



# RESEARCH FAIR 2024

**PERSPICAX** Unleashing the Scientific Prowess of the Filipino Youth

## SOUVENIR PROGRAM





# UP DILIMAN MAP



## Legend

### Venues

-  GT-Toyota Asian Center Opening Program
-  Melchor Hall Days 1-3 | Closing Program

### Jeepney Routes

-  UP Campus - Philcoa / MRT / SM North EDSA
-  UP Campus - Katipunan
-  UP Ikot (Counterclockwise)



# MESSAGE FROM THE ORGANIZERS

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Research Fair 2024 marks Research Fair's return to a face-to-face format after three years of virtual iterations. While initially daunting, it proved equally rewarding. Our team faced numerous challenges and setbacks, but our unwavering dedication to empowering young minds fueled our journey. We believe that by providing a platform where students can showcase their scientific talent, we can emphasize its indispensability in nation-building.

This year's theme, "Unleashing the Scientific Prowess of the Filipino Youth," embodies our aspirations. We hope the experiences, learnings, and connections you forge here will ignite a deep commitment to improving our nation. We hope that in the people you meet during the three days of the program - your fellow participants, mentors, and scientific professionals - you can find inspiration to propel you further in developing the Philippines' scientific and technological landscape.

**Eduard Angelo B. Mesa**

*Project Manager  
Research Fair 2024*

For the past 23 years, Research Fair has always hoped to provide a platform where the best scientific minds from all over the country can gather, share and showcase their innovations and scientific knowledge. After three years of online iterations, the Research Fair team is thrilled to continue this vision, but this time, face-to-face.

On top of all the usual challenges of organizing such a big event, transitioning back to face-to-face operations has brought about its own set of unique challenges - challenges which at many times made us want to give up. But despite all this, because of the strength and commitment of the team to hone and empower the Filipino Youth, we all pushed through and gave our all in organizing this event for you. I hope that as you join the various sub-events, talks and challenges, that you not only learn and grow, but also get inspired to further hone your scientific skills and knowledge for not only your future, but for the future of all Filipinos. May this event empower you to embrace your role as champions of progress, forging a brighter future through innovation and discovery for the nation.

On behalf of the Research Fair 2024 team, we welcome you!

**Audrey J. Su**

*Project Manager  
Research Fair 2024*





# RESEARCH FAIR HISTORY

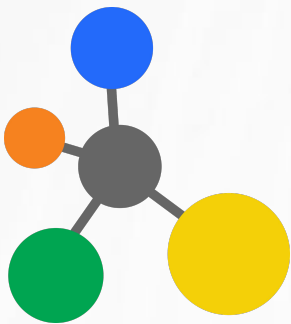
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## About the Event

Research Fair is the first and flagship event of UP ALCHEMES, garnering recognition for the organization through years of service to the Filipino youth. Now in its 23rd year, Research Fair continues its campaign of driving the passions of the youth and maximizing their potential towards and for scientific innovation and excellence.



## About the Sub-events



### Research Competition

Research Fair is the first and flagship event of UP ALCHEMES, garnering recognition for the organization through years of service to the Filipino youth. Now in its 23rd year, Research Fair continues its campaign of driving the passions of the youth and maximizing their potential towards and for scientific innovation and excellence.



### National Science Conquest

The National Science Conquest is a friendly competition that tests participants' knowledge and understanding on the various branches of science. Contestants go through various quiz bees and examinations to determine who reigns champion. This competition aims to recognize the potential of the youth to excel in science and technology.



### Youth Science Convention

The Youth Science Convention is a series of talks, webinars, and workshops where experts recognized in their respective scientific fields impart their knowledge and expertise to participants. This sub-event inspires and fuels participants to find their niche in pushing the advancement of science and technology amidst the ever-present winds of change.



# PROGRAM FLOW

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## Day 1 (February 1, 2024)

### OPENING + MIXER

*GT-Toyota Asian Center*

#### TIME SEGMENT

08:00 AM - 11:00 AM Opening + Mixer

### YOUTH SCIENCE CONVENTION TALKS

*Engineering Theater, Melchor Hall*

#### TIME SEGMENT

12:00 PM - 12:30 PM Registration of Participants

12:30 PM - 12:45 PM Welcoming and Opening Remarks

12:45 PM - 1:40 PM TALK 1: SALIO

1:40 PM - 2:35 PM TALK 2: FEROX

2:35 PM - 2:45 PM Break / Ice Breaker

2:45 PM - 3:40 PM TALK 3: ELYTRA

3:40 PM - 4:35 PM TALK 4: PANTHERA

4:35 PM - 5:00 PM Exit Announcements

### RESEARCH COMPETITION: JER EXHIBIT

*Melchor Hall 2F & 3F Lobby*

#### TIME SEGMENT

10:00 - 10:30 Participant briefing

10:30 - 1:00 EXHIBIT PART 1

1:00 - 2:00 Lunch

1:00 - 4:00 EXHIBIT PART 2



# PROGRAM FLOW

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## Day 2 (February 2, 2024)

### Youth Science Convention - CSC

*P&G Room, Melchor Hall*

#### TIME SEGMENT

9:00 AM - 10:00 AM	Registration Period
10:00 AM - 10:30 AM	Welcoming and Opening Remarks
10:30 AM - 12:00 NN	CSC: Workshop
12:00 NN - 1:00 PM	Lunch
1:00 PM - 1:30 PM	Opening Remarks for CSC
1:30 PM - 4:00 PM	Case Study Showcase
4:00 PM - 4:30 PM	Score Calculation/Awarding/Closing

### National Science Conquest

*3rd Floor Melchor Hall Classrooms\**

*Engineering Theater\*\**

#### TIME SEGMENT

8:30 AM - 9:00 AM	Registration Period
9:00 AM - 9:15 AM	Opening Remarks
9:15 AM - 11:45 AM	NSC Qualifying Rounds - Situational Exam*
11:45 AM - 12:00 PM	Closing Remarks
12:00 PM - 1:00 PM	Lunch
1:00 PM - 1:15 PM	Opening Remarks
1:15 PM - 2:45 PM	NSC Qualifying Rounds - Individual Exam**
2:45 PM - 3:00 PM	Closing Remarks

### Research Competition

*3rd Floor Melchor Hall Classrooms*

#### TIME SEGMENT

12:00 PM - 1:00 PM	Registration Period
1:00 - 1:30 PM	Welcoming and Opening Remarks
1:30 - 4:00 PM	Closed Door Defense Presentation
4:00 - 4:30 PM	Closing Remarks



# PROGRAM FLOW

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## Day 3 (February 3, 2024)

### **National Science Conquest** *Engineering Theater, Melchor Hall*

#### **TIME SEGMENT**

7:30 AM - 8:00 AM	Registration Period
8:00 AM - 8:30 AM	Welcoming and Opening Remarks
8:30 AM - 11:30 AM	Championship Round Event Proper
11:30 AM - 11:45 AM	Awarding of Judges
11:45 AM - 12:00 PM	Closing Remarks

### **Research Competition** *P&G Room, Melchor Hall*

#### **TIME SEGMENT**

9:00 - 9:30 AM	Registration Period
9:30 - 10:00 AM	Welcoming and Opening Remarks
10:00 - 11:00 AM	Final Defense Presentation
11:00 - 12:00 PM	Awarding of Judges and Winners
12:00 - 1:00 PM	Closing Remarks

### **Closing + Awarding** *Engineering Theater, Melchor Hall*

#### **TIME SEGMENT**

03:00 PM - 05:00 PM	Closing
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# REMINDERS

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## General Reminders

1. Specific mechanics and guidelines for each sub-event are found in the Research Fair 2024 Handbook.

## Research Competition Reminders

1. Contestants must wear their complete uniforms during the competition and present their school IDs upon registration.
2. Arrive at the venue 15 minutes prior to the start of the event for briefing.
3. Supporting items (prototypes, etc.) are not allowed for display during the exhibit stage. However, these are allowed for the closed door defense and final defense.
4. If proven to be guilty of research misconduct, the team, would automatically be disqualified.

## National Science Conquest Reminders

1. Each contestant must wear their complete school uniform during the competition and bring their respective ID.
  2. Every team member is required to bring at least two sharpened pencils and a non-programmable scientific calculator during the contest proper. All calculators must undergo factory reset before the start of the competition.
  3. Usage of electronic devices other than a scientific calculator (e.g laptop, smartphone, tablet) is strictly prohibited during all rounds of the competition.
  4. If a contestant is caught in the act and proven guilty of cheating or dishonesty, their team shall be automatically disqualified from the competition.
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# REMINDERS

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## Youth Science Convention - CSC Reminders

1. Arrive at the venue at least 10 minutes before the Case Study Competition: Workshop starts.
2. After the workshop, teams will have an hour for lunch. Arrive 10 minutes before the Case Study Showcase begins to avoid deductions for lateness.
3. The arrangement of presenters will be determined using an online roulette. The arrangement will be sent via email on February 1, 2024 (6:00 p.m.).
4. Maintain proper decorum during the Case Study Competition, especially when another team is presenting.
5. Incomplete teams are allowed to compete as long as at least one member is present.
6. Each team will be given 10 to 15 minutes to present their ideas to the panel of judges. Following each presentation, a period of 7-10 minutes will be allotted for the question and answer portion.



# **PARTICIPATING SCHOOLS**

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**Bacolod City National High School**

**Bacolod City National High School - Science Technology Engineering and Mathematics Track**

**Bartolome Sangalang National High School**

**Bongabon National High School**

**Caloocan National Science and Technology High School**

**Camarines Sur National High School**

**Carmona National High School**

**Cavite Science Integrated School**

**Cayetano Arellano High School**

**Colegio de Sto. Tomas - Recoletos, Inc.**

**Davao City National High School**

**Digos City National High School**

**Emmanuel Resurreccion Congressional Integrated High School**

**General Santos City National High School**

**Golden Acres National High School - Senior High School**

**Las Piñas City National Science High School**

**Las Piñas National High School - Senior High School**

**Legazpi City Science High School**

**Lopez Jaena National High School**

**Lyceum of Alabang Inc.**

**Mapúa University Senior High School - Intramuros**

**Mindanao State University - College of Education Training Department**

**Muntinlupa Science High School**

**Negros Occidental National Science High School**

**Norzagaray National High School**

**PAREF Rosehill School, Inc.**

**Pasig City Science High School**

**Philippine Science High School - Bicol Region Campus**

**Philippine Science High School - CALABARZON Region Campus**



# **PARTICIPATING SCHOOLS**

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**Philippine Science High School - Central Luzon Campus**

**Philippine Science High School - Central Visayas Campus**

**Philippine Science High School - Cordillera Administrative Region Campus**

**Philippine Science High School - Eastern Visayas Campus**

**Philippine Science High School - Ilocos Region Campus**

**Philippine Science High School - Main Campus**

**Philippine Science High School - MIMAROPA Region Campus**

**Philippine Science High School - Western Visayas Campus**

**Ramon Torres National High School**

**Regional Science High School III**

**Quezon National High School**

**Saint Jerome's Academy of Bagabag, Inc.**

**Saint Mary's University Junior High School and Science High School**

**Sorsogon State University**

**Sorsogon State University - Laboratory High School**

**Tagaytay City Science National High School - Integrated Senior High School**

**Tagum City National High School**

**Talugtug Solsona National High School**

**Tanauan City Integrated High School**

**Tanza National Comprehensive High School**

**Tanza National Comprehensive High School - Senior High School**

**Tarlac National High School**

**University of Negros Occidental - Recoletos**



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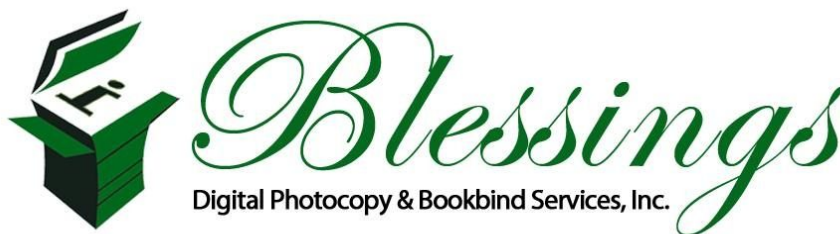


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