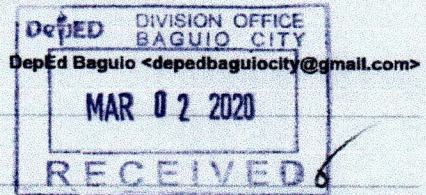


3/2/2020

Gmail - Invitation to National Robotics and Engineering Fair (NREF) 2020



**Invitation to National Robotics and Engineering Fair (NREF) 2020**

1 message

STEMHubEvents Secretariat <stemhubsecretariat@gmail.com>  
To: depedbaguiocty@gmail.com

Mon, Mar 2, 2020 at 11:47 AM

**SUBJECT: 2<sup>nd</sup> National Robotics and Engineering Fair (NREF) Philippines**

A pleasant day to you!

We would like to invite your organization and respectfully seek your endorsement to the 2<sup>nd</sup> National Robotics and Engineering Fair (NREF) Philippines on July 24-25, 2020 at Swiss-Belhotel Blulane, Chinatown, Manila. This big scale robotics and engineering research event aims to promote the development of scientific and 21<sup>st</sup> century skills among the citizens of the country.

Robotics program was introduced in many of our public and private schools nationwide to show students that engineering and Information Technology can be fun by making abstract knowledge concrete. Working with robots and using it as a tool for research enhances creative problem solving techniques and encourages the development of basic communication and interpersonal skills as well as the ability to collaborate and convey complex ideas to a fellow students or colleagues.

The three main events in the NREF 2020 are as follows:

Events	Categories
URC (Ultimate Robot Championship)	Autonomous wheeled robots a.) 1kg b.) 2 kgs c.) 3 kgs & up open for all ages
Engineering Research Fair (open for research enthusiasts of all ages)	Topics include: Astrophysics, Energy & Space, Physics, Electricity & Electronics, Inventions & Innovations, Robotics, Computer Science & Math
Robotics Design Competition (for those who are interested in designing robots and making intelligent machines)	Robotics and Intelligent Machines for <ul style="list-style-type: none"> <li>• Business</li> <li>• Environment</li> </ul>

This curricular move targets to support the thrust of the Department of Education curriculum in developing learners that are creative, critical thinkers and problem solvers. Our company, the STEM Education Training Hub have been giving training programs on robotics for teachers and students for several years now and have garnered championship awards in the international robotics competitions.

We respectfully seek for your favor by helping us reach students and teachers who have interest in robotics, designing, inventing and scientific research. And together, through this program, we could be able to cultivate a society full of innovators, critical thinkers, and problem solvers. General rules and guidelines will be sent through email upon request using the email [nref.ph@gmail.com](mailto:nref.ph@gmail.com).

Thank you very much!

Sincerely,  
JOSEPH R. JACOB, LPT, MBA, MAEd, FRIEDR  
Director, The STEM Hub  
President, National Robotics and Engineering Fair Philippines

NREF2020\_Invitation\_Letter\_SDO Ba 1772K



Republic of the Philippines  
Cordillera Administrative Region  
**DIVISION OF BAGUIO CITY**  
#82 Military Cut-off Road, Baguio City



March 03, 2020

**ADVISORY**

**TO: PUBLIC ELEMENTARY & SECONDARY SCHOOL HEADS  
PRIVATE ELEMENTARY & SECONDARY SCHOOL HEADS**

For information and appropriate action subject to existing guidelines.

**MARIE CAROLYN B. VERANO, CESO V**  
Schools Division Superintendent

<https://mail.google.com/mail/u/0?ik=eaf08a562e>



STEM Education Training Hub

March 02, 2020

Marie Carolyn B. Verano Ph.D.
Schools Division Superintendent
Department of Education SDO
Baguio
82 Military Cutoff Rd, Baguio, Benguet

Dear Dr. Verano,

SUBJECT: 2nd National Robotics and Engineering Fair (NREF) Philippines

A pleasant day to you!

We would like to invite your organization and respectfully seek your endorsement to the 2nd National Robotics and Engineering Fair (NREF) Philippines on July 24-25, 2020 at Swiss-Belhotel Blulane, Chinatown, Manila. This big scale robotics and engineering research event aims to promote the development of scientific and 21st century skills among the citizens of the country.

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The three main events in the NREF 2020 are as follows:

Table with 2 columns: Events and Categories. Rows include URC (Ultimate Robot Championship), Engineering Research Fair, and Robotics Design Competition.

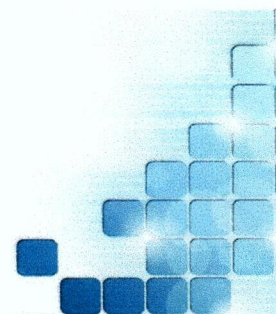
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Thank you very much!

Sincerely, JOSEPH R. JACOB, LPT, MBA, MAEd, FRIEDr
Director, The STEM Hub
President, National Robotics and Engineering Fair Philippines

STEM EDUCATION TRAINING HUB
09662082556 (Globe) / 09325342791 (Sun)
stemeducationhub@gmail.com / Facebook@stemhub21
www.stemtrainings.com

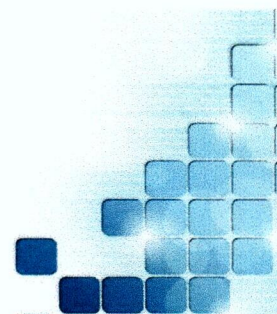


2<sup>nd</sup> National Robotics and Engineering Fair (NREF) Philippines  
**PROGRAM MATRIX**

July 24, 2020	July 25, 2020
10 am-12nn Registration of participants and set up of projects	8am-2pm Presentation of projects URC games continuation
1pm-5pm Judging of projects URC Games	3pm-5pm Awarding Ceremonies

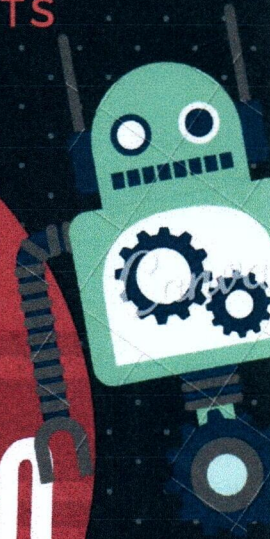
2<sup>nd</sup> National Robotics and Engineering Fair (NREF) Philippines  
**TEAM REGISTRATION FORM**

School:	School Address:	
Contact Number:	Email:	
Leader:	Event 1 / Project Title ERF and RDC only:	Event 2 (optional):
Members (Max of 4):		
Adviser / Coach (Max of 2):	Chaperone / Observer (Max of 5):	
Total Number of Delegation:		



THE STEM HUB PRESENTS

2ND NATIONAL  
ROBOTICS &  
ENGINEERING FAIR  
**NREF 2020**



**JULY 24-25, 2020**  
**SWISS-BELHOTEL BLULANE,**  
**CHINATOWN, MANILA, PHILIPPINES**

**OPEN TO ELEMENTARY & HIGH SCHOOL STUDENTS**

**-ULTIMATE ROBOT CHAMPIONSHIP-**

**-ROBOT DESIGN COMPETITION-**

**-ENGINEERING RESEARCH FAIR-**

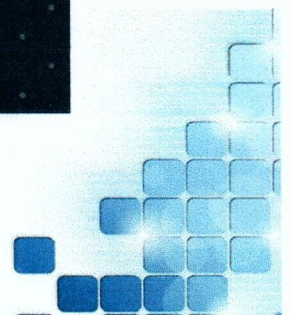
**INQUIRE @ [NREF.PH@GMAIL.COM](mailto:NREF.PH@GMAIL.COM) / 09662082556 / 09325342791**

**STEM EDUCATION TRAINING HUB**

09662082556 (Globe) / 09325342791 (Sun)

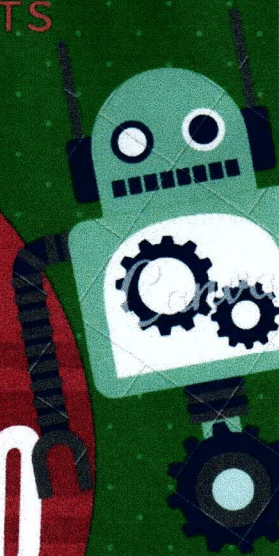
[stemeducationhub@gmail.com](mailto:stemeducationhub@gmail.com) / [Facebook@stemhub21](https://www.facebook.com/stemhub21)

[www.stemtrainings.com](http://www.stemtrainings.com)



THE STEM HUB PRESENTS

ENGINEERING  
RESEARCH FAIR  
**NREF 2020**



2ND NATIONAL ROBOTICS & ENGINEERING FAIR  
JULY 24-25, 2020

SWISS-BELHOTEL BLULANE, CHINATOWN, MANILA, PHILIPPINES

OPEN TO ALL AGES

**-ENGINEERING RESEARCH FAIR-**

TOPICS INCLUDE: ASTROPHYSICS, ENERGY & SPACE,  
PHYSICS, ELECTRICITY & ELECTRONICS, INVENTIONS &  
INNOVATIONS, ROBOTICS, COMPUTER SCIENCE & MATH

INQUIRE @ [NREF.PH@GMAIL.COM](mailto:NREF.PH@GMAIL.COM)

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[www.stemtrainings.com](http://www.stemtrainings.com)



## Registration Process:

Registration fee: P5,000 per person (+ 3,500 for additional member of the team which may include players, research finalist, contestant, coach, parent, school officials and chaperone)

inclusion:

Each participant may join up to two categories (e.g. URC and Engineering Research Fair)

Overnight stay at the hotel

Selected meals

Event kit

Certificates

for the winners:

medal

plaque and cash award (for the grand champion)

\*there shall be a maximum of 5 members and up to 4 chaperones per team.

SEND YOUR APPLICATION AT [nref.ph@gmail.com](mailto:nref.ph@gmail.com)

CALL OR TEXT US @ 09662082556 / 09325342791

We will send the guidelines upon email request with the following information:

Name:

Position:

Institution / School:

Contact Number:

Message:

Send the registration fee to:

BDO Acct: STEM EDUC TRAINING HUB

Acct#:006320401108

**STEM EDUCATION TRAINING HUB**

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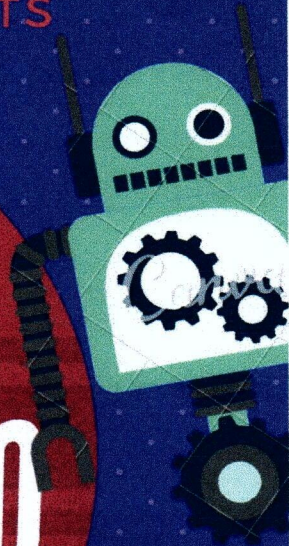
[stemeducationhub@gmail.com](mailto:stemeducationhub@gmail.com) / [Facebook@stemhub21](https://www.facebook.com/stemhub21)

[www.stemtrainings.com](http://www.stemtrainings.com)



THE STEM HUB PRESENTS

ULTIMATE ROBOT  
CHAMPIONSHIP  
NREF 2020



2ND NATIONAL ROBOTICS & ENGINEERING FAIR

JULY 24-25, 2020

SWISS-BELHOTEL BLULANE, CHINATOWN, MANILA, PHILIPPINES

OPEN TO ALL AGES

-ULTIMATE ROBOT CHAMPIONSHIP-  
AUTONOMOUS WHEELED ROBOTS  
1KG-2KG-3KG & UP

INQUIRE @ NREF.PH@GMAIL.COM

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STEM EDUCATION TRAINING HUB

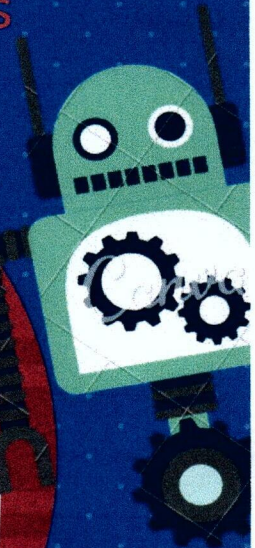
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THE STEM HUB PRESENTS

ROBOTICS DESIGN  
COMPETITION  
**NREF 2020**



2ND NATIONAL ROBOTICS & ENGINEERING FAIR  
JULY 24-25, 2020

SWISS-BELHOTEL BLULANE, CHINATOWN, MANILA, PHILIPPINES

OPEN TO ALL AGES

-ROBOTICS DESIGN COMPETITION-  
CATEGORIES: ROBOTICS FOR BUSINESS  
& ENVIRONMENT

INQUIRE @ [NREF.PH@GMAIL.COM](mailto:NREF.PH@GMAIL.COM)

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