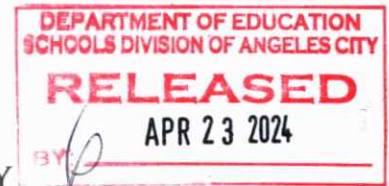




Republic of the Philippines  
**Department of Education**  
REGION III  
SCHOOLS DIVISION OF ANGELES CITY



Advisory No. 051, s. 2024  
April 23, 2024

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

**PakIEbaluan 2024: SHOWCASING THE WORLD OF INDUSTRIAL ENGINEERING**

Please be informed that the Philippine Institute of Industrial Engineers-Holy Angel University Student Chapter (PIIE-HAUSC) will conduct "PakIEbaluan 2024: Showcasing the World of Industrial Engineering on April 24, 2024.

The invited participants in this activity are the senior high school students.

Attached is the letter of invitation.

For your information and guidance.

Encl.: As stated  
ACY/CID-CES/April 23, 2024

[Handwritten signatures]





# PHILIPPINE INSTITUTE OF INDUSTRIAL ENGINEERS

HOLY ANGEL UNIVERSITY STUDENT CHAPTER

SH-401: 4th Floor Sacred Heart Building, Holy Angel University, Angeles City, Philippines  
piiehausc1920@gmail.com

April 19, 2024

**Engr. EDGARD C. DOMINGO PhD, CESO V**  
Schools Division Superintendent  
Division of City Schools  
Angeles City



*Greetings of the Angelite Spirit!*

We are writing to express our organization's intent to hold an educational event for different public schools within Angeles City aimed at promoting academic excellence and fostering intellectual growth among Senior High School students in our community.

The **Philippine Institute of Industrial Engineers- Holy Angel University Student Chapter (PIIE-HAUSC)** is a college-based organization at Holy Angel University that is dedicated to serving its members by acquainting them with practices of their profession and enhancing the image of the department through the display of commitment, responsibility, integrity, loyalty, professionalism and providing service among the organization members. In line with our commitment to educational enrichment, we are excited to propose an event titled "**PakIEbaluan 2024: Showcasing the World of Industrial Engineering,**" which will showcase the talents and intellect of Senior High School students in various academic disciplines. The scheduled date for this event is on **April 24, 2024**. However, it may be subject to change due to the continuous class suspension in public schools due to extreme heat index.

Our event, **PakIEbaluan 2024**, seeks to achieve multiple objectives. Firstly, we aim to promote academic excellence by recognizing and celebrating the achievements of Senior High School students in diverse fields, including Science and Mathematics. Through engaging activities and challenges, we hope to spark curiosity and interest in the field of Industrial Engineering among participating students. Additionally, by providing a platform for team-based competitions such as the Inter-School Quiz Bee, we aim to encourage collaboration, critical thinking, and problem-solving skills among the participants.

The event will consist of three main components. The **Inter-School Quiz Bee** will feature teams of Senior High School students competing in challenging rounds covering topics such as Algebra, Trigonometry, Calculus, Statistics, Physics, Chemistry, and Industrial Engineering-related Trivias. Furthermore, an additional **Mass Quiz Bee** segment will provide an inclusive opportunity for more students to showcase their knowledge about general k.





# PHILIPPINE INSTITUTE OF INDUSTRIAL ENGINEERS

HOLY ANGEL UNIVERSITY STUDENT CHAPTER

SH-401: 4th Floor Sacred Heart Building, Holy Angel University, Angeles City, Philippines  
piiehausc1920@gmail.com

Lastly, a **seminar session** featuring distinguished speakers from the field of Industrial Engineering will deliver insightful talks aimed at inspiring and educating the participants about the importance and applications of Industrial Engineering in today's world.

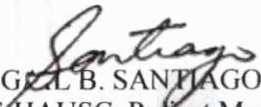
Our target audience for PakIEbaluan 2024 includes Senior High School students from various academic strands from Public schools within Angeles City. We believe that by collaborating with DepEd, we can create a meaningful and impactful experience for the participants. **We are currently seeking your approval to allow us to invite public schools and enable them to participate in our event.**

We are prepared to provide further details regarding the event, including a comprehensive event proposal, schedule, and any other information required. Additionally, we are open to discussing any specific guidelines or requirements set forth to ensure the success and compliance of the event.

We are confident that this event will align with DepEd's mission of providing quality education and promoting holistic development among Filipino students. We hope to receive your favorable response and look forward to the opportunity to collaborate with DepEd on this initiative.

Thank you for considering our proposal. Should you have any questions or require further information, please do not hesitate to contact us at 0975-495-3071 or im.abigail.santiago@gmail.com or discoverie2024@gmail.com.

Sincerely,

  
ABIGAIL B. SANTIAGO  
PIIE-HAUSC, Project Manager

  
LESLIE P. HERMOGINO  
PIIE-HAUSC, Assistant Project Manager

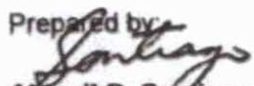
Noted by:   
ENGR. RUSELLE ANDREW P. MANALANG  
HAU Project Adviser & Management Professor




# Philippine Institute of Industrial Engineer - Holy Angel University Student Chapter

PakIEbaluan 2024: MathSci Quiz Bee  
April 24, 2024

Time		Allotment (in mins)	Activity
Start Time	End Time		
<b>Preliminaries</b>			
8:30 AM	9:00 AM	30	Registration
9:00 AM	9:05 AM	5	Angelite Prayer, National Anthem, HAU Hymn
9:05 AM	9:10 AM	5	Opening Remarks
9:10 AM	9:20 AM	10	Introduction of Host, Quiz Masters, Board of Consultant, Marshalls, and Participants
9:20 AM	9:30 AM	10	Presentation of Guidelines and Mechanics
<b>Quiz Bee Proper</b>			
9:30 AM	9:55 AM	25	Easy Round
9:55 AM	10:00 AM	5	Break
10:00 AM	10:35 AM	35	Average Round
10:35 AM	10:40 AM	5	Break
10:40 AM	11:25 AM	45	Final /Difficult Round
12:00 NOON	1:00 PM	60	Break

Prepared by  
  
**Abigail B. Santiago**  
Project Manager

  
**Engr. R-Jay P. Qulambao**  
Program Coordinator

  
**Engr. Russel/Andrew P. Manalang**  
Project Adviser





# Philippine Institute of Industrial Engineer - Holy Angel University Student Chapter

PakIEbaluan 2024: Mass Quiz Bee  
April 24, 2024

Time		Allotment (in mins)	Activity
Start Time	End Time		
<b>Preliminaries</b>			
8:30 AM	9:00 AM	30	Registration
9:00 AM	9:05 AM	5	Angelite Prayer, National Anthem, HAU Hymn
9:05 AM	9:10 AM	5	Opening Remarks
9:10 AM	9:20 AM	10	Introduction of Host, Quiz Masters, Board of Consultant, Judges, Marshalls, and Participants
9:20 AM	9:30 AM	10	Presentation of Guidelines and Mechanics
<b>Mass Quiz Bee Proper</b>			
9:30 AM	10:30 AM	60	1st round
10:30 AM	10:35 AM	5	Break
10:35 AM	11:35 AM	60	2nd Round
12:00 NOON	1:00 PM	60	BREAK

Prepared by:  
  
**Arigall B. Santiago**  
Project Manager

  
**Engr. R-Jay P. Quiambao**  
Program Coordinator

  
**Engr. Russell Andrew P. Manalang**  
Project Adviser

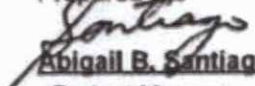


# Philippine Institute of Industrial Engineer - Holy Angel University Student Chapter


Pakiebaluan 2024: Seminar  
April 24, 2024

Time		Allotment (in mins)	Activity
Start Time	End Time		
1:00 PM	1:15 PM	15	Settling Down, Video On-Going about IE
1:15 PM	1:20 PM	5	Angelite Prayer, National Anthem
1:20 PM	1:25 PM	5	Opening Remarks
1:25 AM	1:30 PM	5	Introduction of the Speaker
1:30 PM	2:30 PM	60	Talk Session
2:30 PM	2:40 PM	10	Q and A Session
2:40 PM	2:50 PM	10	CR Break ,Foods, Drinks and Trivias
2:50 PM	3:50 PM	60	Awarding, Giving Tokens and Taking Pictures
3:50 PM	4:00 PM	10	Closing Remarks
			Event Adjourned

Prepared by:

  
**Abigail B. Santiago**  
Project Manager

  
**Engr. R-Jay P. Quiambao**  
Program Coordinator

  
**Engr. Ruseffe Andrew P. Manalang**  
Project Adviser

## **PakIEbaluan 2024: Showcasing the World of Industrial Engineering**

### **A. SCIENCE AND MATH QUIZ BEE GENERAL GUIDELINES**

1. The **Philippine Institute of Industrial Engineers – Holy Angel University Student Chapter** shall be the Sponsoring Organization.
2. Each school is only allowed to send **ONE TEAM consisting of five (5) participants** who are bonafide **Senior High School students preferably under STEM or any academic strand** of the school they represent.
3. The team will **comprise of three (3) participants and two (2) substitute participants** which are designated to join the **SCIENCE AND MATH QUIZ BEE**.
4. Each school shall register and submit the following requirements on or before **April 17, 2024, at 11:59 P.M. to this Google Form:**

**<https://tinyurl.com/PakIEbaluan2024Registration>**

- School's contact person and list of participants with complete information, registration form, and their parent's consent in the file name

**SCHOOL\_PARTICIPANTS in PDF file (e.g.HAU\_PARTICIPANTS.pdf).View template here: <https://tinyurl.com/PakIEbaluan2024Participants>**

5. Change of registered participants for the event shall only be allowed until **April 19, 2024, at 11:59 A.M.**, and shall be communicated to any member of the Sponsoring Organization. A revised copy of the official list of participants and corresponding requirements of the new participant should be submitted thereto; otherwise, any reasons shall not be accepted for substitution of the participant.
6. Participants must attend all the orientation/meetings and other affairs set by the Sponsoring Organization. Should a participant be unavailable for the meeting, a representative from their school should be present on their behalf for update and information purposes.



7. The participants must arrive at the venue **thirty (30) minutes** before the scheduled time for final orientation and other preparations needed prior to the event. Failure to comply should result in corresponding repercussions.
8. Only the participants shall be allowed to enter the venue to represent their corresponding school. Failure to enter the venue once the competition commences will result in termination by default.
9. The participants are not allowed to leave the venue during the competition proper.
10. All participants shall wear their school uniform.

## **B. EVENT MECHANICS FOR THE INTER-SCHOOL SCIENCE AND MATH QUIZ BEE**

1. The scope of the event shall cover Science and Mathematics subjects comprising the following topics:
  - Algebra
  - Trigonometry
  - Calculus
  - Statistics
  - Physics
  - Chemistry
  - Industrial Engineering-related Trivias
2. Each team will be provided with a **whiteboard** that will serve as the official answer sheet and calculator by the Sponsoring Organization. Use of **own answer sheets and programmable calculators are prohibited.**
3. The event shall consist of **three (3) rounds and the first two rounds will be composed of five (5) questions each: (a) Easy Round weighing three (3) points each and (b) Average Round weighing five (5) points each. The final round will have a different pointing system.**



4. **Bonus questions will randomly appear each round. Each bonus question will be worth the same number of points as the respective round.**
5. **The 5 highest scoring teams from the elimination round will proceed to the final round.**
6. **Any form of cheating and/or coaching** with their respective school members or anyone during the commencement of the competition is strictly prohibited. Should the Sponsoring Organization have solid proof that this happened, it will automatically result in the Team's **DISQUALIFICATION**.

#### **B.1 . EVENT MECHANICS FOR THE ELIMINATION ROUND**

1. All questions shall be read twice by the Quiz Master.
2. The participants may start to answer after the question has been read once.
3. The time limit per question per round shall start after the question has been read once by the Quiz Master.
4. Each question has a specified time allotment which will be announced before it will be read.
5. After the time limit, all participants must stop writing. Otherwise, their answer to that question will be considered null.
6. When the time is up, the participants shall raise the whiteboard, and the Chairman of the Board of Judges will announce the teams who got the correct answer.
7. All answers shall be written legibly in **ALL UPPERCASE LETTERS**, and final answers should be encircled on the answer sheets provided.
8. Any misspelled forms of erasures, superimpositions, multiple answers, and/or use of acronyms are considered incorrect answers.
9. Any protest for a question shall be raised **only by the Team Captain** immediately after announcing the teams who got the correct (and incorrect) answers.

Any complaints regarding that particular question shall not be entertained after proceeding to the next question.

10. Substitution of a participant from the team may only be done **after each question**.

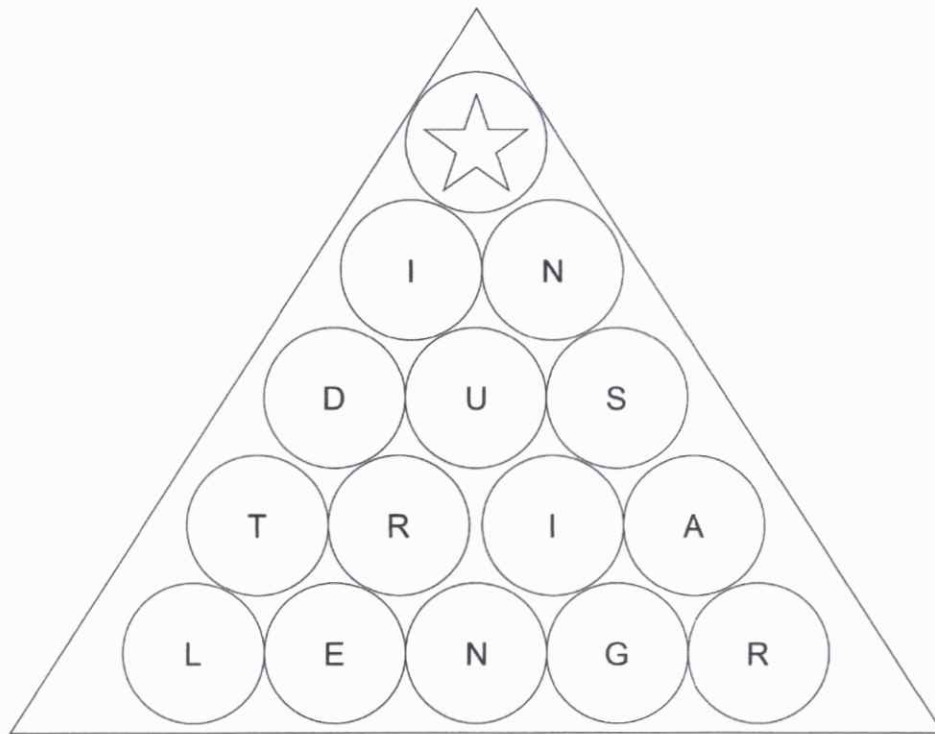
11. The Board of Judges, whose final and irrevocable decision shall decide on the complaints regarding the question or answers on a majority vote.

## **B.2 EVENT MECHANICS FOR THE FINAL ROUND**

1. The Final Round will be a special round for the remaining participants after the elimination round. The special rules for the final round will be as follows:

- Entering the Final round, all points will be reset. This will be the championship round and the pointing system will be different.
- Each team that qualifies for the final round will be given a buzzer.
- The buzzer should only be pressed when the Quiz Master shouts “Go!” (Failure to do so will result in disqualification from answering the question.)
- The first team that answers correctly will get a chance to choose from a set of letters which are arranged in a pyramid shape.
- All teams are only allowed to choose letters starting from the bottom row of the pyramid and will only progress to the top whenever they answer a question correctly. (Teams must carefully choose which letter they will pick because it determines their position in the pyramid.)
- After the first letter is chosen, the contestants will only be allowed to choose a letter in the upper row that is adjacent to their current position in the pyramid.
- In case the team that first pressed the buzzer, answered incorrectly, the other teams will be allowed to “steal” the opportunity to answer. The option to steal will be declared by the quiz master. The first team to press will be granted the opportunity.

- The first team that will reach the top of the pyramid will be crowned champion for the event.
- The questions that will be asked from these are questions that are related to Algebra, Trigonometry, Calculus, Statistics, Physics, and Chemistry.
- **The pyramid will be following this format:**



2. After the Final Round, the top three highest pointers shall be declared the **Champion, 1st runner-up, and 2nd runner-up, respectively.**
3. In case of a tie, a sudden death round shall be declared. The school that gets the correct answer shall win the point.




4. Winners of the event will receive certifications and cash prizes in the following amounts:

**1st Place: P1,500.00**

**2nd Place: P1,000.00**

**3rd Place: P500.00**

In case you have further queries, please do not hesitate to reach out to us at **discoverie2024@gmail.com**. Thank you very much!

  
ABIGAIL B. SANTIAGO  
PakIEbaluan 2024, Project Manager

  
LESLIE P. HERMOGINO  
PakIEbaluan 2024, Assistant Project Manager

Noted by:

  
ENGR. RUSELLE ANDREW MANALANG  
Project Management Professor

## **PakIEbaluan 2024: Showcasing the World of Industrial Engineering**

### **A. MASS QUIZ BEE GENERAL GUIDELINES**

1. The **Philippine Institute of Industrial Engineers – Holy Angel University Student Chapter** shall be the Sponsoring Organization.
2. Each school is only allowed to send **five (5) participants** who are bonafide **Senior High School students preferably under STEM or any academic strand** of the school they represent.
3. **Each participating student will be working independently. No substitute participant from the Science and Math Quiz Bee** is designated to participate in the **MASS QUIZ BEE**.
4. Each school shall register and submit the following requirements on or before **April 17, 2024, at 11:59 P.M. to this Google Form:**

**<https://tinyurl.com/PakIEbaluan2024Registration>**

- School's contact person and list of participants with complete information, registration form, and their parent's consent in the file name

**SCHOOL\_PARTICIPANTS in PDF file (e.g.HAU\_PARTICIPANTS.pdf).View template here: <https://tinyurl.com/PakIEbaluan2024Participants>**

5. Change of registered participants for the event shall only be allowed until **April 19, 2024, at 11:59 A.M.**, and shall be communicated to any member of the Sponsoring Organization. A revised copy of the official list of participants and corresponding requirements of the new participant should be submitted thereto; otherwise, any reasons shall not be accepted for substitution of the participant.
6. Participants must attend all the orientation/meetings and other affairs set by the Sponsoring Organization. Should a participant be unavailable for the meeting, a representative from their school should be present on their behalf for update and information purposes.

7. The participants must arrive at the venue **thirty (30) minutes** before the scheduled time for final orientation and other preparations needed prior to the event. Failure to comply should result in corresponding repercussions.
8. Only the participants shall be allowed to enter the venue to represent their corresponding school. Failure to enter the venue once the competition commences will result in termination by default.
9. The participants are not allowed to leave the venue during the competition proper.
10. All participants shall wear their school uniform.

## **B. EVENT MECHANICS FOR THE INTER-SCHOOL MASS QUIZ BEE**

1. The scope of the event shall cover topics comprising the following:
  - General Information/Trivia
  - Current Events
  - Industrial Engineering-related Trivias
2. The event shall consist of **two (2) rounds, which are the elimination round and the final round.**
3. Winners of the event will receive certifications and cash prizes in the following amounts:

**1st Place:** P1,500.00

**2nd Place:** P1,000.00

**3rd Place:** P500.00

### **B.1 . EVENT MECHANICS FOR THE ELIMINATION ROUND**

1. All questions shall be read **twice** by the Quiz Master.
2. **Each question has a specified time allotment** which will be announced before it will be read.




3. The time limit per question per round shall start after the **question has been read twice and a go signal was said** by the Quiz Master.
4. Signages of the answer choices will be shown on the stage. The participants will line up on their chosen answers within the time limit specified. The inability to choose an answer before the time is up nullifies the answer.
- 5. Pushing other participants leads to disqualification.**
6. The participants who got the incorrect answers will be eliminated and are no longer qualified to answer the succeeding questions.
7. Elimination will proceed until there are only **10-15 participants left**.
8. Any protest for a question shall be raised only **after announcing the participants who got the correct and incorrect answers**. Any complaints regarding that particular question shall not be entertained after proceeding to the next question.
9. The Board of Judges, whose final and irrevocable decision shall decide on the complaints regarding the question or answers on a majority vote.
10. **Any form of cheating and/or coaching** with their respective school members or anyone during the commencement of the competition is strictly prohibited. Should the Sponsoring Organization have solid proof that this happened, it will automatically result in the participant's **DISQUALIFICATION**.

## **B.2 . EVENT MECHANICS FOR THE FINAL ROUND**

1. The 10-15 participants left after the elimination round are the only qualified participants to join the final round.
2. Each participant will be provided with a **set of bond papers** that will serve as the official answer sheet.
3. All questions shall be read **twice** by the Quiz Master.
4. **Each question has a specified time allotment** which will be announced before it will be read.

5. The time limit per question per round shall start after the **question has been read once** by the Quiz Master.
6. Each question has a specified time allotment which will be announced before it will be read.
7. After the time limit, all participants must stop writing. Otherwise, their answer to that question will be considered null.
8. When the time is up, the participants shall raise the bond paper, and the Chairman of the Board of Judges will announce the teams who got the correct answer.
9. All answers shall be written legibly in **ALL UPPERCASE LETTERS**, and final answers should be encircled on the answer sheets provided.
10. Any misspelled forms of erasures, superimpositions, multiple answers, and/or use of acronyms are considered incorrect answers.
11. Any protest for a question shall be raised only **after announcing the participants who got the correct and incorrect answers**. Any complaints regarding that particular question shall not be entertained after proceeding to the next question.
12. The Board of Judges, whose final and irrevocable decision shall decide on the complaints regarding the question or answers on a majority vote.
13. After the Final Round, the top three highest pointers shall be declared the **Champion, 1st runner-up, and 2nd runner-up, respectively**.
14. In case of a tie, a sudden death round shall be declared. The participant that gets the correct answer shall win the point.
15. **Any form of cheating and/or coaching** with their respective school members or anyone during the commencement of the competition is strictly prohibited. Should the Sponsoring Organization have solid proof that this happened, it will automatically result in the participant's **DISQUALIFICATION**.

In case you have further queries, please do not hesitate to reach out to us at **discoverie2024@gmail.com**, Thank you very much!

  
ABIGAIL B. SANTIAGO  
PakIEbaluan 2024, Project Manager

  
LESLIE P. HERMOGINO  
PakIEbaluan 2024, Assistant Project Manager

Noted by:

  
ENGR. RODERICK A. MANALANG  
Project Management Professor