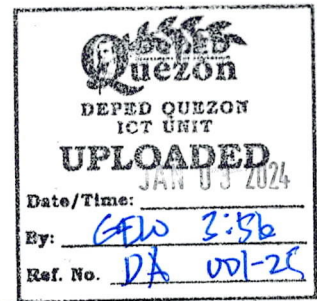




Republic of the Philippines  
**Department of Education**  
 Region IV-A  
 SCHOOLS DIVISION OF QUEZON PROVINCE



**DIVISION ADVISORY NO. 001, S. 2025**  
**January 2, 2025**

In compliance with DepEd Order (DO) No. 8, s. 2013, this advisory is issued not for endorsement as per DO 28, s. 2001, but only for the information of DepEd officials, personnel/staff, and the concerned public.  
 (Visit [www.deped.gov.ph](http://www.deped.gov.ph).)

**1<sup>st</sup> CALABARZON Science, Technology, and Engineering Mathematics Academic Marathon (STEM-A-THON) 2024**

The Batangas State University – College of Engineering – Student Council (CoE-SC) will hold the Engineering Congress 2024 with two main events one of which is **Science, Technology, Engineering, Mathematics, Academic Marathon (STEM-A-THON 2024)**, The provincial elimination round of this event will be conducted on January 24, 2025 at St. Joseph Sariaya, Quezon, Sariaya, Quezon.

This event will be conducted to carve the student’s excellence in General Mathematics, General Chemistry, Biology, Physics, and Trends, Innovations and News in Engineering and honing their potentials and interest towards engineering and technology.

Public schools that offer Senior High School are requested to send delegates to participate in the aforementioned competition with a **maximum of two (2) teams with four (4) members each.**

It is reiterated that the participation of learners and teachers from public schools will be purely voluntary and will not hamper instructional time in compliance with the provision of DepEd Order No. 09, s. 2024 titled Implementing Guidelines on the School Calendar and Activities for the School Year 2024-2025 and DepEd Order No. 9, s. 2005 titled Instituting Measures to Increase Engaged Time-on-Task and Ensuring Compliance Therewith and the policy on off-campus activities stated in DepEd Order No. 66, s. 2017.

For inquiries, you may contact Mr. Allen Karl Sabido, CoE-SC President at 09864304492 or Ms. Marianne Joyce Macaraig, Head of STEM-A-THON 2024 at 09914749890.

Please see attached communications for more details

*cid-ims/ceao/jfz/01/02/2025*

DEPEDQUEZON-TM-SDS-04-011-003



Address: Sitio Fori, Brgy. Talipan, Pagbilao, Quezon  
 Trunkline #: (042) 784-0366, (042) 784-0164,  
 (042) 784-0391, (042) 784-0321



DepEdTayoQuezon



[www.depedquezon.com.ph](http://www.depedquezon.com.ph)



[quezon@deped.gov.ph](mailto:quezon@deped.gov.ph)



December 1, 2024

**Mr. ROMMEL C. BAUTISTA**  
Schools Division Superintendent, Division of Quezon Province

Dear Mr. Bautista:

Greetings in the name of engineering and innovation!

The College of Engineering - Student Council (CoE-SC), as one of the socio-civic organizations and the highest student governing body of the College of Engineering - Alangilan, has always been committed to fostering academic excellence along with the spirit of unity, decency, and loyalty; to develop a high sense of moral, social, and spiritual responsibilities to produce a high standard of scholastic values in our chosen field.

We will be conducting **Engineering Congress 2024** with the theme "*Engineering Evolutions through Elemental Innovations Towards Paramount Assemblage*". This event is the **celebration of the Engineering Day of the College of Engineering** highlighting the achievements of its 21 engineering programs, all united in the goal of **amplifying the University's engineering excellence**. In collaboration with the **Office of the Dean - College of Engineering, Office of Student Organizations, and Center for Innovation in Engineering Education** there will be two main events one of which is the **Science, Technology, Engineering, Mathematics, Academic Marathon (STEM-A-THON 2024)** - an invitational quiz bee for senior high school STEM students across the region. This event aims to guide STEM students in our region and provide them with valuable insights into engineering education.

The **provincial elimination round** of this event will be conducted on **January 24, 2025** at **St. Joseph Academy of Sariaya, Quezon, Sariaya, Quezon** while its **final round** is scheduled for **World Engineering Day 2025 at STEER HUB, BatStateU The NEU Alangilan** which will be facilitated by the **organization's officers**, along with **selected faculty members**

This event will be conducted to carve the student's excellence in **General Mathematics, General Chemistry, Biology, Physics, and Trends, Innovation, and News in Engineering** and honing their potentials and interest towards engineering and technology.

In this regard, we would like to request permission from your well-established office to allow public secondary schools that offer **Senior High School, throughout the Division of Quezon Province** to send delegates to participate in the aforementioned competition with a **maximum of two (2) teams with four (4) members each**. Consequently, participating schools in **STEM-A-THON 2024** are requested to **fill out the registration form below on or before January 6, 2025** for the proper enlisting of participants

Link to **STEM-A-THON 2024** Registration Forms:  
<https://tinyurl.com/STEM-A-THON-REGISTRATION>

For inquiries, you may contact **Mr. Allen Karl Sabido**, CoE SC President at **09864304492** or **Ms. Marianne Joyce Macaraig**, Head of STEM-A-THON 2024 at **09914749890** or through our email at [coesc.alangilan@g.batstate-u.edu.ph](mailto:coesc.alangilan@g.batstate-u.edu.ph)

Your approval on this topic will be greatly appreciated. Thank you!

In the name of service,

  
**MARIENNE JOYCE MACARAIG**  
Head, STEM-A-THON 2024

  
**ALLEN KARL M. SABIDO**  
President, CoE - Student Council

Noted by:

  
**Ms. LARA DAWN D. CALINGASAN**  
Adviser, CoE - Student Council

## EXECUTIVE COMMITTEE A.Y. 2024-2025

**Allen Karl Sabido**  
President

**Aaron Gabrielle Alday**  
Executive Vice President

**Marianne Joyce Macaraig**  
VP for Engineering

**Cassandra Joy Rodelas**  
VP for SD

**Rhejel Dave Crisporo**  
Secretary for Internal Affairs

**Kurt Neo Sambile**  
Secretary for External Affairs

**Danish Ara Dela Cruz**  
Assistant Secretary

**Jane Xyrene Villanueva**  
Treasurer for Internal Affairs

**Angela Kaye Lupac**  
Treasurer for External Affairs

**John Ric Bianzon**  
Assistant Treasurer

**Daniel C. David**  
Auditor

**Jhon Brix Aguila**  
Business Manager 1

**Pearl Mariel Yolola**  
Business Manager 2

**Olivia Marie Yssabel Lopez**  
Press Relation Officer 1

**Christian Andrei Generoso**  
Press Relation Officer 2

**Lara Dawn Calingasan**  
Adviser

**COE  
SC**



**EXECUTIVE COMMITTEE  
 A.Y. 2024-2025**

**Allen Karl Sabido**  
*President*

**Aaron Gabrielle Alday**  
*Executive Vice President*

**Marianne Joyce Macaraig**  
*VP for Engineering*

**Casandra Joy Rodelas**  
*VP for SD*

**Rhejel Dave Crisporo**  
*Secretary for Internal Affairs*

**Kurt Neo Sambile**  
*Secretary for External Affairs*

**Danish Ara Dela Cruz**  
*Assistant Secretary*

**Jane Xyrene Villanueva**  
*Treasurer for Internal Affairs*

**Angela Kaye Lupac**  
*Treasurer for External Affairs*

**John Ric Bianzon**  
*Assistant Treasurer*

**Daniel C. David**  
*Auditor*

**Jhon Brix Aguila**  
*Business Manager 1*

**Pearl Mariel Yolola**  
*Business Manager 2*

**Olivia Marle Yssabel Lopez**  
*Press Relation Officer 1*

**Christian Andrei Generoso**  
*Press Relation Officer 2*

**Lara Dawn Calingasan**  
*Adviser*



# 1<sup>st</sup> CALABARZON Science, Technology, and Engineering Mathematics Academic Marathon (STEM-A-THON) 2024

(Partnership Primer)



## EXECUTIVE COMMITTEE A.Y. 2024-2025

**Allen Karl Sabido**  
*President*

**Aaron Gabrielle Alday**  
*Executive Vice-President*

**Marienne Joyce Macaraig**  
*VP for Engineering*

**Casandra Joy Rodelas**  
*VP for SD*

**Rhejel Dave Crisporo**  
*Secretary for Internal Affairs*

**Kurt Neo Sambile**  
*Secretary for External Affairs*

**Danish Ara Dela Cruz**  
*Assistant Secretary*

**Jane Xyrene Villanueva**  
*Treasurer for Internal Affairs*

**Angela Kaye Lupac**  
*Treasurer for External Affairs*

**John Ric Bianzon**  
*Assistant Treasurer*

**Daniel C. David**  
*Auditor*

**Jhon Brix Aguila**  
*Business Manager 1*

**Pearl Mariel Yolola**  
*Business Manager 2*

**Olivia Marie Yssabel Lopez**  
*Press Relation Officer 1*

**Christian Andrei Generoso**  
*Press Relation Officer 2*

**Lara Dawn Calingasan**  
*Adviser*

**COE  
SC**

## ABOUT

### ***Batangas State University, The National Engineering University***

Batangas State University, The National Engineering University is a Level IV state university in the province of Batangas, Philippines. Established in 1903. The university is strategically located in the second largest economic region in the Philippines, which puts it at a prime position not only as a premier provider of higher and advanced learning, but also as a viable economic development zone.

As one of the country's model higher education institutions recognized by the Commission on Higher Education (CHED), BatStateU, The NEU is the first and thus far the only state university in the Philippines with engineering, IT, and computer science programs accredited by the Accreditation Board for Engineering and Technology (ABET) - Engineering Accreditation Commission and Computing Accreditation Commission. With 15 development centers, it is recognized by the Regional Development Council of Region IV-A as the Regional Center for Technology Business Incubation and Development, and as the Regional Center for Science, Technology, Engineering, and Environment Research.

With over 40,000 students facilitated by 1,700 faculty and staff in 11 campuses, Batangas State University remains steadfast in its adherence to international standards. It was given a three-star rating by Quacquarelli Symonds Stars University rating, and is part of the Top Universities list. Through Proclamation No. 947, President Rodrigo Roa Duterte designated the BatStateU Knowledge, Innovation, and Science Technology or KIST Park as a Special Economic Zone. It is the first KIST Park registered by the Philippine Economic Zone Authority or PEZA.



**EXECUTIVE COMMITTEE  
 A.Y. 2024-2025**

**Allen Karl Sabido**  
*President*

**Aaron Gabrielle Alday**  
*Executive Vice President*

**Marienne Joyce Macaraig**  
*VP for Engineering*

**Cassandra Joy Rodelas**  
*VP for SD*

**Rhejel Dave Crisporo**  
*Secretary for Internal Affairs*

**Kurt Neo Sambile**  
*Secretary for External Affairs*

**Danish Ara Dela Cruz**  
*Assistant Secretary*

**Jane Xyrene Villanueva**  
*Treasurer for Internal Affairs*

**Angela Kaye Lupac**  
*Treasurer for External Affairs*

**John Ric Bianzon**  
*Assistant Treasurer*

**Daniel C. David**  
*Auditor*

**Jhon Brix Aguila**  
*Business Manager 1*

**Pearl Mariel Yolola**  
*Business Manager 2*

**Olivia Marie Yssabel Lopez**  
*Press Relation Officer 1*

**Christian Andrei Generoso**  
*Press Relation Officer 2*

**Lara Dawn Calingasan**  
*Adviser*



**ABOUT**

**College of Engineering - Student Council**

The College of Engineering - Student Council (CoE Alangilan-SC) has long been at the forefront of leadership and excellence within Batangas State University - The National Engineering University, embodying a legacy of commitment to student development and community service. The Council has championed numerous goals and spearheaded community-driven initiatives, launching various projects that support the academic and holistic growth of students while fostering a culture of innovation and collaboration.

The council was formerly known as the College of Engineering, Architecture, Fine Arts, and Computing Sciences - Student Council (CEAFACS - SC). In 2011, in line with the changing of the name of the college, the council was then named College of Engineering, Architecture, and Fine Arts - Student Council (CEAFA - SC). In 2022, in line with the restructuring of the College of Engineering, Architecture and Fine Arts (CEAFA), it was separated to form two colleges: the College of Engineering (CoE) and College of Architecture, Fine Arts, and Design (CAFAD) - and so the college council. The council is now called the College of Engineering Alangilan - Student Council (CoE Alangilan-SC).

Throughout its history, the Council has remained dedicated to upholding the core values of the University, combining technical knowledge with a broad range of skills and attitudes to nurture students into becoming future innovators and leaders. It has consistently prioritized initiatives that enhance student engagement and academic excellence, such as hosting symposiums, technical workshops, and competitions, which provide invaluable learning experiences beyond the classroom.

Committed to the University's vision and mission, the CoE Alangilan-SC strives to produce high-caliber professionals who are not only technically proficient but also socially responsible and proactive in addressing the challenges of the 21st century. The Council's ongoing efforts ensure that its members are equipped to contribute meaningfully to nation-building and to lead in the advancement of engineering and technology in the Philippines. Partnering with the CoE Alangilan-SC means supporting an organization that is dedicated to shaping the next generation of Filipino engineers and innovators.



**EXECUTIVE COMMITTEE  
 A.Y. 2024-2025**

**Allen Karl Sabido**  
*President*

**Aaron Gabrielle Alday**  
*Executive Vice President*

**Marienne Joyce Macaraig**  
*VP for Engineering*

**Casandra Joy Rodelas**  
*VP for SD*

**Rhejel Dave Crisporo**  
*Secretary for Internal Affairs*

**Kurt Neo Sambile**  
*Secretary for External Affairs*

**Danish Ara Dela Cruz**  
*Assistant Secretary*

**Jane Xyrene Villanueva**  
*Treasurer for Internal Affairs*

**Angela Kaye Lupac**  
*Treasurer for External Affairs*

**John Ric Bianzon**  
*Assistant Treasurer*

**Daniel C. David**  
*Auditor*

**Jhon Brix Aguila**  
*Business Manager 1*

**Pearl Mariel Yolola**  
*Business Manager 2*

**Olivia Marie Yssabel Lopez**  
*Press Relation Officer 1*

**Christian Andrei Generoso**  
*Press Relation Officer 2*

**Lara Dawn Calingasan**  
*Adviser*



**College of Engineering  
 Twenty One (21) Program Organizations**



**ABMES - Association of Biomedical Engineering Students**



**ACerES - Association of Ceramics Engineering Students**



**ACES - Association of Civil Engineering Students**



**AEROESS - Aerospace Engineering Students' Society**



**AFES - Association of Food Engineering Students**



**AICES - Association of Instrumentation and Control Engineering Students**



**ATEs - Association of Transportation Engineering Students**



**CURSOR - Computer Engineering Students Organization**



Republic of the Philippines  
Batangas State University  
The National Engineering University  
College of Engineering - Student Council  
Golden Country Homes, Alangilan, Batangas City



**EXECUTIVE COMMITTEE  
A.Y. 2024-2025**

**Allen Karl Sabido**  
*President*

**Aaron Gabrielle Alday**  
*Executive Vice President*

**Marienne Joyce Macaraig**  
*VP for Engineering*

**Cassandra Joy Rodelas**  
*VP for SD*

**Rhejel Dave Crisporo**  
*Secretary for Internal Affairs*

**Kurt Neo Sambile**  
*Secretary for External Affairs*

**Danish Ara Dela Cruz**  
*Assistant Secretary*

**Jane Xyrene Villanueva**  
*Treasurer for Internal Affairs*

**Angela Kaye Lupac**  
*Treasurer for External Affairs*

**John Ric Bianzon**  
*Assistant Treasurer*

**Daniel C. David**  
*Auditor*

**Jhon Brix Aguila**  
*Business Manager 1*

**Pearl Mariel Yolola**  
*Business Manager 2*

**Olivia Marie Yssabel Lopez**  
*Press Relation Officer 1*

**Christian Andrei Generoso**  
*Press Relation Officer 2*

**Lara Dawn Calingasan**  
*Adviser*



**JIIEE - Junior Institute of Integrated  
Electrical Engineers**



**JPICHE - Junior Philippine Institute  
of Chemical Engineers**



**JPIIE - Junior Philippine Institute of  
Industrial Engineers**



**JSMEP - Junior Society of  
Metallurgical Engineers of the  
Philippines**



**JSONAME - Junior Society Of Naval  
Architects and Marine Engineers**



**MESS - Mechanical Engineering  
Student Society**



**MEXESS - Mechatronics Engineering  
Students Society**



**PSSE - Philippine Society of Sanitary  
Engineers**



**SAES - Society of Automotive  
Engineering Students**



**SAGE - Student Association of  
Geological Engineers**



Republic of the Philippines  
Batangas State University  
The National Engineering University  
College of Engineering - Student Council  
Golden Country Homes, Alangilan, Batangas City



## EXECUTIVE COMMITTEE A.Y. 2024-2025

**Allen Karl Sabido**  
*President*

**Aaron Gabrielle Alday**  
*Executive Vice President*

**Marienne Joyce Macaraig**  
*VP for Engineering*

**Cassandra Joy Rodelas**  
*VP for SD*

**Rhejel Dave Crisporo**  
*Secretary for Internal Affairs*

**Kurt Neo Sambile**  
*Secretary for External Affairs*

**Danish Ara Dela Cruz**  
*Assistant Secretary*

**Jane Xyrene Villanueva**  
*Treasurer for Internal Affairs*

**Angela Kaye Lupac**  
*Treasurer for External Affairs*

**John Ric Bianzon**  
*Assistant Treasurer*

**Daniel C. David**  
*Auditor*

**Jhon Brix Aguila**  
*Business Manager 1*

**Pearl Mariel Yolola**  
*Business Manager 2*

**Olivia Marie Yssabel Lopez**  
*Press Relation Officer 1*

**Christian Andrei Generoso**  
*Press Relation Officer 2*

**Lara Dawn Calingasan**  
*Adviser*

**COE  
SC**

**SPE BatStateU-SC - Society of  
Petroleum Engineers BatStateU  
Student Chapter**

**SPWLA - Society of Petrophysicists  
and Well Log Analysts BatStateU SC**





**EXECUTIVE COMMITTEE  
 A.Y. 2024-2025**

**Allen Karl Sabido**  
*President*

**Aaron Gabrielle Alday**  
*Executive Vice-President*

**Marlene Joyce Macaraig**  
*VP for Engineering*

**Cassandra Joy Rodelas**  
*VP for SD*

**Rhejel Dave Crisporo**  
*Secretary for Internal Affairs*

**Kurt Neo Sambile**  
*Secretary for External Affairs*

**Danish Ara Dela Cruz**  
*Assistant Secretary*

**Jane Xyrene Villanueva**  
*Treasurer for Internal Affairs*

**Angela Kaye Lupac**  
*Treasurer for External Affairs*

**John Ric Bianzon**  
*Assistant Treasurer*

**Daniel C. David**  
*Auditor*

**Jhon Brix Aguila**  
*Business Manager 1*

**Pearl Mariel Yolola**  
*Business Manager 2*

**Olivía Marie Yssabel Lopez**  
*Press Relation Officer 1*

**Christian Andrei Generoso**  
*Press Relation Officer 2*

**Lara Dawn Calingasan**  
*Adviser*



**ABOUT**

**1st CALABARZON STEM-A-THON 2025: Science, Technology, and Engineering Mathematics Academic Marathon**

STEM-A-THON is designed to provide a platform for the region's most promising students to demonstrate their knowledge, critical thinking, and problem-solving abilities through a series of rigorous and engaging challenges. By bringing together young scholars from diverse schools, the event aspires to enhance their skills, broaden their perspectives, and inspire a deeper appreciation for STEM disciplines.

The concept of STEMATHON traces its roots back to *Marathon of the Minds*, an engineering quiz bee hosted by the College of Engineering, Architecture, and Fine Arts Student Council (CEAFA SC). After the global pandemic, it became the first inter-school engineering quiz bee, marking the council's resilience and dedication to fostering academic excellence despite unprecedented challenges. Building on this, STEMATHON now covers Science, Technology, Engineering, and Mathematics, promoting intellectual excellence and innovation across multiple disciplines. The *STEM-A-THON 2023*, held last November 29, 2023, featured over five (5) schools, including those from the two largest cities in Batangas Province—Lipa City and Batangas City. The University of Batangas emerged as the champion of the event.

This year's STEM-A-THON, marks the launch of its groundbreaking *provincial division* aimed at setting a pioneering benchmark for senior high school students in the fields of Science, Technology, Engineering, and Mathematics (STEM). STEM-A-THON 2024 will begin with provincial eliminations, where schools will compete in central areas of their provinces. Only five qualifiers from each province will advance to the finals, to be held at Batangas State University - The National Engineering University Campus.

Batangas State University - The National Engineering University is steadfast in its mission to cultivate the next generation of visionary innovators and leaders who will shape the future of the country. As a premier institution of higher learning, the University is committed to fostering academic excellence and research-driven innovation, equipping students with the knowledge, skills, and ethical values required to excel in an ever-evolving global landscape.

Aligned with this mission, the College of Engineering is dedicated to the holistic development of its students, providing a



## EXECUTIVE COMMITTEE A.Y. 2024-2025

**Allen Karl Sabido**  
*President*

**Aaron Gabrielle Alday**  
*Executive Vice-President*

**Marienne Joyce Macaraig**  
*VP for Engineering*

**Cassandra Joy Rodelas**  
*VP for SD*

**Rhejel Dave Crisporo**  
*Secretary for Internal Affairs*

**Kurt Neo Sambile**  
*Secretary for External Affairs*

**Danish Ara Dela Cruz**  
*Assistant Secretary*

**Jane Xyrene Villanueva**  
*Treasurer for Internal Affairs*

**Angela Kaye Lupac**  
*Treasurer for External Affairs*

**John Ric Bianzon**  
*Assistant Treasurer*

**Daniel C. David**  
*Auditor*

**Jhon Brix Aguila**  
*Business Manager 1*

**Pearl Mariel Yolola**  
*Business Manager 2*

**Olivia Marie Yssabel Lopez**  
*Press Relation Officer 1*

**Christian Andrei Generoso**  
*Press Relation Officer 2*

**Lara Dawn Calingasan**  
*Adviser*



rigorous academic foundation complemented by opportunities for hands-on experience, research, and community engagement.

### I. OBJECTIVES

Aligned with the college's vision and mission, the STEM-A-THON 2024 aims:

- To encourage students to deepen their knowledge and understanding of the STEM subjects through engaging and healthy competition.
- To promote various engineering programs offered by Batangas State University, The NEU that molds world-class engineers.
- To provide a platform where students can demonstrate their proficiency in STEM subjects while promoting a spirit of sportsmanship and camaraderie among participants from different schools and provinces.
- To create a platform for students, educators, and industry experts to connect and share knowledge that promote a supportive engineering community.
- To recognize and celebrate the outstanding academic achievements of senior high school students from Cavite, Laguna, Batangas, Rizal, and Quezon, showcasing the region's potential in producing future leaders and innovators.

### II. Target SDGs:

SDG 4: Quality Education

SDG 8: Decent Work and Economic Growth

SDG 9: Industry, Innovation, and Infrastructure

SDG 17: Partnerships for the Goals

### III. CORE TEAM

**1st CALABARZON STEM-A-THON 2024: Science, Technology, and Engineering Mathematics Academic Marathon**

**Marienne Joyce Macaraig**

Event Head / VP for Engineering

0991 474 9890 | 21-03117@g.batstate-u.edu.ph

**Allen Karl M. Sabido**

Event Co-Head / President

0917 365 4592 | 20-09237@g.batstate-u.edu.ph



## EXECUTIVE COMMITTEE A.Y. 2024-2025

**Allen Karl Sabido**  
*President*

**Aaron Gabrielle Alday**  
*Executive Vice President*

**Marianne Joyce Macaraig**  
*VP for Engineering*

**Cassandra Joy Rodelas**  
*VP for SD*

**Rhejel Dave Crisporo**  
*Secretary for Internal Affairs*

**Kurt Neo Sambile**  
*Secretary for External Affairs*

**Danish Ara Dela Cruz**  
*Assistant Secretary*

**Jane Xyrene Villanueva**  
*Treasurer for Internal Affairs*

**Angela Kaye Lupac**  
*Treasurer for External Affairs*

**John Ric Bianzon**  
*Assistant Treasurer*

**Daniel C. David**  
*Auditor*

**Jhon Brix Aguila**  
*Business Manager 1*

**Pearl Mariel Yolola**  
*Business Manager 2*

**Olivia Marie Yssabel Lopez**  
*Press Relation Officer 1*

**Christian Andrei Generoso**  
*Press Relation Officer 2*

**Lara Dawn Calingasan**  
*Adviser*



## IV. WHY PARTNER WITH US?

The **1st CALABARZON STEM-A-THON** presents an unparalleled opportunity for schools to collaborate in an event that brings together over 100 participating schools, including 20 from the **CALABARZON** region (**Cavite, Laguna, Batangas, Rizal, and Quezon**). This initiative fosters academic excellence and strengthens partnerships within the academic community, empowering future leaders in Science, Technology, Engineering, and Mathematics (STEM). By partnering with us, schools have the chance to elevate their institutional presence, gain recognition for championing STEM education, and collaborate with like-minded educators and students across the region.

## COLLABORATION & EXCELLENCE

The **1st CALABARZON STEM-A-THON 2025** emphasizes building a network of schools that share the common goal of nurturing academic brilliance and innovative thinking in STEM fields. Through this partnership, schools can showcase their commitment to creating opportunities for their students, positioning themselves as leaders in progressive education. Schools that participate gain not only visibility but also access to a community of educators and students focused on collaborative learning and regional growth in the STEM sector.

## EXPANDED REACH & ENGAGEMENT

The **1st CALABARZON STEM-A-THON 2025** emphasizes building a network of schools that share the common goal of nurturing academic brilliance and innovative thinking in STEM fields. Through this partnership, schools can showcase their commitment to creating opportunities for their students, positioning themselves as leaders in progressive education. Schools that participate gain not only visibility but also access to a community of educators and students focused on collaborative learning and regional growth in the STEM sector.

## ENHANCED SCHOOL VISIBILITY

This partnership will place your school at the forefront of regional educational initiatives. Schools involved will be acknowledged across event materials, social media channels, and key segments of the event program, highlighting their contribution to STEM education. By supporting the STEM-A-THON, your institution can affirm its leadership in the region's academic development and help champion excellence in education and innovation.



## V. PROGRAM FLOW

### EXECUTIVE COMMITTEE A.Y. 2024-2025

**Allen Karl Sabido**  
*President*

**Aaron Gabrielle Alday**  
*Executive Vice-President*

**Marlene Joyce Macaraig**  
*VP for Engineering*

**Cassandra Joy Rodelas**  
*VP for SD*

**Rhejel Dave Crisporo**  
*Secretary for Internal Affairs*

**Kurt Neo Sambile**  
*Secretary for External Affairs*

**Danish Ara Dela Cruz**  
*Assistant Secretary*

**Jane Xyrene Villanueva**  
*Treasurer for Internal Affairs*

**Angela Kaye Lupac**  
*Treasurer for External Affairs*

**John Ric Bianzon**  
*Assistant Treasurer*

**Daniel C. David**  
*Auditor*

**Jhon Brix Aguila**  
*Business Manager 1*

**Pearl Mariel Yolola**  
*Business Manager 2*

**Olivia Marie Yssabel Lopez**  
*Press Relation Officer 1*

**Christian Andrei Generoso**  
*Press Relation Officer 2*

**Lara Dawn Calingasan**  
*Adviser*

**COE  
SC**

PROPOSED PROGRAM FOR REGIONAL ELIMINATION	
Venue: Selected Host School-Partners in CALABARZON	
Time	Title <i>Person/s-in-Charge</i>
6:00 am - 7:30 am	Arrival of Organizers to the Host School-Partner
7:30 am - 10:00 am	Preparation and Set-up of Organizers
10:00 am - 10:40 am	Arrival of Participating Teams Registration of Participants
10:40 am - 10:50 am	Opening Prayer and National Anthem <b>AUDIO VISUAL PRESENTATION</b>
10:50 am - 10:55 am	Roll Call of Participating Schools
10:55 am - 11:00 am	Welcoming Remarks <b>PRINCIPAL/SCHOOL HEAD</b> Host School-Partner
11:00 am - 11:05 am	Message <b>BOARD OF JUDGES</b> BatStateU Organizing Team
11:05 am - 11:10 am	Intermission Number Selected Student from Host School-Partner
11:10 am - 12:10 pm	LUNCH TIME
12:10 am - 12:15 pm	Reading of Eligibility Rules and Guidelines <b>MEMBER</b> BatStateU Organizing Team
12:15 pm - 1:45 pm	<b>Competition Proper</b> Easy Round Average Round
1:45 pm - 2:00 pm	Break Time
02:40 pm - 03:20 pm	Difficult Round
03:20 pm - 03:25 pm	Clincher Round
03:25 pm - 03:30 pm	Intermission Number Selected Student from Host School-Partner
03:30 pm - 04:00 pm	Awarding Ceremony

Table 1. Program Flow for Regional Elimination on January 24, 2025



**EXECUTIVE COMMITTEE  
A.Y. 2024-2025**

**Allen Karl Sabido**  
*President*

**Aaron Gabrielle Alday**  
*Executive Vice President*

**Marienne Joyce Macaraig**  
*VP for Engineering*

**Cassandra Joy Rodelas**  
*VP for SD*

**Rhejel Dave Crisporo**  
*Secretary for Internal Affairs*

**Kurt Neo Sambile**  
*Secretary for External Affairs*

**Danish Ara Dela Cruz**  
*Assistant Secretary*

**Jane Xyrene Villanueva**  
*Treasurer for Internal Affairs*

**Angela Kaye Lupac**  
*Treasurer for External Affairs*

**John Ric Banzon**  
*Assistant Treasurer*

**Daniel C. David**  
*Auditor*

**Jhon Brix Aguila**  
*Business Manager 1*

**Pearl Mariel Yolola**  
*Business Manager 2*

**Olivia Marie Yssabel Lopez**  
*Press Relation Officer 1*

**Christian Andrei Generoso**  
*Press Relation Officer 2*

**Lara Dawn Calingasan**  
*Adviser*



**FINAL ROUND PROGRAMME**

*Venue: STEER Hub*

<b>Time</b>	<b>Title Person/s-in-Charge</b>
7:00 am - 8:00 am	Arrival of Participants
8:00 am - 8:05 am	Safety Briefing Audio-Visual Presentation
8:05 am - 8:20 am	Opening Prayer, National Anthem
8:20 am - 8:40 am	Roll Call of Participating Schools
8:40 am - 8:45 am	Opening Remarks <b>Dr. CRISTINA AMOR M. ROSALES</b> Dean, College of Engineering - BatStateU The NEU Alangilan
8:45 am - 8:50 am	Inspirational Message <b>Dr. TIRSO A. RONQUILLO</b> President, Batangas State University, The National Engineering University
8:50 am - 9:00 am	Message <b>Assoc. Prof DIVINA GRACIA D. RONQUILLO</b> Coordinator, Center for Innovation in Engineering Education
9:00 am - 9:05 am	Message <b>Mr. JEFFERSON I. CAÑADA</b> Head, Office of Student Organizations
9:05am - 9:20am	Break Time
9:20 am - 9:30 am	Reading of Guidelines <b>MARIENNE JOYCE M. MACARAIG</b> Head, STEM-A-THON 2024
9:30 am - 10:25 am	Easy Round and Average Round
10:25 am - 11:00 am	Difficult Round
11:00 am - 11:15am	Clincher Round
11:15am - 11:20 am	Intermission Number
11:20 am - 12:30 pm	Lunch Break
12:30 pm - 1:00 pm	Awarding Ceremony
1:00 pm - 1:05 pm	Closing Remarks <b>Mr. ALLEN KARL M. SABIDO</b> President, College of Engineering - Student Council

Table 2. Program Flow for STEM-A-THON 2025 Final Round



**EXECUTIVE COMMITTEE  
A.Y. 2024-2025**

**Allen Karl Sabido**  
*President*

**Aaron Gabrielle Alday**  
*Executive Vice-President*

**Marienne Joyce Macaraig**  
*VP for Engineering*

**Cassandra Joy Rodelas**  
*VP for SD*

**Rhejel Dave Crisporo**  
*Secretary for Internal Affairs*

**Kurt Neo Sambile**  
*Secretary for External Affairs*

**Danish Ara Dela Cruz**  
*Assistant Secretary*

**Jane Xyrene Villanueva**  
*Treasurer for Internal Affairs*

**Angela Kaye Lupac**  
*Treasurer for External Affairs*

**John Ric Bianzon**  
*Assistant Treasurer*

**Daniel C. David**  
*Auditor*

**Jhon Brix Aguila**  
*Business Manager 1*

**Pearl Mariel Yolola**  
*Business Manager 2*

**Olivia Marie Yssabel Lopez**  
*Press Relation Officer 1*

**Christian Andrei Generoso**  
*Press Relation Officer 2*

**Lara Dawn Calingasan**  
*Adviser*



**VI. Guidelines of the Event**

**ELIGIBILITY RULES**

1. All participants should be **currently enrolled senior high school students** taking **Science, Technology, Engineering, and Mathematics Strand** regardless of year level.
2. Each school may form **at most two (2) teams** as their representative. Each team can be formed of **three (3) or four (4) members**.
3. Each participating team must send its confirmation on or before **January 6, 2025**.
4. All participants are required to fill out the registration form using this link: <https://tinyurl.com/STEM-A-THON-REGISTRATION>. Likewise, identification of the coach and students must be presented upon entrance to the contest venue.
5. There will be **NO REGISTRATION FEE** for all participating teams.
6. This contest will have two rounds: the **elimination round** and the **final round**. **Elimination Round** shall take place according to the province where the school is located. Please be guided by the table below.

PROVINCIAL ELIMINATION ROUND		
PROVINCE	LOCATION (tentative)	DATE
Cavite	Bacoor National High School, Bacoor, Cavite	January 24, 2025 10:00AM - 4:00PM
Laguna	Mary Help of Christians College - Salesian Sisters Inc., Calamba, Laguna	
Batangas	Lipa City Science Integrated National High School, Lipa City, Batangas	
Rizal	Rizal National Science High School, Binangonan, Rizal	
Quezon	Quezon National High School, Lucena City, Quezon	
	St. Joseph Academy of Sariaya, Quezon, Sariaya, Quezon	

Table 3. Proposed Venues for Regional Elimination

7. The **Top 5 per province** shall advance to the Final Round scheduled on **March 4, 2025**, at the Science, Technology, Engineering, and Environment Research Hub (STEER Hub), BatStateU, The NEU Alangilan Campus, Batangas City, Batangas. Participants who fail to advance to the final round will receive a Certificate of Participation. A map shall be provided with the confirmation email for the convenience teams coming from varied provinces.



**EXECUTIVE COMMITTEE  
A.Y. 2024-2025**

**Allen Karl Sabido**  
*President*

**Aaron Gabrielle Alday**  
*Executive Vice-President*

**Marienne Joyce Macaraig**  
*VP for Engineering*

**Cassandra Joy Rodelas**  
*VP for SD*

**Rhejel Dave Crisporo**  
*Secretary for Internal Affairs*

**Kurt Neo Sambile**  
*Secretary for External Affairs*

**Danish Ara Dela Cruz**  
*Assistant Secretary*

**Jane Xyrene Villanueva**  
*Treasurer for Internal Affairs*

**Angela Kaye Lupac**  
*Treasurer for External Affairs*

**John Ric Bianzon**  
*Assistant Treasurer*

**Daniel C. David**  
*Auditor*

**Jhon Brix Aguila**  
*Business Manager 1*

**Pearl Mariel Yolola**  
*Business Manager 2*

**Olivia Marie Yssabel Lopez**  
*Press Relation Officer 1*

**Christian Andrei Generoso**  
*Press Relation Officer 2*

**Lara Dawn Calingasan**  
*Adviser*



TOP 5 ELIMINATION ROUND	
Rank 1	- Plaque for each Team - Certification of Recognition - Spot in the Final Round
Rank 2	- Plaque for each Team - Certification of Recognition - Spot in the Final Round
Rank 3	- Plaque for each Team - Certification of Recognition - Spot in the Final Round
Rank 4	- Plaque for each Team - Certification of Recognition - Spot in the Final Round
Rank 5	- Plaque for each Team - Certification of Recognition - Spot in the Final Round

Table 4. Prizes for Top 5 Schools Per Province prior to Finals

**GENERAL RULES: ELIMINATION ROUND**

1. BatStateU, The NEU's STEM-A-THON 2024: Science, Technology, and Engineering Mathematics Academic Marathon is a team competition. A team is composed of **one (1) team coach**, and of **three (3) or four (4) members** to represent each school. However, **only three (3) shall be on stage during the contest proper**. The other one shall act as an alternate.
2. Each contestant is allowed to bring **only one (1) non-programmable calculator** and his/her pens (**3 calculators for each team**). However, the **use of calculators in the mathematics category is not allowed**. All calculators must be inspected prior to the examination. Answer sheets, board markers, scratch papers shall be provided by the organizers.
3. There shall be three rounds: **Easy, Average, and Difficult**. Easy and Average Round is composed of 15 questions while the Difficult Round is composed of 10 questions.

Round	Time	Type of Question	Total Points
<b>Easy</b>	20 seconds	10 Multiple Choice 5 Identification	100 Points
<b>Average</b>	45 seconds	10 Identification 5 Problem Solving	200 Points
<b>Difficult</b>	1 minute	10 Problem Solving	300 Points

Table 5. Number of Questions, Points and Time for each Round

The pointing system shall be as follows:



Type of Question	Equivalent Points
Multiple Choice	5
Identification	10
Problem Solving	20

Table 6. Pointing System for each type of Question

**EXECUTIVE COMMITTEE  
A.Y. 2024-2025**

**Allen Karl Sabido**  
President

**Aaron Gabrielle Alday**  
Executive Vice-President

**Marlene Joyce Macaraig**  
VP for Engineering

**Cassandra Joy Rodelas**  
VP for SD

**Rhejel Dave Crisporo**  
Secretary for Internal Affairs

**Kurt Neo Sambile**  
Secretary for External Affairs

**Danish Ara Dela Cruz**  
Assistant Secretary

**Jane Xyrene Villanueva**  
Treasurer for Internal Affairs

**Angela Kaye Lupac**  
Treasurer for External Affairs

**John Ric Bianzon**  
Assistant Treasurer

**Daniel C. David**  
Auditor

**Jhon Brix Aguilá**  
Business Manager 1

**Pearl Mariel Yolola**  
Business Manager 2

**Olivia Marie Yssabel Lopez**  
Press Relation Officer 1

**Christian Andrei Generoso**  
Press Relation Officer 2

**Lara Dawn Calingasan**  
Adviser



**QUIZ PROPER**

**1. SCOPE.**

Questions that will be given in the quiz competition will be taken from the following areas: **Mathematics, Physics, Biology, General Chemistry, Trends, Innovations, and News in Engineering.**

**2. TIME LIMIT.**

Contestants shall be given a **time limit to answer the questions.** Each question will be **read twice by the quiz master.** The question will be displayed right after the first reading of the question. Likewise, all teams can only start answering after the first reading of the question. **Timing will start after the question has been read twice.**

**3. FINAL ANSWERS.**

Each team must write their answer on the provided answer sheet. Final answers shall be **ENCIRCLED, only CAPITALIZED LETTERS** shall be used for the **MULTIPLE-CHOICE type** and **CORRECT SPELLING** must be observed for the **IDENTIFICATION type.**

Rounding off calculated numerical values should be done on the final answers only. All constants to be used in the calculations should be of **four (4) decimal places** to maintain the accuracy of the final answers. Free-floating decimals should be kept during the preliminary calculations. All final answers should be written up to **two (2) decimal places unless otherwise stated by the problem.** Correct units should also be observed.

**4. VIOLATION.**

Failure of a team to raise the answer sheet upon the quizmaster's declaration of time expiration is considered an **offense.** On the first offense, the team will be issued a **warning.** A second offense will make the team's answer to the question **void.** **After three offenses, the team will be automatically DISQUALIFIED.** Coaching or giving audible/visible signals in any form to the contestants shall result in the **invalidation** of the given question.





**EXECUTIVE COMMITTEE  
A.Y. 2024-2025**

**Allen Karl Sabido**  
*President*

**Aaron Gabrielle Alday**  
*Executive Vice President*

**Marienne Joyce Macaraig**  
*VP for Engineering*

**Casandra Joy Rodelas**  
*VP for SD*

**Rhejel Dave Crisporo**  
*Secretary for Internal Affairs*

**Kurt Neo Sambile**  
*Secretary for External Affairs*

**Danish Ara Dela Cruz**  
*Assistant Secretary*

**Jane Xyrene Villanueva**  
*Treasurer for Internal Affairs*

**Angela Kaye Lupac**  
*Treasurer for External Affairs*

**John Ric Bianzon**  
*Assistant Treasurer*

**Daniel C. David**  
*Auditor*

**Jhon Brix Aguila**  
*Business Manager 1*

**Pearl Mariel Yolola**  
*Business Manager 2*

**Olivia Marie Yssabel Lopez**  
*Press Relation Officer 1*

**Christian Andrei Generoso**  
*Press Relation Officer 2*

**Lara Dawn Calingasan**  
*Adviser*



**5. TIE-BREAKER.**

In case of a tie after the third round, **three (3) problem-solving-type questions** shall be given for the **clincher round**. Scores in this round will be accumulated and the team which will garner the highest/higher points will be declared as the placer. A corresponding time limit and point system will be imposed.

**6. DO-OR-DIE.**

If after the clincher round, the tie is not yet broken, a **do-or-die question** will be given. The first team to give the correct answer will be declared as the placer. A **corresponding time limit and point system will be imposed**.

**7. SCORING.**

- Correct answers for the **multiple-choice** questions will merit **five (5) points each**;
- For the **identification** type questions, **ten (10) points each**;
- For the **problem solving**, **twenty (20) points each**;
- Likewise, for the tie-breaking questions, the same points will be awarded for every correct answer;
- Incorrect, as well as void answers shall be awarded zero points.

**8. SUBSTITUTION.**

Substitution of contestants is permitted only after each round. The **Quiz Committee** shall be approached regarding **substitution** before the first question of the next round is asked.

**9. PROTESTS.**

**Only the contestants and the coaches can file protests.** Protests should be made immediately **before the succeeding question is read**. The board of judges shall deliberate on all protests. The decision of the board of judges is final and not appealable.

**10. PRIZES.**

The **Top 5 of the elimination rounds** will advance to the **Final Round**. For the **Final Round**. Only three teams are to be chosen as **first, second, and third places** in the quiz show depending on scores garnered by the team from each round. Please be guided by the table below:

TOP 3 FINAL ROUND	
Rank 1	- <b>Php 30,000 Cash Prize</b> - <b>Plaque</b> - <b>Medal for each Member of the Team</b> - <b>Certificate of Recognition</b>
Rank 2	- <b>Php 20,000.00 Cash Prize</b> - <b>Plaque</b> - <b>Medal for each Member of the Team</b> - <b>Certificate of Recognition</b>
Rank 3	- <b>Php 10,000.00 Cash Prize</b> - <b>Plaque</b> - <b>Medal for each Member of the Team</b> - <b>Certificate of Recognition</b>

Table 7. Prizes for 3 winning teams