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# UNISEC-PH Report



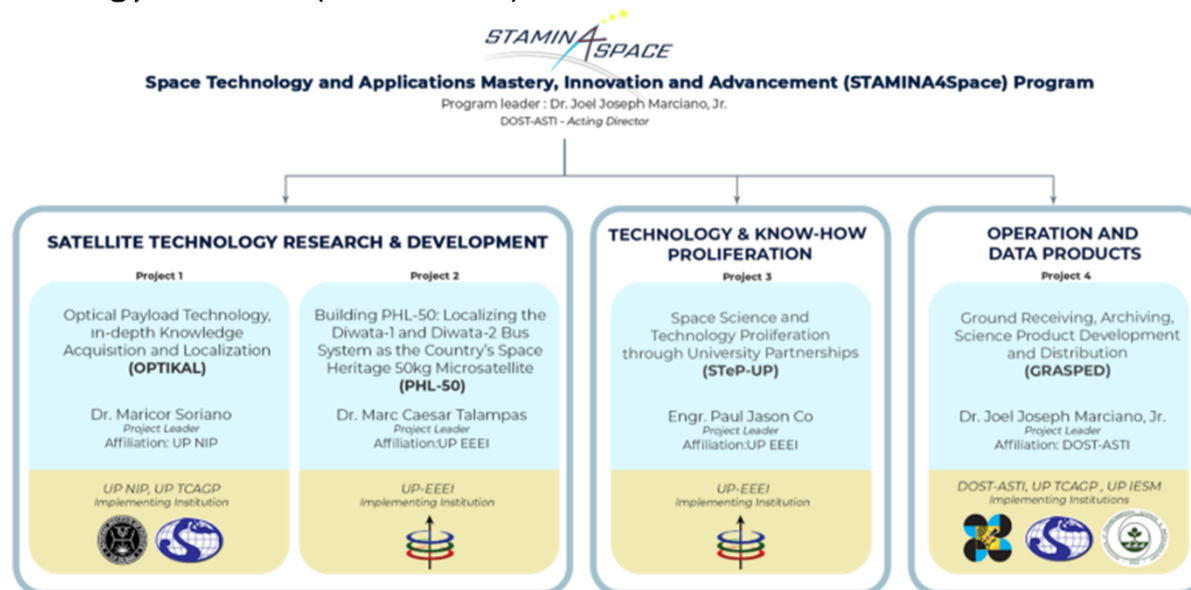
*Paul Jason Co*  
*POC UNISEC Philippines*  
*EEEI, Universit of the Philippines, Diliman*

# History of Local Chapter Activities



Established in June 2019

- Established through the Space Technology Proliferation Through University Partnerships (STeP-UP) Project of the Space Technology and Applications Mastery, Innovation and Advancement (STAMINA4Space) program
  - funded by the Department of Science and Technology (DOST)
  - implemented by The University of the Philippines and DOST Advanced Science and Technology Institute (DOST-ASTI)



# History of Local Chapter Activities



Established in June 2019

- *Initial members*
  - *University of the Philippines Diliman*
  - *Mindanao State University – Iligan Institute of Technology*
  - *Holy Angel University*
- *Membership processing*
  - *Mapua University*
  - *Adamson University*
  - *De La Salle University*
  - *University of Perpetual Help*
  - *Far Eastern Air Transport (FEATI) University*
  - *Cebu Technological University*



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# History of Local Chapter Activities



Established in June *2019*

- **University of the Philippines Diliman**
- Local graduate program on nanosatellite engineering
- Local and foreign scholarships through Department of Science and Technology-Science Education Institute (DOST-SEI)
  - BIRDS-4 at Kyutech
  - NCKU
- Development of 2 1U cube satellites based on the BIRDS-2 Bus (partnership with KyuTech)
- Amateur radio and satellite station (ARSS) operations
  - BIRDS network
- Establishment of ARSS in partner universities
- Undergraduate courses related to space technology
  - Cansats
  - Satellite communications

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# History of Local Chapter Activities



- **Holy Angel University**
  - Development of AMSAT lab
    - Capture satellite data
  - Weather imagery to be captured using SDR
- **University of San Carlos**
  - Preparing for an elective course both for our undergraduate and graduate programs. It is scheduled to be offered beginning August 2019 (undergraduate) and January 2020 (graduate)
- **Mindanao State University – Iligan Institute of Technology**
  - Guidance and control system of semi-ballistic rocket
  - RF IC design for satellite communication and satellite engineering

# UNISEC-Global Activities in 2019



- *Knowledge proliferation and capacity building events*
- *Establishment of ARSS Network between partner universities*
  - *VHF and UHF band*
- *Participation in MIC6*



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# Plan for 2020 and beyond



- *Expand membership of UNISEC Philippines*
  - *Multiple Universities in the Philippines are in the process of being members of UNISEC-PH*
- *Consolidation of space-related projects between academic institutions in the Philippines*
- *Training and awareness raising on space-related activities*
- *Engagements with private sector/industry*
  - *Build local industry for space technology*



Thank you!