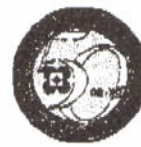




Republic of the Philippines  
DEPARTMENT OF SCIENCE AND TECHNOLOGY  
Regional Office No. IV-A (CALABARZON)



January 22, 2016

Dr. DIOSDADO M. SAN ANTONIO  
Regional Director  
DepEd Region IV-A  
Gate 2, Karangalan Village  
Cainta, Rizal

*To: SDS  
For your appreciation  
action, please.  
Panda God Bless  
J. San Antonio*

Dear Dr. San Antonio:

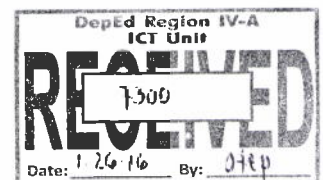
The Department of Science and Technology CALABARZON Region (DOST IV-A) supports the forthcoming conduct of the **20<sup>th</sup> INTER-HIGH SCHOOL NATURAL SCIENCE QUIZ SHOW, 5<sup>th</sup> LIKHANG DALIRI: On the Spot Poster Making Contest and 3<sup>rd</sup> TINTA NG KAISIPAN: An On the Spot Essay Writing Contest on February 29, 2016 at the Electrical Engineering Building, UP Los Baños.** These activities promote High School Students' knowledge on the Natural Sciences as well as Environmental Awareness through the Arts and Letters.

In this regard, we would like to request a regional memorandum or advisory to encourage the participation of high school students, since Region IV-A has a lot of high schools, both private and public. Attached is the original communication sent by the Society of Chemical Engineering Students for your reference.

Thank you for your sustained support which can contribute towards the progress and development of our region.

Very truly yours,

*[Signature]*  
**ALEXANDER R. MADRIGAL, Ph. D**  
Regional Director



2016-OUT 01 -ORD- 095

*Limang Dekada ng Makabuluhang Serbisyo sa Bayan at Pamayanan*

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Los Baños, Laguna 4030

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+63 49 536 5005 (Admin)

URL: <http://region4a.dost.gov.ph>

Email: [dost4a@dost.gov.ph](mailto:dost4a@dost.gov.ph)



January 19, 2016

Dr. Alexander Madrigal  
 Regional Director  
 DOST CALABARZON

Dear Sir:

The UPLB Society of Chemical Engineering Students (UPLB SChemES), is a duly recognized academic organization in the University of the Philippines Los Baños exclusive for B.S. Chemical Engineering Students, has been committed to the pursuit of professional and academic excellence, the enhancement of interactions among university constituents and the advancement of the Philippine community through the application of Chemical Engineering.

For the past 29 years of its establishment, the Society quested for excellence, leadership and holistic development, evolving into a more competitive and reputable organization in the university by hosting various major and minor activities inside and outside the university, others that aim to serve the community and to promote chemical engineering. Since then, the Society has flourished in producing academic and proficient members.

On February 29, 2016 the Society will be having the 20th INTER-HIGH SCHOOL NATURAL SCIENCE QUIZ SHOW, 5th LIKHANG DALIRI: An On-the-Spot Poster Making Contest and 3rd TINTA NG KAISIPAN: An On-the-Spot Essay Writing Contest at the Electrical Engineering Building, UP Los Baños. These activities promote High School Students' knowledge on the Natural Sciences as well as Environmental Awareness through the Arts and Letters.

In line with this, we would like to request for your endorsement of the three events. Your endorsement will be a great help for us to invite and gather more participating high schools within CALABARZON and Metro Manila areas and also to promote the field of chemical engineering among high schools students.

We are sincerely hoping for your favorable response. Your consideration regarding this matter is highly appreciated. Attach herewith are the mechanics of the three events.

Thank you and good day.

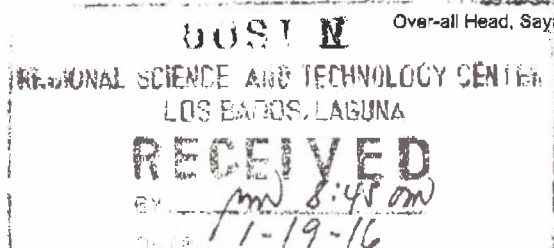
Respectfully yours,

*Aina Angelino Buan*  
 Aina Angelino Buan  
 0915-3456-204

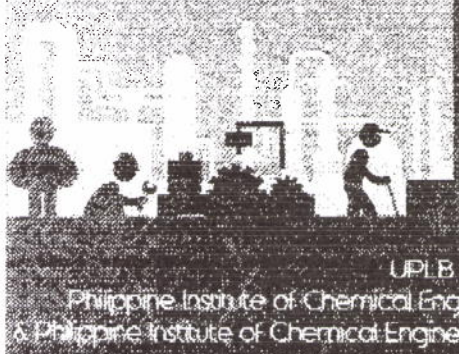
Over-all Head, Sayagham

Recommending Approval:

*Myra G. Borines*  
 Dr. Myra G. Borines  
 Senior Faculty Adviser



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UPLB SChemES is a member of the  
 Philippine Institute of Chemical Engineers – Junior Chapter Luzon  
 & Philippine Institute of Chemical Engineers – Junior Chapter Laguna



College of Engineering & Agro-Industrial Technology,  
 University of the Philippines Los Baños,  
 College, Laguna 4203

OFFICE OF THE REGIONAL DIRECTOR  
**UPLB SChemES**



THE PHILIPPINE INSTITUTE OF CHEMICAL ENGINEERS  
 LOS BAÑOS CHAPTER

# 20<sup>TH</sup> INTER-HIGH SCHOOL NATURAL SCIENCE QUIZ SHOW

### Objectives

1. To promote students' critical and agile thinking;
2. To deepen the students' appreciation for the natural sciences; and
3. To uphold camaraderie and the spirit of sportsmanship among students.

### Requirements

1. Any group composed of two (2) bonafide third year and three (3) fourth year high school students from schools in CALABARZON and Metro Manila can participate in the said quiz contest.
2. Three participants will serve as the main players and two as alternates.
3. Only one calculator per team is allowed.

### Scope of the Quiz

The questions will cover topics in Chemistry, Mathematics, Physics, Earth Science and Biology.

### Mechanics of the Quiz Contest Proper

1. The contest will consist of three rounds.
  - A. ROUND 1: A total of **twenty (20)** questions, each to be answered within a specified time, will be given. A correct answer will gain **five points (5)**, wrong answer will have a score of **negative one (-1)**, and **no answer, zero (0)**. If a correct answer is submitted before **halftime**, the score will be **doubled**. Halftime corresponds to half the time allotted for answering the given questions, i.e. the problem is to be answered within ten (10) seconds then the halftime is five (5) seconds.
  - B. ROUND 2: A total of **fifteen (15)** questions will be given. A correct answer will gain **ten points (10)**, wrong answer will have a score of **negative three (-3)**, and for **no answer negative one (-1)**. If a correct answer is submitted before **halftime**, the score will be **doubled**.
  - C. The teams with the five highest accumulated scores from the first and second round will advance to the final round. In case of a tie for the fifth spot, a clincher question shall be given.

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# UPLB ChemES