



Republic of the Philippines  
Department of Education  
NATIONAL CAPITAL REGION  
SCHOOLS DIVISION OFFICE OF MUNTINLUPA CITY

FEB 04 2022

Advisory No. \_\_\_\_, s. 2022  
February 3, 2022

In compliance with DepEd Order (DO) No. 8, S. 2013  
This advisory is issued for the information of DepEd officials,  
personnel/staff, as well as the concerned public.

LIKNAVAYAN 2022

Attached is DepEd NCR Advisory No. 25, s. 2022 dated January 31, 2022 on the above-captioned title, contents of which are self-explanatory, for the information and guidance of all concerned.

Participation of public and private schools shall be subject to the no-disruption-of-classes policy stipulated in DepEd Order No. 9, s, 2005 entitled Instituting Measures to increase Engaged Time-on-Task and Ensuring Compliance Therewith.

Moreover, schools are reminded of the "No Collection and No selling of Tickets Policy" stipulated in DepEd Order Nos. 19 and 40, s. 2008 and RA Nos. 4206 and 5546.

  
**NERISSA ROXAS-LOMEDA PhD**  
OIC-Assistant Schools Division Superintendent

ASO/ LIKNAYAN 2022  
\_\_\_/February 3, 2022



 Student Center for Life Skills Bldg., Centennial Ave, Brgy Tunasan,  
Muntinlupa City  
 (02) 8805 - 9935, (02) 8805 - 9940  
 sdo.muntinlupa@gmail.com



015





DEPARTMENT OF EDUCATION  
RECORDS SECTION, DEPED NCR

RELEASED

Republic of the Philippines  
**Department of Education**  
NATIONAL CAPITAL REGION

DNCR-F-ORD-038/01112019

Advisory No. 25, s. 2022  
January 31, 2022

SDO-CITY OF MUNTINLUPA

Received \_\_\_\_\_  
Date 2/28/2022  
Time 9:21

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

### LIKRAYAN 2022

The PHYSICA, UP Applied Physics Society an academic organization of Applied Physics Students of the University of the Philippines, Los Baños will conduct an online event entitled LIKNAYAN 2022 with the theme "The Living Machine: Physics in the Environmental Science and Robotics on May 7-8, 2022.

The event aims to impart substantial knowledge to its participants and allow them to recognize the significance of Physics in the society while providing a memorable and worthwhile experience amidst the physical limitations brought about by pandemic. The activities include career talk, online quiz bowl, extemporaneous speech, poster making and physics communication contest.

The event is open to all junior and senior high school students.

For inquiries or clarifications, please contact:

Hans Carlo S. Quijano  
Activity Head  
Mobile Number: 0977801073  
Email Add.: [liknayan.physica@gmail.com](mailto:liknayan.physica@gmail.com)

Cimd/mgp



*A legacy as rich as excellence!*

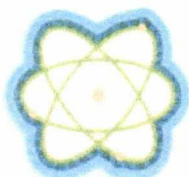
Misamis St., Bago Bantay, Quezon City

Tel. Nos.: 920-5824; 926-2213 loc. 801

Email Address: [ncr@deped.gov.ph](mailto:ncr@deped.gov.ph)

Website: <http://www.deped.gov.ph/regions/ncr/>





# LIKNAVAYAN 2022

January 2022

**Wilfredo E. Cabral**  
Regional Director  
Department of Education - National Capital Region  
Misamis St., Bago Bantay,  
Quezon City, Metro Manila

Dear Mr. Cabral,

Greetings!

**PHYSIKA, UP Applied Physics Society** is a duly recognized academic organization of Applied Physics students of the University of the Philippines Los Baños. The organization aims to promote academic excellence and foster well-roundedness among its members. Moreover, it encourages the appreciation and awareness of Physics and Applied Physics by initiating activities that are in line with the objectives of the University and the Nation.

As part of the organization's initiative to raise scientific literacy in the fields of Physics and Applied Physics, an online event entitled **LIKNAVAYAN 2022** will be held on **May 7-8, 2022**, with the theme "**The Living Machine: Physics in Environmental Science and Robotics**". The said event aims to impart substantial knowledge to its participants and allow them to recognize the significance of physics in the society, while providing a memorable and worthwhile experience amidst the physical limitations brought about by the pandemic. The activities for this event include the **Career Talk, Online Quiz Bowl, Extemporaneous Speech, Poster Making, and Physics Communication Contest**.

With this, the organization would like to request from your good office the accreditation of **LIKNAVAYAN 2022**. Rest assured that this event will equip the participants in expanding their curiosity, appreciation, and knowledge in the fields of Physics and Applied Physics.

Attached to this letter are the general guidelines and the mechanics of each sub-event. Should you have any concerns or queries, we would be glad to respond to them through our email [liknavayan.physika@gmail.com](mailto:liknavayan.physika@gmail.com) or through our contact persons Hanz Carlo S. Quijano (09777801073) or Jezreel Sophia C. Lanuzo (09301503127).

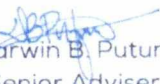
We are hoping for your favorable response. Thank you very much!

Respectfully,

  
Hanz Carlo S. Quijano  
Activity Head

  
Cedrix Jake C. Jadrin  
President

Noted by:

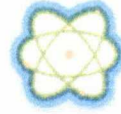
  
Dr. Darwin B. Putungan  
Senior Adviser

  
Prof. Anna Pamela O. De Jesus  
Junior Adviser



## LIK NAYAN 2022 GENERAL GUIDELINES

1. LIKNAYAN 2022, organized by PHYSIKA, UP Applied Physics Society, is open to all junior and senior high school students.
2. The event is composed of four (4) competitive sub-events, namely the Online Quiz Bowl, Extemporaneous Speech, Physics Communication, and Poster Making, and one (1) non-competitive sub-event, namely Career Talk.
3. The major events of the LIKNAYAN 2022–Quiz Bowl, Career Talk, and Extemporaneous Speech Contest–shall officially start on May 7, 2022 and will end on May 8, 2022.
4. The minor events–Poster Making Contest and Physics Communication Contest–shall officially commence on April 20, 2022 and will end on May 4, 2022. An email containing the theme, guidelines, and mechanics of the indicated sub-events shall be sent to the email accounts provided by the participants. Furthermore, the guidelines and mechanics of the said events shall be posted on the social media accounts of LIKNAYAN.
5. Competitive sub-events: The overall contest points of each participating team will be the sum of points garnered from the competitive sub-events; the three (3) schools with the highest accumulated points will be declared as the champion, 1st runner up, and 2nd runner up. In case of a tie in the overall ranking, the following scheme will be used to break the tie:
  - a. The team that has more first places in all four (4) sub-events will be declared winner over the team/s that it has tied with; otherwise,
  - b. The team that has more second places in all four (4) sub-events will be declared winner over the team/s that it has tied with; otherwise,
  - c. The team that has more third places in all four (4) sub-events will be declared winner over the team/s that it has tied with; otherwise,
  - d. The team with the highest ranking in the Online Quiz Bowl will be declared winner over the team/s that it has tied with.
6. Non-competitive sub-events:
  - a. For the Career Talk portion of the event, all coaches and students are encouraged to participate.
7. Should any of the participating students be present on camera, it is advised for them to dress in a formal manner.



8. All participating schools must confirm their registration for the event by submitting the accomplished application form, school logo, and proof of payment.
9. All participating students must ensure that the names used in their email accounts are their birth names. This is for the purpose of tracking the submitted entries of the participants. Failure to do so will result in disqualification.
10. All entries submitted to the contest organizers will become property of PHYSIKA, UP Applied Physics Society. The organization will be entitled to use the entries and the contents in any purpose whatsoever without permission or compensation to the participating teams.
11. The organizers have the right to revise the mechanics of the event. Any revisions that will be made will be announced prior to the opening of the event.



## REGISTRATION

### A. Guidelines

1. The registration period will officially start on February 24, 2022 and will end on April 14, 2022.
2. There will be a registration fee of Php 1000.00 per participating team.
3. Teams may pay the fee directly to the bank or gcash account given below:

#### BANK

Bank: BPI

Account No.: 9446411512

Account Name: Daneca G. Barbadillo

#### GCASH

Account No.: 0922 912 6463

Account Name: Renz Ronald Prieto

4. Upon confirmation, the following requirements must be submitted in the Google Form prepared by the organization for the LIKNAYAN 2022.
  - a. Soft/Scanned copy of the accomplished registration form
  - b. High-resolution logo/seal
  - c. Proof of payment (either soft copy or screenshot)
5. If changes are made regarding the line-up of the team members, the organization must be notified not later than April 14, 2022.

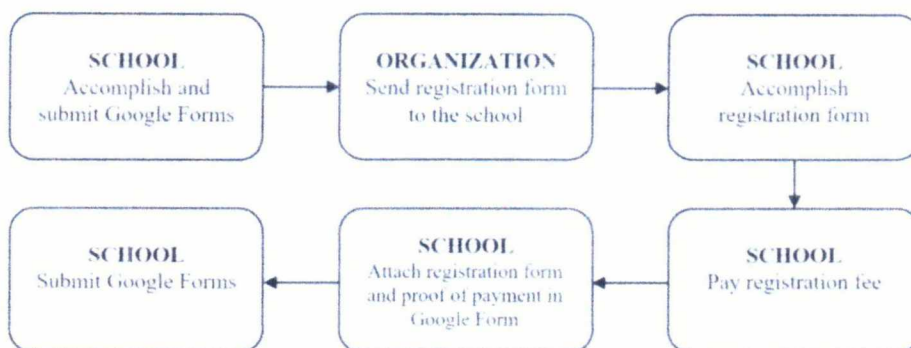
### B. Process

1. The participating schools will be given a link to a form in Google Forms. They should fill out all necessary information in the link.
2. Once submitted, an auto-generated email will be sent by the organization to the email address of the participating school containing a PDF file of the registration form and the link to the next Google Forms submission.
3. The school should accomplish the registration form by attaching their signatures.
4. The school should then pay the registration fee and keep the proof of payment.



5. The school should attach the accomplished registration form and the proof of payment in the Google Forms.
6. The school should then submit the responses in the Google Forms link.

### C. Flowchart



### Competitive Sub-events Guidelines

1. Each school who would like to participate in the event can send in at least one (1) team. Each team shall be composed of 8-9 high school students and a coach.
2. Teams may assign participants to each of the sub-event:
  - a. 3 Online Quiz Bowl participants and 1 substitute
  - b. 1 Extemporaneous Speech participant
  - c. 3 Physics Communication Contest participants
  - d. 1 Poster Making participant
  - e. 1 faculty-in-charge/coach
3. Teams may opt not to participate in any sub-events.
4. Cash prizes will be awarded to the winners of each sub-event. The prizes may be increased based on the amount of earnings from the fund-raising activities conducted by the organization. The initial cash prizes are as follows;

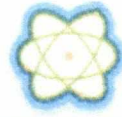
Rank	Quiz Bowl	Extemporaneous	Physics Comm.	Poster Making
1	Php 2000.00	Php 500.00	Php 1500.00	Php 500.00
2	Php 1500.00	Php 300.00	Php 1200.00	Php 300.00
3	Php 1000.00	Php 200.00	Php 800.00	Php 200.00



5. Winners from each sub-event shall receive corresponding points. The points per sub-event are as follows:

Rank	Quiz Bowl	Extemporaneous	Physics Comm.	Poster Making
1	200 pts	100 pts	150 pts	100 pts
2	150 pts	75 pts	120 pts	75 pts
3	100 pts	50 pts	90 pts	50 pts
others	50 pts	20 pts	50 pts	20 pts

6. The team with the highest points shall be declared the overall champion and shall be awarded a trophy.



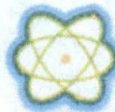
The *LIKNAYAN 2022: Poster Making Contest* is an interschool competition for high school students that aims to foster the creative minds and visions of the youth in promoting and finding the significance of the fields of physics and applied physics in advancing national development through conventional or digital artworks.

### 1. General Guidelines

- 1.1. The competition will officially start on April 20, 2022 and will end on May 4, 2022. The official clock to be used in this competition follows the Philippine Standard Time, as indicated in PAGASA's website ([oras.pagasa.dost.gov.ph/widget.shtml](http://oras.pagasa.dost.gov.ph/widget.shtml)).
- 1.2. The participants should provide their own materials or devices for the contest.
- 1.3. Any form of poster and any medium or technique in creating a poster are allowed. Physical art and digital art are allowed.
- 1.4. Only one entry per participant is allowed.
- 1.5. The panel of judges will be composed of professionals in the fields of physics, applied physics, and arts.
- 1.6. The decision of the panel of judges is final and irrevocable.

### 2. Contest Mechanics

- 2.1. The theme shall be announced on the day of the official opening of the minor sub-events, which shall be on April 20, 2022. It will be sent to the participants and coaches through email and will also be posted on the LIKNAYAN FB Page.
- 2.2. The participants have twelve (12) days, from April 20, 2022 to May 1, 2022, to create their posters and captions.
- 2.3. Adding text, slogan, watermark, datestamp, any copyrighted or plagiarized material, school logo or anything that could be used to identify the school of the participants are prohibited. The organization shall not be responsible for any infringement of intellectual property rights committed by the participant. The participant will be disqualified for committing such acts.
- 2.4. After finishing their artworks,
  - a. For physical artworks, the participants should take a picture or scan their artworks with a minimum resolution of 8 megapixels. To avoid noise, perspective distortion, and mismatch of colors, the participants



should ensure that the artwork is upright or straight while being illuminated sufficiently, preferably by natural light, when taking a photo.

- b. For digital artworks, the participants should export their works into images with a minimum resolution of 300 pixels per inch (ppi).
- 2.5. The final image of the poster must be in JPG, JPEG, or PNG file format with the filename Poster\_<School Name>\_<Surname>\_<Given Name>.
- 2.6. A caption containing a description about the artwork (130 - 150 words) and brief description on the medium and/or technique used should be typewritten in a DOC, DOCX, or PDF file with the filename Caption\_<School Name>\_<Surname>\_<Given Name>.
- 2.7. The two files must then be compressed into a ZIP file with filename PMC\_<School Name>\_<Surname>\_<Given Name>.
- 2.8. The ZIP file should be sent to liknayan.physika@gmail.com with the subject line Liknayan 2022: PMC - <School Name> - <Surname>, <Given Name>.

Example:

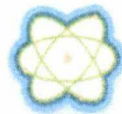
Poster: Poster\_ABC High School\_Dela Cruz\_Juan.jpg

Caption: Caption\_ABC High School\_Dela Cruz\_Juan.docx

ZIP file: PMC\_ABC High School\_Dela Cruz\_Juan.zip

Email subject: Liknayan 2022: PMC - ABC High School - Dela Cruz, Juan

- 2.9. All posters and captions should be submitted on or before April 30, 2022. Late submissions are allowed only until 11:59 p.m. of May 1, 2022 and shall have a 2%-point deduction. Entries submitted beyond the said time and date shall not be accepted.
- 2.10. Posters will be posted on the LIKNAYAN Facebook Page on May 2, 2022 and participants will be mentioned. Starting from the date of publication to May 4, 2022, the participants may share the original post of their entry to gather likes and shares. However, the only counted likes and shares are those from the users who also liked and followed the LIKNAYAN FB Page. Moreover, only one (1) share per user shall be counted. The total number of likes plus shares will determine the score for the audience impact.



2.11. The judges will grade the posters based on the criteria given:

5%	Content of the Caption
10%	Audience Impact
30%	Artistic Quality
30%	Relevance to the Theme
25%	Originality and Creativity
<hr/>	
100%	Total

2.12. The top 3 scoring individuals will be declared as the 1st, 2nd, and 3rd place winners accordingly. The winners will be announced on May 8, 2022 via Zoom Meeting.



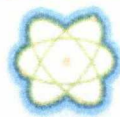
The *LIKNAYAN 2022: Physics Communication Contest (PCC)* is an interschool video competition for high school students that aims to inspire creative thinking about science, specifically in the field of physics. This contest will test the students' ability to communicate complex physics ideas in engaging, illuminating, and imaginative ways.

### **1. General Guidelines**

- 1.1. The competition will officially start on April 20, 2022 and will end on May 4, 2022, such period then is referred to as the "Completion Period." The official clock to be used in this competition follows the Philippine Standard Time, as indicated in PAGASA's website ([oras.pagasa.dost.gov.ph/widget.shtml](http://oras.pagasa.dost.gov.ph/widget.shtml)).
- 1.2. Each participating PCC team shall be composed of three (3) members only.
- 1.3. Teams are allowed to use any software or equipment available to them.
- 1.4. Only one entry per team is allowed.
- 1.5. The panel of judges will be composed of professionals in the fields of physics and applied physics.
- 1.6. The decision of the panel of judges is final and irrevocable.

### **2. Contest Mechanics**

- 2.1. Participating teams are free to choose the topic that they wish to discuss as long as it is related to physics.
- 2.2. There must only be one (1) student explaining throughout the video.
- 2.3. Video entries must have a maximum length of three (3) minutes and a quality of at least 720p.
- 2.4. Video entries that exceed the maximum time limit shall have a deduction of 1% per second to the final score.
- 2.5. Entries must have subtitles and a title.
- 2.6. The final output must be in MP4 file format with the filename PCC\_<School Name>.
- 2.7. Putting the logo or anything that can be associated or used to identify their schools in the video is not allowed.
- 2.8. Entries must be submitted to [liknayan.physika@gmail.com](mailto:liknayan.physika@gmail.com) with the subject line *Liknayan 2022: PCC - <School Name>*



Example:

Video Entry: PCC\_ABC High School

Email Subject: Liknayan 2022: PCC - ABC High School

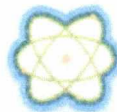
- 2.9. Entries that are submitted in relation to the competition will only be eligible if such entries
- i. are in English,
  - ii. are related to Physics,
  - iii. do not contain content that is unlawful (including any infringement or potential infringement of intellectual property rights), hateful, or obscene in the Competition Organizer's sole discretion, and
  - iv. do not include any other identifiable individual other than the individual participant unless prior consent is obtained from such individuals or such images are in the public domain.
- 2.10. Entries will be graded based on the following criteria:

10%	Grammar
10%	Audience Impact
20%	Creativity
60%	Explanation
<hr/>	
100%	Total

- 2.11. Video entries will be posted on the LIKNAYAN Facebook Page on May 2, 2022 and the members of each participating team will be mentioned on the post. Starting from the date of publication to May 4, 2022, the teams may share the original post of their entry to gather Likes and Shares. However, the only counted likes and shares are those from the users who also liked and followed the LIKNAYAN FB Page. Moreover, only one (1) share per user shall be counted. The total number of likes plus shares will determine the score for the audience impact.
- 2.12. The final score of each entry will be the average of the scores given by the judges.
- 2.13. Entries must be submitted on or before April 30, 2022. Late submissions shall be accepted only until 11:59 p.m. of May 1, 2022 and a deduction of 1% per hour to the final score shall apply.



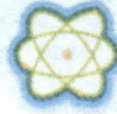
- 2.14. Teams garnering the highest points will be declared as the 1st, 2nd, and 3rd place winners accordingly.
- 2.15. Winners will be announced on May 8, 2022 after the Quiz Bowl event.



The *LIKNAYAN 2022: Extemporaneous Speech Contest* is an interschool extemporaneous speech contest open to all high school students that aims to promote appreciation on science and technology and to find answers to local and international issues by raising awareness and fostering critical thinking through speeches about latest developments in the fields of physics and applied physics.

### 1. General Guidelines

- 1.1. English shall be used in delivering the speech.
- 1.2. The topic will revolve around artificial intelligence (AI).
- 1.3. The registered participants should have a stable internet connection, working laptop camera (webcam), and microphone during the event as it will be held in the video-conferencing online platform Zoom through a Zoom meeting.
- 1.4. The participants are highly encouraged to use the official photo background for the event.
- 1.5. The registered participants should wear corporate or business attire during the contest proper. They are not allowed to wear their uniform or anything that is associated with or will reveal the identity of their schools during the event.
- 1.6. Reference materials, devices, and assistance from other people aside from the participant himself/herself during the contest proper are strictly prohibited unless stated otherwise.
- 1.7. Once given the topic for the speech, the participants and coaches are not allowed, in any way, to share the topic to other participants or coaches during the contest proper.
- 1.8. During the speech, no reference is to be made concerning the name of their school.
- 1.9. Any form of cheating will automatically lead to disqualification.
- 1.10. Spectators who are not part of the competition are not allowed during any part of the contest proper.
- 1.11. Before entering the meeting, coaches should change their display names to <School Acronym> - <Full Name> (e.g., ABCHS - Juan Dela Cruz).
- 1.12. Coaches are only allowed in the main room and preparation room. The role of the coach is to assist the student in the main room and

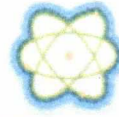


inform the room facilitator in case of sudden interruption. They will be placed together with the participant in the preparation room for cheating prevention. However, they are not allowed to speak to or assist the participant once s/he is already in the preparation room.

- 1.13. The participants will be allowed to record themselves during their speech in case of any unexpected interruption (e.g., power supply, internet connectivity, etc.). Once the occurrence and authenticity of such an event is proven, the submitted video shall serve as their official entry and will be judged in accordance with the criteria.
- 1.14. In case of sudden interruption during the speech proper, submitted entries will become properties of PHYSIKA, UP Applied Physics Society.
- 1.15. There will be a sub-event head that will monitor the event. In case that any unforeseen matters arise, the sub-event head will be the deciding body. The decision of the sub-event head is final and irrevocable.
- 1.16. The winners will be announced on May 8, 2022 after the Quiz Bowl event.

## 2. Contest Mechanics

- 2.1. The event shall be held in Zoom, and the main room shall serve as the lobbying and waiting room, where all participants will wait for their turn to be given the topic.
- 2.2. The order of the participants will be determined through a randomizer, which will be screen shared whether the participant is already at the session or not. Their order will serve as their assigned numbers to which their display names will be changed for identification purposes. In case of absence, the room facilitator shall inform the participant of their order once they enter the session.
- 2.3. There will be two breakout rooms. The participant will be placed in the first breakout room once it is their turn to prepare, which shall be referred to herein as the "preparation room." If the participant is absent during his/her turn, s/he will be penalized with a 1%-point deduction. His/her position in the original order shall be moved one place further, so that s/he will now succeed the participant that was



originally following him/her. This deduction could be repeatedly imposed until the participant is finally present.

- 2.4. Starting from the preparation room, it is required for the participants and coaches to open their cameras to prevent cheating. In this room, the room facilitator shall inform the participant of the topic through speaking and/or private message.
- 2.5. There will only be five (5) minutes to prepare their speech. If there is a sudden interruption, the preparation time of the participant will still continue to run.
- 2.6. After the time given for preparation has elapsed, only the participant will be placed in the second breakout room, which shall be referred to herein as "speech room," where s/he will present his/her speech to the judges. The coach shall remain in the preparation room for monitoring purposes.
- 2.7. The room facilitator will screen share a timer to track the time and pin the participant on the screen. The participant must start once the facilitator gives the signal to do so. The speaker should turn on their cameras during the speech.
- 2.8. The participant should deliver his/her speech for three (3) minutes. There will be a 2%-point deduction once the speaker exceeds 10 seconds after the time has elapsed. The speaker must not exceed 20 seconds, otherwise, they will be disqualified from the competition.
- 2.9. The participant will be judged based on the following criteria:

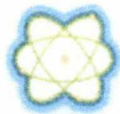
30%	Mastery and Explanation of the Topic
30%	Relevance to the Topic
20%	Command of English Language and Correct and Effective Usage of Jargons
20%	Clarity and Organization of Thoughts
<hr/>	
100%	Total

- 2.10. The participants are highly encouraged to record themselves during the speech proper in case of an unexpected interruption, such as power interruption or internet connection loss. The participant must submit a recording in MP4 or MOV format with the filename



ESC\_<Participant No.> (e.g., ESC\_1.mp4) to the email address [liknayan.physika@gmail.com](mailto:liknayan.physika@gmail.com) with the subject line Likhayan 2022: ESC - <School Name> - <Last Name>, <FirstName> (e.g., Likhayan 2022: ESC - Dela Cruz, Juan), along with proof of the occurrence and authenticity of the said sudden interruption. No alterations should be made to the video. The video can only be submitted until May 7, 2022, 11:59 p.m.

- 2.11. After the participant has delivered his/her speech, he/she and the coach will be placed back to the main room, and they could leave the meeting.
- 2.12. The top 3 scoring individuals will be declared as the 1st, 2nd, and 3rd place winners accordingly.



The *LIK NAYAN 2022: Online Quiz Bowl* is an interschool quiz competition that seeks to engage high school students with deep appreciation in the field of physics and applied physics in pursuing academic excellence and, at the same time, fostering a healthy competition among them.

### **1. General Guidelines**

- 1.1. Each participating quiz bowl team shall be composed of three (3) members only.
- 1.2. For the Final Round, the team may opt to have a substitute participant or a "4th man" only on the occasion that one of the members of a team has encountered an issue and continuing the event is no longer possible, the 4th man may act as a substitute to the said participant.
- 1.3. The participants should ensure a stable internet connection, working laptop camera (webcam) and microphone during the event proper. In response to connectivity issues during the event, an extension of five (5) minutes will be allowed in the elimination round and a pause of one (1) minute will be given for each team in the final round.
- 1.4. PAUSE: A one-minute pause will be given to every team in the final round. The pause will temporarily stop the timer in the event, allowing the connectivity issue to be fixed within the allotted time.
- 1.5. The coverage of the quiz contest includes the following:
  - i. Motion and Mechanics
  - ii. Thermodynamics
  - iii. Electricity and Magnetism
  - iv. Energy and Work
  - v. Optics
- 1.6. Every question will only have one (1) final answer unless stated otherwise.
- 1.7. Misspelled and incomplete answers will be considered incorrect.
  - i. Full name should be stated if a person's name is being asked.
  - ii. Abbreviations will not be accepted unless it is a unit of measurement.
  - iii. Units of measurement should be indicated whenever necessary.
- 1.8. Any form of cheating is prohibited and shall be grounds for disqualification of the team.



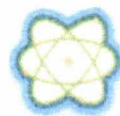
- 1.9. For the Elimination round, participants will be monitored using AutoProctor, an automated online test proctoring, while taking the quiz. The students will be asked to allow the said system to access their cameras and microphones for the duration of the event. This is to ensure that the students adhere to the guidelines of the event.
- 1.10. In case there are less than eight (8) participating teams, there shall be no Elimination Round. All participating subteams shall proceed to the Final Round.
- 1.11. A judge specializing in the field of physics shall monitor the event.
- 1.12. The decision of the judge is final and irrevocable.
- 1.13. All participating students are required to join the Discord server prepared by the organization for the event. An invite link shall be sent to the emails provided by the participants prior to the event.
- 1.14. Participants will be required to join the respective Discord channel prepared for their team for the quiz bowl event. This is for the purpose of providing a means of communication for each team and ensuring that the participants adhere to the guidelines of the event.

## **2. Contest Mechanics**

- 2.1. There will be two (2) rounds in the quiz contest, namely: (1) elimination, and (2) final round.
- 2.2. The questions that will be given are in the form of multiple choice, identification, and problem solving.

### **A. Elimination Round**

- 2.3. Each participant in the team will be given a set of 30 questions in the form stated in 2.2. Each question will have a maximum of 1 point with a total of 30 points.
- 2.4. The set of questions must be answered within one (1) hour and five (5) minutes. The five-minute allowance was added in consideration for participants with slow internet connection.
- 2.5. The average score of each team will be taken and it shall be rounded off to the nearest whole number. Teams must have an average score greater than 20 to advance to the final round. Otherwise, they will be eliminated.



- 2.6. There shall be a minimum number of teams that should qualify to the next round depending on the total number of the participating subteams. In the event that this minimum is not reached, the following scheme shall be followed:
- Only the Top 15 teams will proceed to the Final Round if there are more than 20 participating teams; otherwise,
  - Only the Top 10 teams will proceed to the Final Round if there are 16-20 participating teams; otherwise,
  - Only the Top 5 teams will proceed to the Final Round if there are 8-15 participating teams.
- 2.7. In the event where none of the participating teams have been qualified/eliminated, the same scheme mentioned above shall be followed.

#### B. Final Round

- 2.8. There shall be three (3) levels of difficulty in this round, namely: easy, average, and difficult.
- 2.9. Each question will be projected on the screen and will be read twice by the quiz master.
- 2.10. There will be a total of 20 questions. The team that answers all the questions correctly will score a maximum of 60 points. The breakdown per round can be seen as follows:

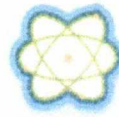
Level of Difficulty	Number of Questions	Points per Question	Time Limit
Easy	10	2	15 s
Average	5	3	30 s
Difficult	5	5	60 s

- 2.11. For problem solving questions, an extension of ten (10) seconds will be added to the timer.
- 2.12. Teams will be allowed to raise clarifications after the correct answer is revealed. The judge will be consulted regarding the clarifications. Decisions made by the judge are final. When the next question has been



read, clarifications regarding the previous question will no longer be entertained.

- 2.13. After all questions have been asked, the top 3 scoring teams will be declared as 1st, 2nd, and 3rd place winners accordingly.
- 2.14. In case of a tie in the top 3 spots, a Clincher Round shall be given. Participants are allowed to write down their answers immediately while the question is being read. Each question in the Clincher Round is good for one minute only. Once a participant answers correctly, the other participant will automatically be eliminated. Clincher Round will however continue if none of the participants correctly answered the question.



The *LIK NAYAN 2022: Career Talk* is a webinar open to all interested participants, with the aim of driving career awareness in the fields of Physics and Applied Physics. At least two speakers from the industry and academics will be participating in the said event to share their personal journeys, first-hand experience, and insights on their respective career paths. It will expose students to a variety of professional options and may even assist them in identifying their personal career goals. More information about the event will be available on the LIK NAYAN Facebook page and other social media channels.

# REGISTRATION FORM



**LIKNAYAN**  
2022

## LIKNAYAN 2022 REGISTRATION FORM

Date Submitted: \_\_\_\_\_

Name of School: \_\_\_\_\_

School Address: \_\_\_\_\_

### Participant's Information

	Full Name	Year Level	Email Address/ Contact Number	Signature	Event
1.	_____	_____	_____	_____	Quiz Contest
2.	_____	_____	_____	_____	Quiz Contest
3.	_____	_____	_____	_____	Quiz Contest
4.	_____	_____	_____	_____	Video Contest
5.	_____	_____	_____	_____	Video Contest
6.	_____	_____	_____	_____	Video Contest
7.	_____	_____	_____	_____	Poster Making
8.	_____	_____	_____	_____	Extemporeous

Substitute participant (Optional)

\_\_\_\_\_ (Quiz Contest)

COACH:

NOTED BY:

\_\_\_\_\_  
Signature over Printed  
Name

\_\_\_\_\_  
Signature over Printed Name

\_\_\_\_\_  
Designation

\_\_\_\_\_  
*Principal*  
Designation

\_\_\_\_\_  
Email Add./Contact No.

