

Republic of the Philippines
Department of Education
 NATIONAL CAPITAL REGION

Advisory No. 020, s. 2024
 January 24, 2024

In compliance with DepEd Order No. 8, s. 2013
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 but only for the information of DepEd officials,
 personnel/staff, as well as the concerned public.
 (Visit www.deped.gov.ph)

SURGE 2024: AI HORIZONS - ENGINEERING A SMARTER TOMORROW

The UP Engineering Society has established an environment of harmony and healthy competition between the various departments and institutions under one college for the past 27 years. Through the execution of diverse projects meant to unite different disciplines as one, and have produced engineers who have broader perspectives of engineering as a profession and as a service.

This 9th of March, their organization will conduct a nationwide engineering symposium for senior high school students enrolled in the Science, Technology, Engineering, and Mathematics strand, entitled “*SURGE 2024: AI Horizons - Engineering a Smarter Tomorrow*.”

SURGE 2024 aims to introduce different Engineering programs to aspiring students and to promote the responsible use of AI technology and its integration with education. This whole-day event will cover an Engineering Symposium that will be attended by notable speakers and a laboratory tour that showcases equipment and projects of different departments of the College of Engineering.

The National EEE Competition and Convention will now be administered face-to-face and will be held on March 1 at the University of the Philippines Diliman.

The target participants are high school principals or heads.

For more information, please contact:

Ivan Robert D . Arenas
 SURGE 2024 Overall Co-Head

Janross Francis M. Mercado
 SURGE 2024 Overall Co-Head

(+63) 917 703 8617
upenggsoc.surge@gmail.com.

Encl.: As stated

AD-2024-024



Misamis St., Bago Bantay, Quezon City
 Tel. Nos.: 920-58-24; 926-2213 local 801
 Email Address: ncr@deped.gov.ph
 Website: <http://www.deped.gov.ph/regions/ncr/>

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SURGE



EX-24



UP ENGINEERING SOCIETY

The UP Engineering Society (UP Eng'gSoc) is the first college-based organization for Engineering students at the University of the Philippines Diliman.

For the past 25 years, UP Eng'gSoc has established an environment of harmony and healthy competition between the various departments and institutions under one college. Through the execution of diverse projects meant to unite different disciplines as one, we have produced engineers who have broader perspectives of engineering as a profession and as a service.

In the pursuit of building bridges and breaking barriers in the fields of science and technology, our members which have grown within competitive adversity have each striven to achieve their academic excellence in the hopes of creating a progressive community.

INTERESTING FACTS



BOASTING
13,000+
ONLINE REACH



HOME TO OVER
14 DIFFERENT
UNDERGRADUATE AND GRADUATE COURSES



WITH OVER
500+
GRADUATES

BOARD TOPNOTCHERS

9TH



1ST



3RD



2ND



9TH



4TH



2ND



5TH



SURGE

The SURGE Engineering Symposium is UP Eng'gSoc's annual flagship event geared towards engineering aspirants in the local junior and senior high school community. The event traditionally features a combination of a series of comprehensive talks from educated authorities in the fields as well as an interactive laboratory tour. Through these, we can forge a close connection with the student registrants as well as introduce them personally to the various studies of engineering.

SURGE TRACK RECORD



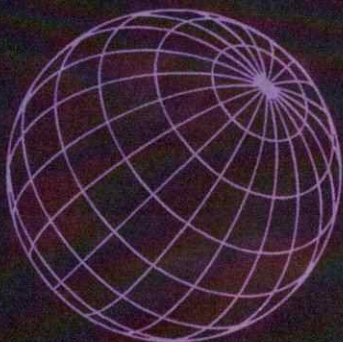
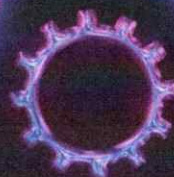
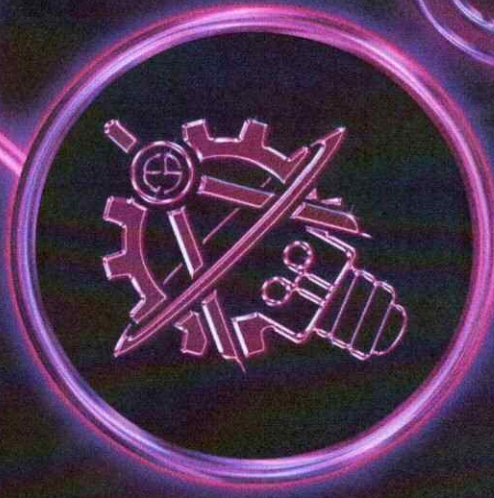
REACHED OVER
20 DIFFERENT
HIGH SCHOOLS



DEPED ACCREDITED



INVITED OVER
400
STUDENTS



SURGE

2024



AI HORIZONS: ENGINEERING A SMARTER TOMORROW

The UP Engineering Society gears a head-on experience of the different fields of engineering and its impact within the great rise of modernization of artificial intelligence (AI) to the Filipino youth. SURGE 2024 aims to introduce the different engineering fields and discuss AI's influence within engineering through our [Engineering Symposium](#) as well as immersing the students with the full-pledged university experience with educational [laboratory tours](#) and [instrument demonstrations](#). At the end of the program, a culminating discussion is scheduled, directed by our organizers, providing all students with an opportunity to engage in conversations with their peers, reflecting on and discussing the events that have transpired.

The Engineering Symposium will have up to six distinguished speakers giving out talks, each dealing with every engineering department available within the University of the Philippines – Diliman. Each seminar will be tailored to the context of a university student aspirant who is still free to choose which course to pursue in the near future as well as how their aspiring programs would be affected by the rise of AI. By the end of the symposium, the students are now expected to gain new information and experience concerning the different strands of engineering and artificial intelligence.

SURGE



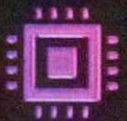
EVENT GUIDELINES

OBJECTIVES

As we gear in back to this year's UP Engineering Society's premier annual engineering symposium, SURGE 2024: AI Horizons - Engineering a Smarter Tomorrow, will be conducted in the hopes of achieving the following objectives:



To introduce unique and uncommon programs within the different departments to shed light to the variety of different programs within the Engineering discipline to aspiring students.



To promote the responsible use of AI technology, hand-in-hand with education



To serve as an avenue for awareness in the development and engagement in the fields of science and technology

DATE AND VENUE

This event will be held on "March 09, 2024" Saturday, at the 3/F Engineering Theatre, College of Engineering, Melchor Hall, University of the Philippines Diliman, Quezon City. This is a whole day event with the time schedule as follows:

TIME | EVENT

7:00 AM - 7:45 AM	Registration
7:45 AM - 8:00 AM	Opening Ceremony
8:00 AM - 8:45 AM	First Speaker: UP Department of Geodetic Engineering
8:45 AM - 9:30 AM	Second Speaker: UP Department of Mechanical Engineering
9:30 AM - 10:15 AM	Third Speaker: UP Department of Chemical Engineering
10:15 AM - 10:35 AM	Ice Breaker
10:35 AM - 11:20 AM	Fourth Speaker: UP Institute of Electrical and Electronics Engineering
11:20 AM - 12:05 PM	Fifth Speaker: UP Department of Mining, Metallurgical, and Materials Engineering
12:05 PM - 1:00 PM	Lunch Break
1:00 PM - 4:00 PM	Laboratory Tour
4:00 PM - 4:45 PM	Awarding of Schools & Closing Ceremony
4:45 PM - 5:00 PM	Egress



REGISTRATION

Registration into the event will be conducted and moderated online and restricted to verified senior high school students, procured primarily through direct school contacts or partnerships.

Participating schools will have the option to choose anywhere from **fifteen (15) to twenty (20) student participants** which may vary depending on the negotiations.

Minimum requirements set for school partners include the administered release and publication of event registration forms to their respective student bodies, pledging of a minimum number of student participants, and support in the dissemination of event publicity materials

Registration Fee

Three (3) sets of Registration Packages are available per student.

SET	A	B	C
Early Bird	Php 350	Php 430	Php 650
Regular	Php 400	Php 480	Php 670
Morning/Afternoon Snacks	✓	✓	✓
Packed Lunch		✓	✓
T-Shirt			✓

Every school that intends to join the contest must fill out either the [Early Bird Registration form](#) or the [Regular Registration Form](#). This will include the contact details of the said school and participants.

The deadline for filling out the [Early Bird Registration Form](#) is on [February 9, 2024](#).

The deadline for filling out the [Regular Registration Form](#) is on [February 23, 2024](#).

Intending participants may access the form through this link:

Early Bird:

<http://tinyurl.com/SURGE2024EarlyBirdRegForm>

Regular:

<http://tinyurl.com/SURGE2024RegistrationForm>

The registration fee must be deposited on or before [February 24, 2024](#), in our Landbank or GCash account:



Landbank:

Janross Francis M. Mercado
0237213696



Paymaya/Gcash:

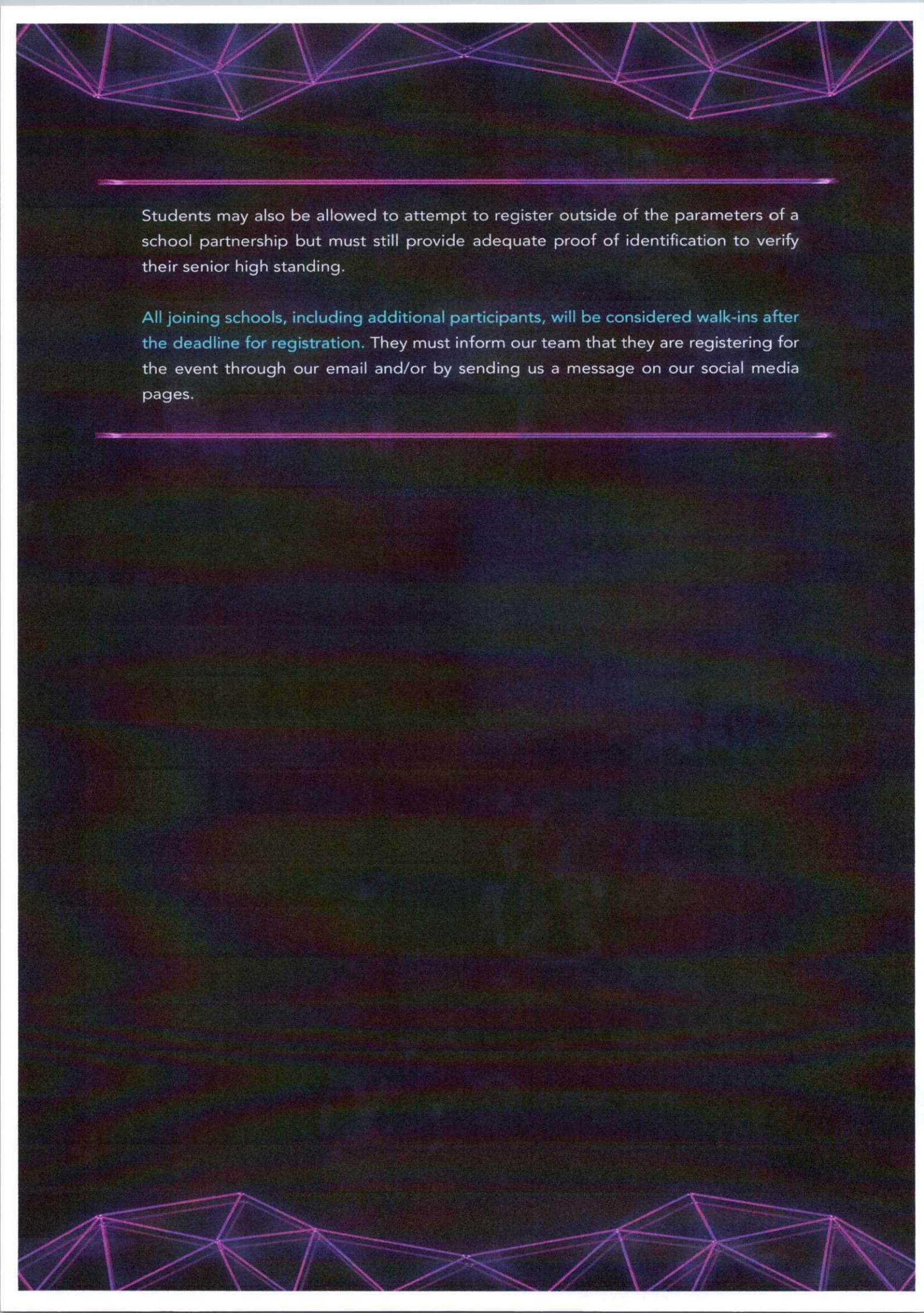
Janross Francis Mercado
09987215380

A scanned/clear photo of the proof of payment should be submitted through our [email address](#).

SURGE 2024 Email Address:

upenggsoc.surge@gmail.com

Any and all logistical issues with the students will be taken up with their respective schools.



Students may also be allowed to attempt to register outside of the parameters of a school partnership but must still provide adequate proof of identification to verify their senior high standing.

All joining schools, including additional participants, will be considered walk-ins after the deadline for registration. They must inform our team that they are registering for the event through our email and/or by sending us a message on our social media pages.

SURGE EX24

EVENT ORGANIZERS



A handwritten signature in blue ink that reads "Ivan".

**IVAN ROBERT
D. ARENAS**

SURGE 2024 Overall Co-Head
09177038617
iaarenas@up.edu.ph



A handwritten signature in blue ink that reads "Jan Ross Francis M. Mercado".

**JAN ROSS FRANCIS
M. MERCADO**

SURGE 2024 Overall Co-Head
09987215380
jmmercado6@up.edu.ph

SURGE



2024

For more information, visit us at:

UP Engineering Society Address:

3F Melchor Hall, College of Engineering, Osmeña Ave., University of the Philippines,
Diliman, Quezon City



Email:

upenggsoc.surge@gmail.com



Facebook:

www.facebook.com/surge.upes

The logo for SURGE 2024 features the word "SURGE" in a large, stylized, pink, 3D-effect font. Below it, the year "2024" is written in a similar font. A gear and a pencil are integrated into the design, positioned over the "2024". The background is dark with blue and pink circuit-like patterns on the sides.

SURGE 2024

January 18, 2024

Wilfredo E. Cabral
Regional Director
Department of Education NCR
Misamis St., Bago Bantay, Quezon City

Greetings!

For the past 27 years, the UP Engineering Society has established an environment of harmony and healthy competition between the various departments and institutions under one college. Through the execution of diverse projects meant to unite different disciplines as one, we have produced engineers who have broader perspectives of engineering as a profession and as a service.

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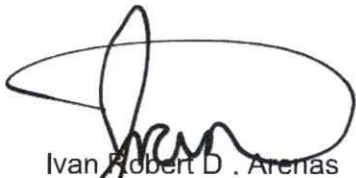
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In line with this, we would like to formally ask for your endorsement of our event addressed to high school principals or heads in this worthwhile endeavor and help us invite and encourage public and private high schools to participate. We hope to invite at least 8-10 senior high school STEM students per school from different schools around NCR as participants. As stated earlier, the event shall be held on March 9, 2024, Saturday, from 8:00 am to 5:00 pm at the 3/F Melchor Hall Engineering Theatre.




Should you have questions or concerns, please do not hesitate to contact us at (+63) 917 703 8617. You may also email us at upenggsoc.surge@gmail.com. Thank you very much and we are hoping for your positive response!

Sincerely Yours,
SURGE 2024 ORGANIZERS



Ivan Robert D. Arenas
SURGE 2024 Overall Co-Head



Janross Francis M. Mercado
SURGE 2024 Overall Co-Head