

Republic of Philippines Section Report February 2024

PART A - SECTION SUMMARY

A.1 Executive Summary

1. Section Executive Committee Member List for 2023

The infographic displays the IEEE Philippines Section Executive Committee members for 2023, organized into four committees. At the top is the IEEE Philippines Section logo. Below it, the IEEE PG Executive Committee is headed by ENGR. CHRISTIAN ENOVAL, Chair. The committee includes DR. IRA VALENZUELA (Vice Chair), ENGR. EDUARDO PIEDAD, JR. (Secretary), and DR. JOCELYN VILLAVERDE (Treasurer). The IEEE PG Committee (Student Activities Committee) is headed by DR. MARK ANGELO PURJO (Chair) and DR. SAMMY MILITANTE (Vice Chair). The Professional Activities Committee is headed by DR. NEON DE JESUS (Chair) and ENGR. ARIEL NOPRE, JR. (Vice Chair). The Technical Activities Committee is headed by DR. MARMELO ABANTE (Chair) and ENGR. FRANCIS ALARCON (Vice Chair). The Educational Activities Committee is headed by DR. EDWARD JAY QUINTO (Chair) and ENGR. CYREL MANLISES (Vice Chair).

IEEE Philippines Section

IEEE PG Executive Committee

ENGR. CHRISTIAN ENOVAL
Chair, IEEE Philippines Section

DR. IRA VALENZUELA
Vice Chair, IEEE Philippines Section

ENGR. EDUARDO PIEDAD, JR.
Secretary, IEEE Philippines Section

DR. JOCELYN VILLAVERDE
Treasurer, IEEE Philippines Section

IEEE PG Committee
Student Activities Committee

DR. MARK ANGELO PURJO
Chair, Student Activities Committee

DR. SAMMY MILITANTE
Vice Chair, Student Activities Committee

Professional Activities Committee

DR. NEON DE JESUS
Chair, Professional Activities Committee

ENGR. ARIEL NOPRE, JR.
Vice Chair, Professional Activities Committee

Technical Activities Committee

DR. MARMELO ABANTE
Chair, Technical Activities Committee

ENGR. FRANCIS ALARCON
Vice Chair, Technical Activities Committee

Educational Activities Committee

DR. EDWARD JAY QUINTO
Chair, Educational Activities Committee

ENGR. CYREL MANLISES
Vice Chair, Educational Activities Committee

2. Section Highlights

- a. February 1, 2024 - IEEE Philippine Section conducted its face to face General Membership Meeting after five years. The activity was held in Quezon City Philippines which were attended by the executive committee, officers and members of the section. Accomplishment Report and Updates about the section were discussed by Engr. Christian Enoval (IEEE PS Chair). It was followed by Engr. Ma. Madecheen Pangaliman (IEEE WIE PS Chair) who gave updates for WIE Philippines. Then Dr. Jennifer Dela Cruz (IEEE R10 SAC Chair) and Dr. Mark Purio (IEEE PS SAC Chair) tackled the upcoming student activities. Lastly, Dr. Ira Valenzuela (YP PS Chair) provided updates for young professionals activities. The event also served as fellowship for all members with buffet style dinner free for all attendees.
- b. November 19, 2023 - 15th International Conference on Humanoid, Nanotechnology, Information Technology, Communication and Control, Environment and Management (HNICEM 2023)
- c. September 16, 2023 - IEEE R10 Student Summit with IEEE Mapua University Student Branch. We were able to host the first ever Student Summit in concurrence with other participating countries in Region 10.

3. Major Events (International, National)



IEEE Philippines Section General Membership Meeting

4. Major Chapter Activities



5th International Conference on Humanoid, Nanotechnology, Information Technology, Communication and Control, Environment, and Management

5. Major Student and Affinity Group Activities

IEEE STUDENT SUMMIT 2023



6. Awards - None

A.2 Financial Report –

- Financial Report Submitted for 2024 - See email from our Treasurer



PART B - ORGANIZATIONAL ACTIVITIES

B.1 Membership Development Activities

- Total number of active members in the past 3 years.
2021 : 472
2022 : 513
2023 : 585
14.04 % Membership Growth
- Summary and evidence of work done to improve the value of membership, which leads to retention and growth of members
We organized general assembly to meet with fellow members, offered free webinars to professional and student members, partnered with different universities and other local organizations

B.2 Chapter Activities

- Total number of Chapters in the Section: 5
- Number of Chapters formed in the current year: 0
- Number of active Chapters (Chapters who have reported required number of meetings during the year)
- Summary of Chapter activities (Chapter wise with attachment table/information)

IEEE PS Committee Meeting



B.3 Professional and Continuing Education Activities




All continuing Educational activities including conferences, technical activities, training courses, and distinguished lecture programs are mostly tied up with Student Branches and Young Professionals Activities. See B.4 and B.5.






B.4 Students Activities




- Total number of Student Branches in the Section: **5 Student Branches**
 1. **Mapua University**
 2. **De La Salle University**
 3. **University of the Philippines**
 4. **Technological University of the Philippines**
 5. **University of Santo Tomas**
- Number of Student Branches formed in the current year: 0
- Section level student activities (student congress, paper and other contests, awards etc)
- Number of active Student Branches (Student Branches who have reported required number of meetings during the year):






- **Summary of Student Branch activities**






Event Details	Brief Description	Event Photo
Jan. 19, 2023 IEEE UPD SB Org Bonding University of the Philippines	A series of games and interactive activities that aim to strengthen the bond among the members of the organization.	<p>A group photo of approximately 15 members of the IEEE UPD Student Branch posing together in a room. They are dressed in casual attire, and some are wearing blue shirts. The photo has a blue banner at the bottom with the IEEE logo and the text "IEEE UPD SB QUARTERS PARTY".</p>



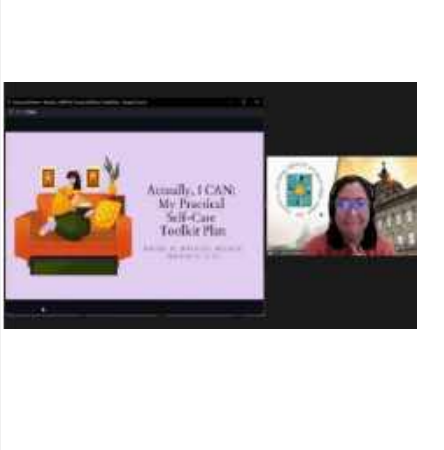

<p>Mar. 6, 2023</p> <p>2nd Semester Applicants' Orientation (A.Y. 2022-2023)</p> <p>University of the Philippines</p>	<p>An event open to UP Students which aims to introduce IEEE to aspiring applicants. This event would showcase the different projects and opportunities offered by IEEE to the attendees, as well as orient them about the organization's application process.</p>	
<p>Mar. 18 & 25, 2023 and April 1, 15, & 22, 2023</p> <p>IEEE TechEx</p> <p>University of the Philippines</p>	<p>A series of webinars conducted weekly in partnership with other IEEE student branches. It aims to spread knowledge and information about the different topics of significance to the advancing technological world.</p>	
<p>Sept. 4-5, 2023</p> <p>Executive Board 1st Semester Planning</p> <p>University of the Philippines</p>	<p>An executive board meeting regarding the new Academic Year 2023-2024 plans, specifically events for the 1st Semester.</p>	<p>N/A</p>
<p>Sept. 12-13, 2023</p> <p>Engineering Opening Week: Organization Fair</p> <p>University of the Philippines</p>	<p>An organization fair was held by the UPD Engineering Student Council to showcase the various engineering organizations within the campus and encourage freshmen and other undergraduates to join.</p>	
<p>Sept. 20, 2023</p> <p>Executive Board Consultation with Adviser</p> <p>University of the Philippines</p>	<p>An executive board meeting with IEEE UPD SB's current adviser to consult regarding the organization's plans for A.Y. 2023-2024</p>	<p>N/A</p>
<p>Sept. 26, 2023</p> <p>UP Diliman Electrical and Electronics Engineering Institute Organization Fair</p> <p>University of the Philippines</p>	<p>An organization fair was held by the UPD Electrical and Electronics Engineering Institute Representatives to showcase the various EEE organizations within the institute and encourage freshmen and other undergraduates to join.</p>	


<p>Oct. 2, 2023</p> <p>General Assembly #1 and Acquaintance Party</p> <p>University of the Philippines</p>	<p>A meeting involving all IEEE UPD SB members to discuss general organization matters and committee specific tasks. This was combined with an acquaintance party to encourage members to get to know each other in person.</p>	
<p>Oct. 6-7, 2023</p> <p>1st Semester Applicants' Orientation</p> <p>University of the Philippines</p>	<p>An event open to UP Students that aims to introduce IEEE to aspiring applicants. This event would showcase the different projects and opportunities offered by IEEE to the attendees, as well as orient them about the organization's application process.</p>	
<p>Oct. 18, 2023</p> <p>1st Semester Applicants' Mixer</p> <p>University of the Philippines</p>	<p>An event to help 1st Semester applicants get to know one another through games and fun activities.</p>	
<p>Nov. 24-25, 2023</p> <p>Bit Series: Programming with Python</p> <p>University of the Philippines</p>	<p>A series of online workshops intended for beginners that aim to provide basic and foundational knowledge needed in programming with Python. There will also be special topics discussed in the series such as machine learning and artificial intelligence. These workshops would also equip its participants with some advanced techniques that can be utilized to further <u>develop their skills in programming.</u></p>	
<p>Dec. 13, 2023</p> <p>General Assembly #2</p> <p>University of the Philippines</p>	<p>A meeting involving all IEEE UPD SB members to discuss general organization matters and committee-specific tasks.</p>	<p>N/A</p>
<p>Jan. 20, 2024</p> <p>1st Semester Applicants' Welcoming Mixer</p> <p>University of the Philippines</p>	<p>A series of games and interactive activities that aim to strengthen the bond among the applicants and members of the organization. The event is also to welcome 1st Semester applicants as new members of the organization.</p>	
<p>Jan. 29, 2024</p> <p>Executive Board End-of-Semester Meeting</p> <p>University of the Philippines</p>	<p>An executive board meeting to discuss the organization's progress and points for improvement for the 1st Semester, and to begin planning for the 2nd Semester.</p>	<p>N/A</p>

<p>Mar. 8, 2024</p> <p>2nd Semester Applicants' Orientation</p> <p>University of the Philippines</p>	<p>An event open to UP Students that aims to introduce IEEE to aspiring applicants. This event would showcase the different projects and opportunities offered by IEEE to the attendees, as well as orient them about the organization's application process.</p>	
<p>March 11, 2023</p> <p>Members' Assembly 3Q2223</p> <p>Mapua University Student Branch Manila, Philippines</p>	<p>This is a meeting organized by the officers wherein all members of IEEE-MUSB are updated with the recent developments within the organization.</p>	
<p>March 17, 2023</p> <p>Batch 40 Applinductee Assembly</p> <p>Mapua University Student Branch Manila, Philippines</p>	<p>This is a meeting organized by the officers wherein all applicants and inductees of IEEE-MUSB are updated with the recent developments within the organization.</p>	
<p>April 14, 2023</p> <p>Microgrid Technologies and Modelling Webinar</p> <p>Mapua University Student Branch Manila, Philippines</p>	<p>As its namesake, it is a webinar hosted by Dr. Michael C. Pacis about microgrid technologies and modelling.</p>	
<p>April 20, 2023</p> <p>49th EECE Thesis Colloquium</p> <p>Mapua University Student Branch Manila, Philippines</p>	<p>It is an event where different research papers are presented to an esteemed panel of judges. It serves as the "research conference" in Mapua University.</p>	

<p>April 22, 2023</p> <p>Techex 2023 Day 5: Power Control for Grid-Connected Converter Webinar</p> <p>Mapua University Student Branch Manila, Philippines</p>	<p>As per annual tradition within IEEE student branches, TechEx is a series of webinars hosted by different IEEE student branches in line with that year's theme. For IEEE-MUSB, the webinar centered around power control for grid-connected converter.</p>	
<p>April 20, 2023</p> <p>Batch 40 Sportsfest 2023</p> <p>Mapua University Student Branch Manila, Philippines</p>	<p>It is an event where the physical abilities of applicants and members alike. The program is filled with numerous games and sports that surely tested their abilities.</p>	
<p>July 8, 2023</p> <p>Batch 40 Induction</p> <p>Mapua University Student Branch Manila, Philippines</p>	<p>The Batch 40 Induction is the culminating event of the application phase of Batch 40 as they oath into membership within IEEE-MUSB.</p>	
<p>August 17, 2023</p> <p>FroSHS Week '23-'24 IEEE-MUSB Booth Setup</p> <p>Mapua University Student Branch Manila, Philippines</p>	<p>IEEE-MUSB was designated a booth in during FroSHS Week at the start of the school year. The booth was used to promote the organization to interested students who fit the requirements.</p>	
<p>September 10, 2023</p> <p>Batch 41 Applicants' Orientation</p> <p>Mapua University Student Branch Manila, Philippines</p>	<p>As its namesake, this event is dedicated for the orientation of the basics of IEEE-MUSB to the applicants.</p>	




<p>September 16, 2023</p> <p>IEEE Student Summit 2023</p> <p>Mapua University Student Branch Manila, Philippines</p>	<p>Hosted by IEEE Region 10, this event gathered officers, members, and interested founders in Mapua University to participate in a series of talks and a simultaneous meeting of other Region 10 student branches.</p>	
<p>September 28, 2023</p> <p>Space Systems Engineering: The Electrical & Electronics Engineering Context Webinar</p> <p>Mapua University Student Branch Manila, Philippines</p>	<p>As its namesake, it is a webinar hosted by Dr. Mark Angelo Purio about the integration of electrical and electronic engineering in space systems.</p>	
<p>September 30, 2023</p> <p>Members' Assembly 1Q2324</p> <p>Mapua University Student Branch Manila, Philippines</p>	<p>This is a meeting organized by the officers wherein all members of IEEE-MUSB are updated with the recent developments within the organization.</p>	
<p>October 14, 2023</p> <p>1st MEEAA Energy & Electrical Technology Forum</p> <p>Mapua University Student Branch Manila, Philippines</p>	<p>Hosted by the Mapua Electrical Engineering Alumni Association, the forum was a series of talks sharing the advancements in different electrical engineering industries. IEEE-MUSB, partnered with IEEE-MUSC, provided supplementary help in organizing the whole event.</p>	
<p>December 2, 2023</p> <p>Batch 41 Mini-MSDT 2023</p> <p>Mapua University Student Branch Manila, Philippines</p>	<p>Held in Mapua, the Mini-MSDT is an event wherein applicants and members develop and enhance their management skills through a series of games and activities with the goal of winning the whole event.</p>	



<p>December 14, 2023</p> <p>Organizations' Week 2023: IEEE-MUSB Booth Setup</p> <p>Mapua University Student Branch Manila, Philippines</p>	<p>IEEE-MUSB was designated a booth in during Orgs' Week. The booth was used to showcase the activities done by the organization so far and to sell official IEEE-MUSB merchandise.</p>	
<p>December 14, 2023</p> <p>Batch 41 Applinductee Assembly</p> <p>Mapua University Student Branch Manila, Philippines</p>	<p>This is a meeting organized by the officers wherein all applicants and inductees of IEEE-MUSB are updated with the recent developments within the organization.</p>	
<p>March 3, 2023</p> <p>Finding the Real You: Self and Mental Care Webinar (partnership with UST NECES)</p> <p>University of Santo Tomas Student Branch Manila, Philippines</p>	<p>Topic: importance of self-care, self-care toolkit Speaker: Ms. Naomi N. Rosales, MA, RGC. Purpose: aims to provide awareness to students on how to manage stress to improve their mental health and well-being, especially now that the limited face-to-face classes/exams are conducted. Target Participants: UST engineering students (limited face to face) Location: Online (Zoom)</p>	
<p>March 4, 2023</p> <p>ORDO ELEKTRONIKS: Track and Career Webinar (partnership with UST NECES)</p> <p>University of Santo Tomas Student Branch Manila, Philippines</p>	<p>Topic: Microelectronics, Communications, and Instrumentation and Control Track Speaker: Asst. Prof. Edison A. Roxas, PhD, PECE. Engr. Timothy M. Amado, How to Start Micro Electronics Mr. Patrick Emmanuel Andres Engr. Jehiel D. Santos, M.Phil, Ms. Cherline Anne Perez. Engr. Michael S. Matias, Meng Mr. Piolo Gob Asst. Prof. Amante R. Garcia, MSc, PECE Purpose: serves as a guide for the current 3rd year students in their decision for their desired track in Electronics Engineering Target Participants: incoming 3rd year UST ECE students (who will be choosing their track) Location: Online (Zoom)</p>	


<p>April 15, 2023</p> <p>(TechEx2023) Artificial Intelligence in the Medical Field (Hosts)</p> <p>University of Santo Tomas Student Branch Manila, Philippines</p>	<p>Topic: Machine Learning, NeuroTechnology, Biomedical Signal Processing</p> <p>Speaker: Engr. Seigfred V. Prado, MSc, MRes, SMIEEE</p> <p>Purpose: discusses the different applications of A.I. and how it is currently used as a tool for revolutionizing today's medicine</p> <p>Target Participants:</p> <p>Location: Online (Zoom)</p>	
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B.5 Affinity Group Activities

- Young Professional (YP)

Event	Brief Description	Event Photo
<p>February 1, 2024</p> <p>IEEE Philippines Section General Membership Meeting</p>	<p>IEEE Young Professionals had a Meetup during the General Membership Meeting of IEEE Philippines Section.</p> <p>Dr. Ira Valenzuela, the outgoing IEEE YP Chair, discussed the accomplishment of YP for the past two years and the upcoming activities of the unit.</p>	
<p>January 30, 2024</p> <p>ExeCom Meeting and Election Preparation</p>	<p>IEEE Young Professionals Philippines conducted their first Executive Committee Meeting for year 2024 tackling all their activities for the year especially the upcoming election.</p>	
<p>August 3, 2023</p> <p>Webinar on Failure Analysis Engr. Aaron Aquino</p> <p>Webinar on From Concept to Orbit: Pioneering Nanosatellite Development in the Philippines Engr. Ariel Nopre Jr.</p>	<p>Topic: Failure Analysis Speaker: Engr. Aaron Aquino</p> <p>Purpose/Goals:</p> <ul style="list-style-type: none"> ● Introduce what is Failure Analysis and techniques ● Highlight the importance of failure analysis in industry practice ● Imbued students with the skills to conduct analysis with their own projects <p>Topic: From Concept to Orbit: Pioneering Nanosatellite Development in the Philippines Speaker: Engr. Ariel Nopre Jr.</p>	

<p>Attendees/Target Participants: Students and Young Professionals</p> <p>via Zoom Platform</p>	<p>Purpose/Goals:</p> <ul style="list-style-type: none"> ● Introduce nanosatellites development ● Highlight how ECE engineers are necessary and qualifications necessary to apply for scholarship from PhilSA (Philippine Space Agency) ● Encourage students to consider working with nanosatellites 	
<p>June 30, 2023</p> <p>Webinar on Soft Robotics with Engr. Rhen Bedruz</p> <p>Webinar on Leadership and Management with Engr. Ma. Arfel Malasique</p> <p>Attendees/Target Participants: Students and Young Professionals</p> <p>via Zoom Platform</p>	<p>Topic: Webinar on Soft Robotics Speaker: Engr. Rhen Bedruz</p> <p>Purpose/Goals:</p> <ul style="list-style-type: none"> ● Introduce Trends in Soft Robotics ● Encourage students to gain interest in robotics and automation <p>Attendees/Target Participants: Students and Young Professionals Location: Zoom Platform</p> <p>Topic: Leadership and Management Speaker: Engr. Ma. Arfel Malasique</p> <p>Purpose/Goals:</p> <ul style="list-style-type: none"> ● Introduce Trends in leadership and management ● Share experiences and tips inline with leadership and management ● Encourage young professionals and students to take up leadership positions 	

<p>May 18, 2023</p> <p>IEEE YP Planning Meeting</p>	<p>Topic: IEEE YP Planning Meeting</p> <p>Purpose/Goals:</p> <ul style="list-style-type: none"> • Activity Planning for 2023 • Planning for webinars, events and other matters for the year <p>Attendees/Target Participants: Officers</p> <p>Location: Zoom Platform</p>	
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- **Women In Engineering (WIE)**



February 23, 2024 - The IEEE WIE Philippines Section officers met with the AORA team last Friday,, to explore potential partnerships and upcoming events.



February 1, 2024 - IEEE WIE Philippines Meetup during the IEEE Philippines Section General Membership Meeting



January 2023 - IEEE WIE Philippines Executive Committee Meeting with IEEE PS Chair

- Life Member (LM) - None

B.6 Awards & Recognition Activities

- Award constituted by the Section - None
- Please list all Awards and Recognitions received by the Section, and members in the Section, from R 10 and IEEE HQ during the year - None

B.7 Communication Activities (Newsletter, Home Page, E-mail etc.)

- Newsletter (name and number of issues in the year)
- Home Page of the Section
<https://r10.ieee.org/philippines/> - ACTIVE
- Other means of contacts with Section members including social media
Facebook Page: <https://web.facebook.com/IEEEPhilippinesSection>



B.8 Industry Relations

- Membership growth and retention
- Activities for/with industrial members



PhilEnergy is the most comprehensive and the most attended energy trade event in the Philippines, focusing on 5 main energy profiles, namely Renewable Energy (RE), Energy Efficiency (EE), Electric and Power (E&P), Electric Vehicle (EV), as well as Energy Storage (ES). **PhilEnergy 2024** is partnered with IEEE Philippines Section.

B.9 Humanitarian Technology Activities

- Humanitarian Technology related activities supported by the Section including collaboration with other OUs.
- SIGHT Activities

B.10 Community Activities

- IEEE Social activities (Family day, IEEE day, Engineers Week)”



December 5, 2023 - IEEE PS Christmas Dinner and Year End Meeting

PART C - OTHERS

C.1 Special Events

- Please briefly describe the importance of special events and the outcomes achieved
- Funding secured from the IEEE and external sources including sponsorships
 - Received funding for IEEE Student Summit 2023

C.2 Relationship with National and International Societies and Non-Government Organizations (NGO)

- Nature of relationship and details of any formal agreement signed
- Details of joint activities
- Benefit to IEEE members (for example discounts, access to technical information etc.)
- Benefit to Section (for example help in membership development, venue facilities, cost saving etc.)



IEEE Philippines Section officers partnered some activities with the Institute of Electronics Engineers of the Philippines (IECEP), Inc. for year 2023 until 2024.

C3. Collaboration with other IEEE Sections

- Support extended to neighboring Sections
- Joint activities with any other Section

C.4 Support extended to Sub-sections & Society Chapters within the Section

- Support extended for organising technical, educational and professional activities
- Joint activities for membership development
- Support extended for the formation of a Sub-section or transition of a Sub-section into a full Section



December 8, 2023 - IEEE Chair Christian Enoval met with IEEE CSS Philippines Officers to tackle their future plans and activities

C.5 Best Practices of your Section (which you would like to share with other Sections for the benefits of members)

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C.6 Problems anticipated and suggestions for solutions, if any

PART D - GOALS AND PLANS

D.1 Continuation of project/activity in progress and their implementation plans

- We will continue to conduct activities for technical, professional and educational development
- Continue to empower our YP and WIE affinity groups
- Foster collaboration among different organizational units
- Expand our partnership with other local professional organizations to promote IEEE

D.2 Goals and Future Plans

- To host the IEEE R10 Execom Meeting in 2025. Chair Christian Enoval already mentioned to R10 Director Elect Takako Hashimoto
- To win a recognition/award by 2025