



INSTITUTE OF INTEGRATED ELECTRICAL ENGINEERS
OF THE PHILIPPINES, INC.

COUNCIL OF STUDENT CHAPTERS

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12TH PHILIPPINE ELECTRICAL CODE QUIZ SHOW AND 1ST CLASH OF THE INTELLECTS IN ENGINEERING SCIENCES AND ALLIED SUBJECTS

November 28, 2014

CONCEPT PAPER

INTRODUCTION

The Council of Student Chapters (CSC), the student arm of the Institute of Integrated Electrical Engineers of the Philippines, Inc (IIEE) will be having its 12th Philippine Electrical Code Quiz Show (PECQS) and 1st Clash of the Intellects in Engineering Sciences and Allied Subjects (CIENSCIA) as part of the 1st Electrical Engineering and Technology Student Summit during the 39th IIEE Annual National Convention.

Since its birth in the year 2002, the PEC Quiz show has brought students as well as the faculties in highlighting the importance of the **Philippine Electrical Code (PEC)** in the students' future field of practice while promoting camaraderie and unity by involving themselves in a healthy competition. Meanwhile, on its first year, CIENSCIA is one of the most anticipated event of CSC for 2014. This new quiz show focuses on **Engineering Sciences and Allied Subjects (ESAS)**.

RATIONALE

Deep knowledge of the PEC is an indispensable facet of an electrical practitioner. The **PECQS** engages the Electrical Engineering and Electrical Technology students to learn more and understand the PEC better through a healthy competition.

The CSC envisions **CIENSCIA** to intensify the interest and enthusiasm of Electrical Engineering students in the field of ESAS and help them prepare for the licensure examination where the ESAS weighs 30%. Moreover, the CSC would like to contribute in producing future-proof and well-rounded Electrical Engineers knowledgeable in other areas of Engineering and Sciences.



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COVERAGE

(Section limited to CIENSCIA)

The questions on the 1st Clash of the Intellects in Engineering Sciences and Allied Subjects will be coming from the scope of **Engineering Sciences and Allied Subjects**. In accordance to **Article 3, Section 19 – B – 2** of R.A. 7920 or **The New Electrical Engineering Law**, excluding Philippine Electrical Code (Part 1 and Part 2), Engineering Sciences and Allied Subjects shall include:

- i. General Chemistry
- ii. College Physics
- iii. Computer Fundamentals and Programming
- iv. Engineering Materials
- v. Engineering Mechanics
- vi. Fluid Mechanics
- vii. Strength of Materials
- viii. Thermodynamics
- ix. Electrical Engineering Law
- x. Engineering Economics
- xi. Engineering Management
- xii. Contracts and Specifications
- xiii. Code of Professional Ethics

PARTICIPANTS

All IIEE-CSC affiliated Schools all over the Philippines are encouraged to participate in the quiz show and register ***a single team solely representing the school or affiliated student chapter.***