



CLTP14

Satellite Hands-on Training

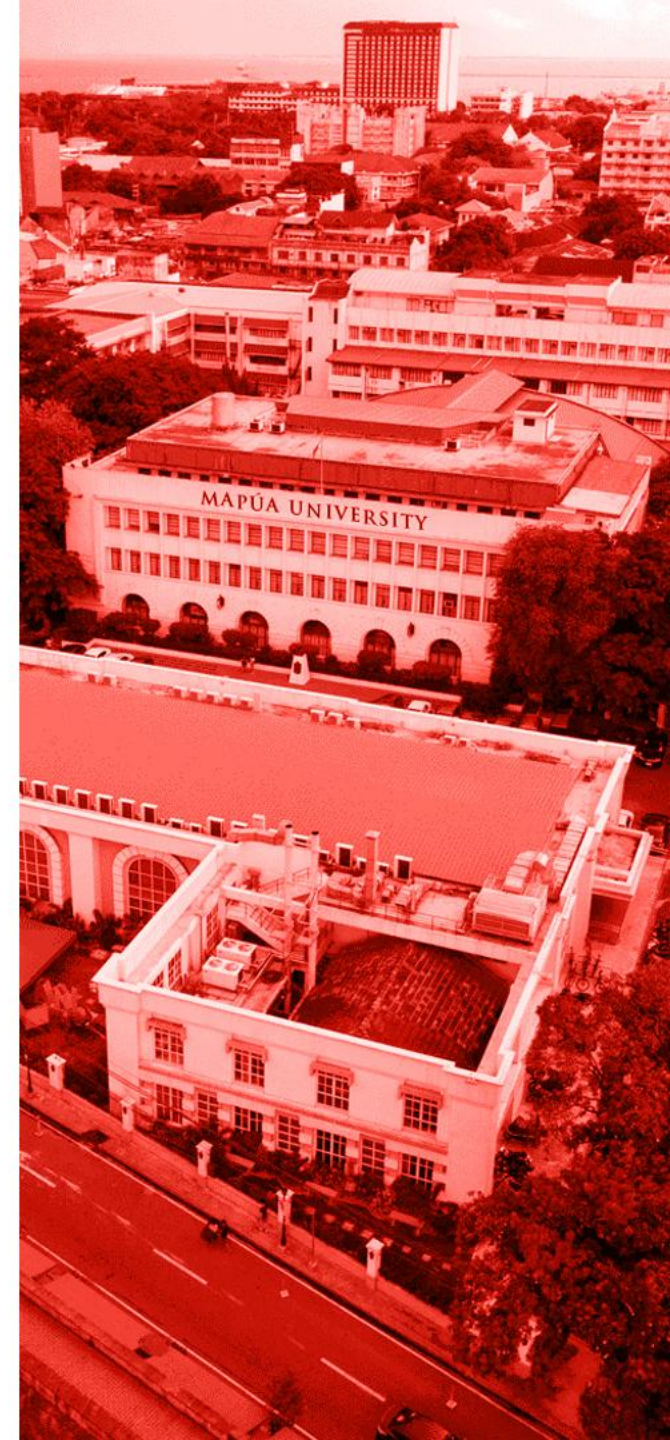
Marloun P. Sejera

September 20, 2025
Zoom Meeting

www.mapua.edu.ph



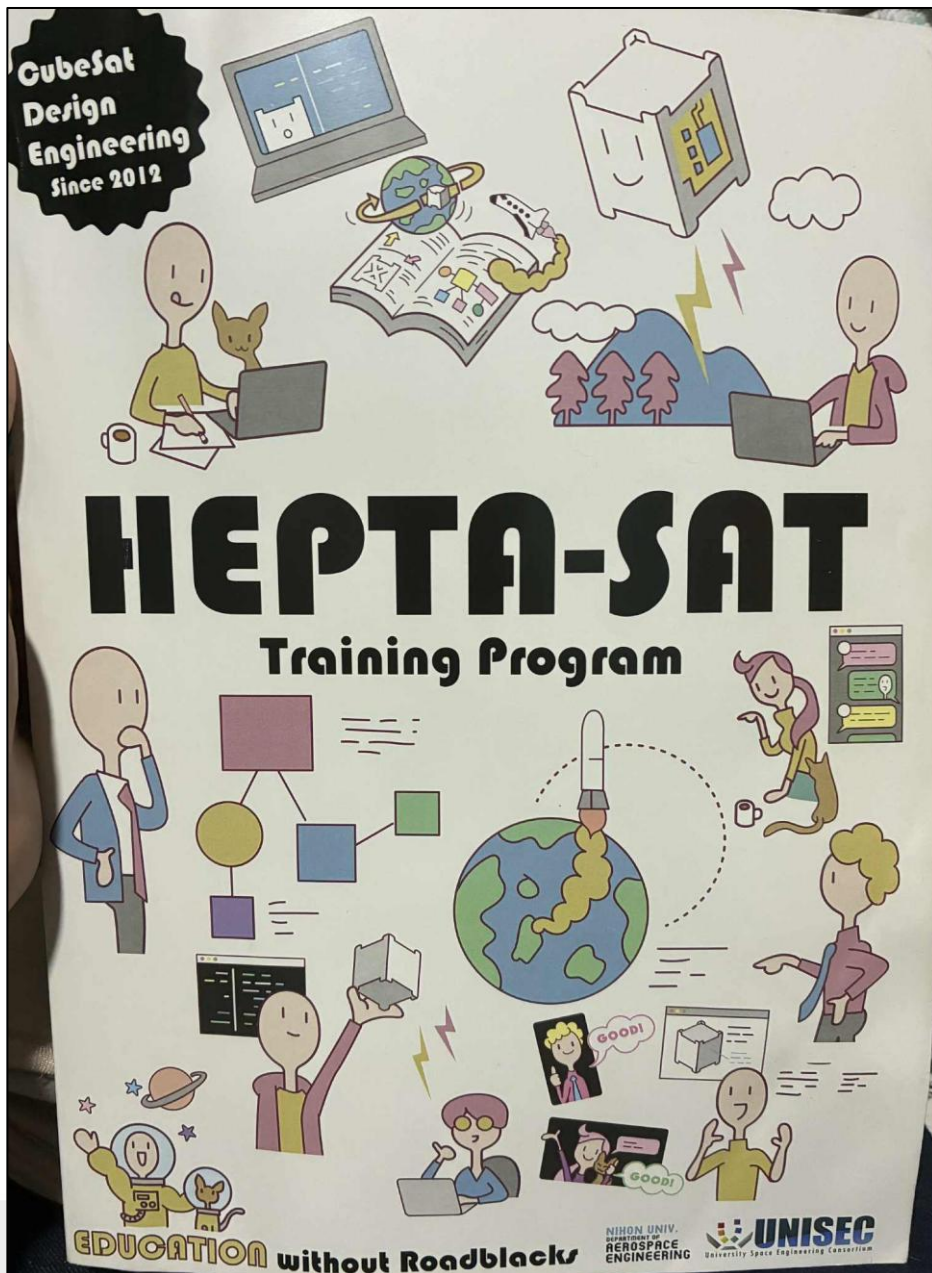
MapuaUniv



The 14th CanSat/CubeSat Leader Training Program



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6 Laboratory Activities in 3 Days

Lab 1	On-Board-Computer (OBC)
Lab 2	Electrical Power Subsystem (EPS)
Lab 3	Command & Data Handling (CD&H)
Lab 4	Sensors
Lab 5	Communication and Ground Subsystem
Lab 6	Structure

Lab Contents

- Concepts
- Assembly, Integration and Tests (AIT)

Lab#2 > 1. What is EPS Subsystem?

1.1 Understand roles and functions

- Humans need to supply, store, and use energy appropriately to move their bodies and think. CubeSat also needs to supply, store, and use energy appropriately to operate.

Eating = Ensuring energy

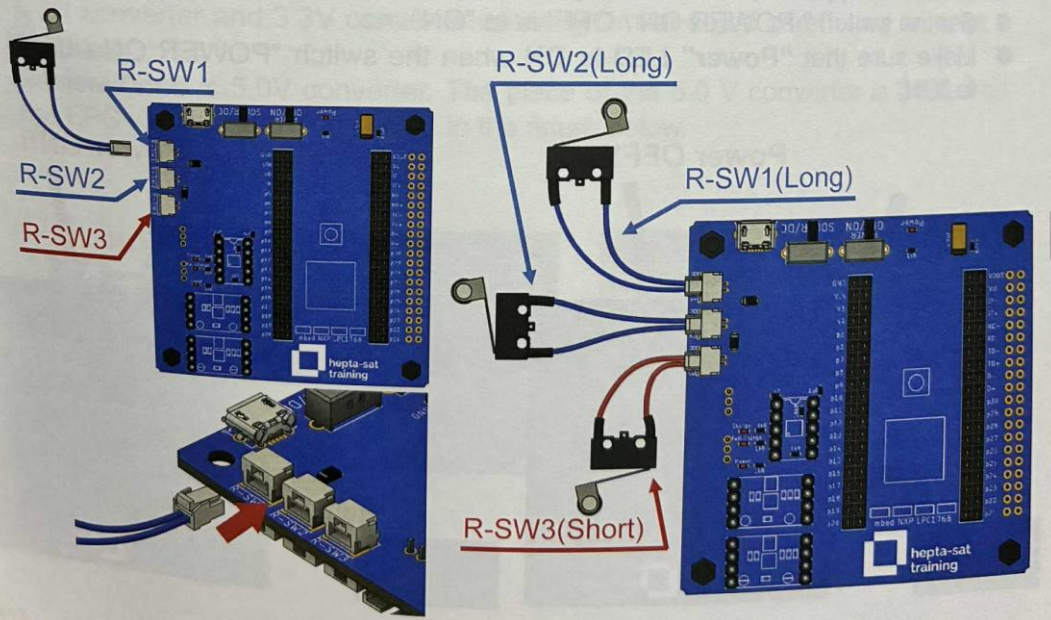
Working



Lab#2 > 2. Assembly, Integration and Test

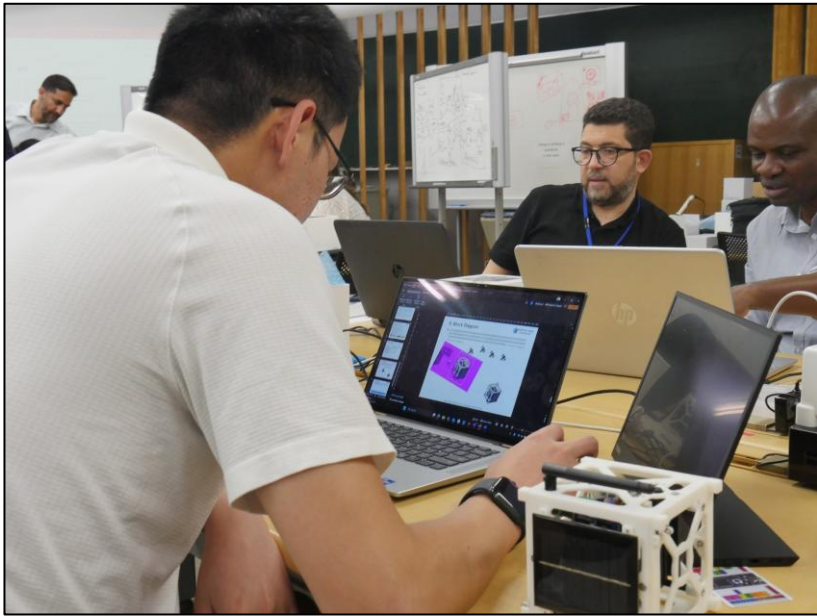
2.3 Install Release Detection Switch and check

- Install three roller type switches as release detection switch.



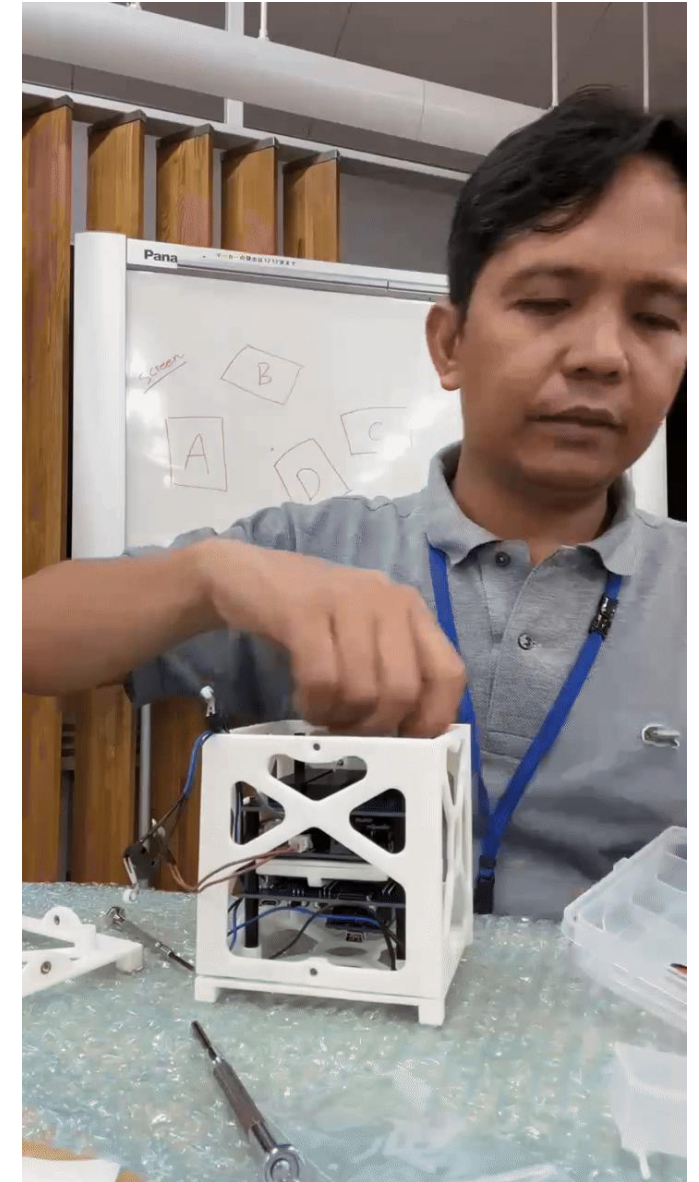
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What I learned

- Lifelong learning is essential.
- Learning by doing is very effective.
- Collaboration and networking are opportunities.



ありがとうございます。