

Kyushu Institute of Technology



# PNST Application



## Eligibility & Background

- Read Carefully the application conditions & procedure
- Review your submission - Check list



## Purpose

- Plan to participate in your home country' s space program
- Current Capacity of your Country; Programs, initiatives, organizations



## Motivation

- Participation in the program and Post-degree plan



## Research

- Your proposed thesis/programme activities to one or more Sustainable Development Goals

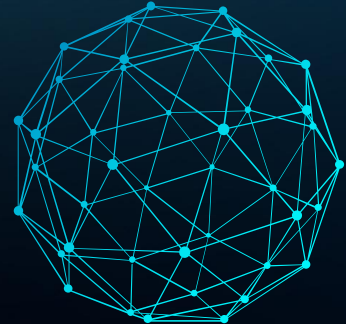


# Starting the Journey!



Cairo, Egypt

Fukuoka, Japan



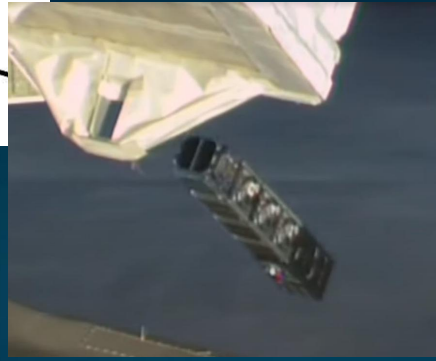


# Part Three: While in Japan





# Satellite Projects





# Courses and Research



-Space Engineering International Course (SEIC); Many courses including:

- **Orbital Dynamics**
- **Space Weather**
- **Space System Engineering**
- **Satellite Communication systems**
- **Space Law and policy**

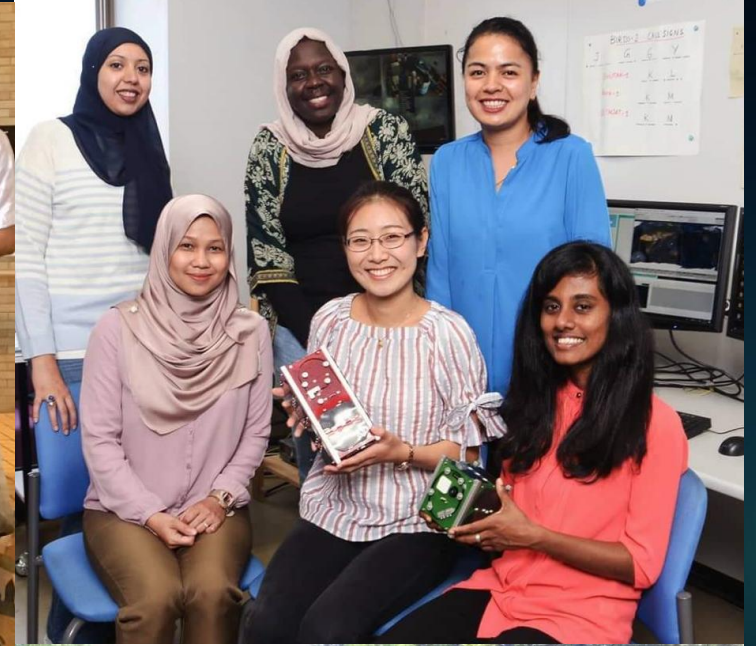
-Master of Science Thesis: UHF Signal Analysis For Ionosphere Total Electron Content Estimation





# Life in Kyutech

Orientati  
on Day



Graduation  
Ceremony



# Exploring Japanese Culture







# Part Four: After PNST



# After Graduation



## Egyptian Space Agency

### Satellite Communications and Navigation Department

- Nov. 2020-June. 2023: Communication Engineer
- July 2023 - Current: System Design Engineer



## Capacity Building Activities



### Space Generation Advisory Council

National Point of Contact, Egypt, Middle East Region (March 2019-present)



### Moon Village Association

National Coordinator, Egypt, North Africa (January 2021- present)

# Lessons learned throughout this Journey



**Grab each & every opportunity to learn**

**Study Japanese & Learn about the Culture**



**Make Friends & Memories**

**Work Hard & Learn from your mistakes**



“If I cannot do great things, I can do SMALL things in a great way.”

Martin Luther King

Future Space Leaders!

Thank you for your time

Happy to connect through:



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