

**COMPREHENSIVE SEMESTRAL REPORT ON FIELD PRACTICE AT
CENTER FOR RENEWABLE ENERGY AND TECHNOLOGY (CLSU-CREaTe)**

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the Requirements for the Degree

**BACHELOR OF SCIENCE IN AGRICULTURAL AND BIOSYSTEMS
ENGINEERING
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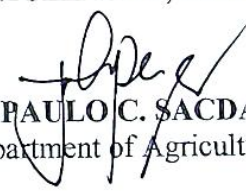
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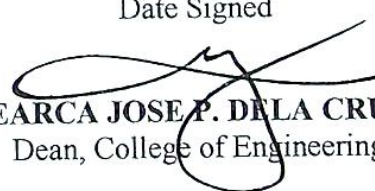

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Upon pursuing his college degree, the author is an active student leader, being a part of the Central Luzon State University- University Supreme Student Council for 2 years as the College of Engineering Councilor and 1 year as the public information officer. Alongside with it he also pursues his passion as a graphic artist.

In addition to his professional pursuits, he is also a former member of Nueva Ecija Youth Action Network (NEYAN) a nonprofit organization which focuses on volunteerism, as the Vice President for Creatives and Publicity. As a volunteer the author have been practicing the sustainable development goals and taking part on activities which helps other people in need. Going to places with lack of resources, all the author wants is to provide sustainable livelihood and impart anything that they can use. Overall, his passion, dedication, and hard work have led to a fulfilling career and a meaningful life.

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ABSTRACT

VIERNES, NEIL JARED D, Department of Agricultural and Biosystems Engineering, College of Engineering, Central Luzon State University, Science City of Muñoz, Nueva Ecija, July 2024, **COMPREHENSIVE SEMESTRAL REPORT ON FIELD PRACTICE AT CENTER FOR RENEWABLE ENERGY AND TECHNOLOGY (CLSU-CREaTe).**

Adviser: MARLON T. DELOS SANTOS M.Sc.

In the Philippines, field practice has been one of the mechanics of higher education to build the required competencies of its graduates. It acts as a guide in acquiring the necessary competencies for obtaining a specific job and converts training into beneficial work experience (Ylagan, 2013).

The goal of field practice is to give students a chance to see the real world in a practical setting while honing their academic skills. Many universities, like CLSU, are taking steps toward incorporating field experiences into their academic programs in an effort to further enhance their quality.

The field practice is composed of four activities which is (1) Design, Fabrication and Performance Evaluation of Biomass Shredder (2) Performance Evaluation of Centrifugal Pump as Hydro turbine (3) Design, Fabrication and Performance Evaluation of Hydro-vortex Turbine (4) Performance Evaluation of water wheel turbine using dc generator.

The Trainees are able to comply with the activities needed to complete the field practice and the significant data are provided on each activity.

Keywords: field practice; fabrication; performance evaluation; biomass shredder.

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