

CvSU Naic R&E In-house Review

Program Book



June 25, 2021



"Leveraging Quality Research and Extension Services for Community Development amidst Pandemic"



CVSU NAIC R&E IN-HOUSE REVIEW 2020

Research, Development and Extension Services

HISTORY OF CAVITE STATE UNIVERSITY NAIC

Cavite School of Fisheries (CSF) was created under Republic Act No. 2661, sponsored by Cong. Justiniano Montano, the congressman for the lone district of Cavite, with initial appropriation of P 200,000.00, which was approved by Congress on June 18, 1960. Its implementation in 1961 seems to have a very slim chance due to financial constraints of the National Government. It was due to the efforts of Dr. Pedro G. Guiang, Asst. Director of Public Schools, who made representation to the budget commission to revert some reserved funds of other fishery schools that an initial amount of Php 40,000.00 was made available for CSF.

Plans and budgetary proposals were prepared in July 1961. The item of one (1) principal, three (3) Fishery Technologist and one clerk were created. The amount of Php 22,000.00 was set aside for the construction of the school building and the balance for supplies, materials and equipment. Initial operation of the school began in June 4, 1962, with an enrollment of 175 first year students under Secondary Fishery Education Curriculum and with an additional appropriation of Php 100,000.00. Classes were initially conducted in the old municipal building located right in the heart of the town of Naic. After a year, the school was transferred to its present site in Bucana Malaki and Bagong Kalsada. CSF was converted to college in 1970, offering two and a half-year Technical Education Curriculum with 50 students enrolled.

Since then, there was a continuous marked increase in enrollment, number of teaching and facilitative personnel, equipment and other instructional facilities in both Secondary and Technical Fishery Education Curricula. At the start of school year 1974-1975, the three-year Fishery Education Curriculum leading to a diploma in Fishery Technology was offered. Then on June 30, 1975, Department of Education, Culture and Sports (DECS) approved the offering of the four-year Technological Curriculum leading to a Bachelor of Science in Fisheries (BSFi). In SY 1992-1993, additional short term courses were offered, namely: the two-year Food and Beverage Preparation Services and the six-month Basic Seaman Training Course. In 1997-1998, additional two courses were approved by Commission on Higher Education (CHED), namely: Associate in Hotel and Restaurant Management (AHRM) and Associate in Food Technology (AFT), both ladderized programs leading to Bachelor's degree. The Bachelor of Secondary Education (BSEd) with three major areas of specialization was approved in the same school year.

In 2001, another milestone was made in the history of college when it was officially integrated to the Cavite State University (CvSU) System through RA #8292; by virtue of Board Resolution #2 dated February 6, 2001. The integration of the



college, making it as CvSU Naic, marked a new beginning. In the same year, Bachelor of Science in Business Management was offered in CvSU Naic. After a year, the Campus also offered Bachelor of Elementary Education (BEEd). In 2005-2006, additional two programs were offered: Bachelor of Science in Information Technology (BSIT) and Bachelor of Computer Science (BSCS). Moreover, the integration also broadened the institution's mandated functions by including research, extension and production to the lone instruction function the campus has been used to.

In 2016, the Campus started focusing on aggressive infrastructure development. The construction of AquaBEST (Aquaculture, Biology Environment, Science and Technology) Building, the two-storey library, and STAR (Science, Technology and Applied Research) Building began. Major repairs of the existing buildings were also done in the following years. The Campus also targets to have its own covered court, dormitory, interfaith chapel, additional academic buildings, laboratory and so on.

It is notable that the current University President, Dr. Hernando D. Robles, was the former Campus Administrator of CvSU Naic. He took his oath as the third CvSU President on October 6, 2016.

PROGRAM RATIONALE

Research and Development (R&D) has been proved to be a crucial factor in moving the world's technological frontiers, while at the same time facilitating new technological and scientific innovations. Investing in research by higher education institutions (HEIs), as well as applications of advanced technology in the various sections of the economy, has been proved to play a significant role in the economic growth and prosperity of the country. R&D comprises creative work undertaken on a systematic basis to increase the stock of knowledge in various fields of science and technology and advance education and learning. In the last few decades, knowledge in natural sciences, social and economic fields, flows continuously and showed to be one of the major factors on the national economic growth. Thus far, HEIs are an increasingly important component of scientific innovation and technological advances in many sectors of the economy and production.

The Cavite State University Naic (CvSU Naic), as part of the larger CvSU system, has envisioned becoming one of the premier national research institutions by the year 2020. This vision has been supported by five thematic areas of research which include Agri-fisheries Food Security, Biodiversity and Environment Conservation, Smart Engineering, ICT and Industrial



Competitiveness, Societal Development and Equity, and Public Health and Wellness. The vision, moreover, was reinforced by mobilizing quality research of faculties and staff across the University. Consequently, the Research Development and Extension Services (RDES) will continue to underpin the quality research brought by CvSU Naic faculty researchers.

Even amidst the COVID-19, the CvSU Naic has been steadfast in delivering quality research and extension services to its stakeholders and beneficiaries. On this continuing endeavor, proposals and completed research from the University researchers must be disseminated. Herewith, the conduct of Research and Extension (R&E) In-house review with the theme, "Underpinning quality research amidst COVID-19 pandemic," is significant. The R&E In-house review will not only end on information dissemination but will like to identify overarching strategic objectives, all directed to bolstering the intellectual ties that bind researchers to one another even amidst the COVID-19 pandemic.

PROGRAM OBJECTIVES

The Research and Extension (R&E) In-house Review is proposed to:

1. Encourage the faculty researcher of CvSU Naic to conduct R&E projects relevant and aligned with the University's research agenda, thrusts and priorities.
2. Promote academic camaraderie among five academic departments of the Campus: and
3. Evaluate the completed and proposed R&E projects thereby promoting academic excellence and scientific integrity.



Schedule at a Glance

June 25, 2021

8:00-8:15	Technical Set-up
8:15-8:45	<p>Opening Ceremonies</p> <ul style="list-style-type: none">• The Philippine National Anthem• Doxology <p>Opening Remarks Armina B. Pugay Director, RDES</p> <p>In-house Review Rationale and Introduction of Panel Members Jomel Limbago Research Unit Head</p>
First Session: R&E Proposals	
8:45-9:00	<p>P-001</p> <p>Digitally mediated Apology Strategy Instruction: Its Effect on Pragmatic Competence of Senior High School ESL Students</p> <p>Ma. Leonora D. Guerrero</p>
9:00-9:15	<p>P-002</p> <p>Marketability of Smoked Soft-Boned Bangus and French Style Bangus in Cavite</p> <p>Rhonalyn C. Papa and Faculty of Management Department</p>
9:15-9:30	<p>P-003</p> <p>Development of Inventory System for Science Lab</p> <p>Lomalinda J. Clores and Angelito L. Vatajan Jr.</p>



9:30-9:45	<p>P-004</p> <p>Neurotoxicity Biomarker Assessment: Acetylcholinesterase Activity of Nile Tilapia <i>Oreochromis niloticus</i> from Maragondon River Continuum, Cavite, Philippines</p> <p>Jomel S. Limbago</p>
9:45-10:00	<p>P-005</p> <p>Stress and Coping Activities of Cavite State University Naic Students during Flexible Learning</p> <p>Maria Pilar N. Correo, Jelita F. Ridao and Purelyn A. Umpay</p>
10:00-10:15	<p>P-006</p> <p>Burnout Factors and Dimensions Level of Cavite State University Faculty Members: A Basis for a Debriefing Strategy Framework</p> <p>Jie Anne M. Espinosa</p>
Session 2: R&E Completed Papers	
10:00-10:15	<p>C-001</p> <p>Context-Based Instructional Activities in Grade 7 Biology using Inquiry-Based Learning</p> <p>Sarah M. Pascua</p>
10:15-10:30	<p>C-002</p> <p>Influence of Work Environment Safety and Coping Activities in Dealing with Job Stresses During COVID-19: The Cavite State University Naic Construct</p> <p>Maria Pilar N. Correo and Flordeluna B. Merlan</p>



10:30-10:45	<p>C-003</p> <p>Grammatical Proficiency and Learning English Language Perceptions and Attitudes of Education Students: An Assessment</p> <p>Diosalyn T. Galang, Daniel G. Mojica</p>
10:45-11:00	<p>C-004</p> <p>Pilot Testing an LGU-Based Common Service Mussel Depuration facility</p> <p>Armina B. Pugay</p>
11:00-11:15	<p>C-005</p> <p>Organoleptic Shelf-life evaluation of Smoked Soft-Bone Bangus and French Style Bangus Produced by Cavite State University Naic</p> <p>Marwin Dela Cruz, Mariel Benigno and Sherrlyn Rasdas</p>
LUNCH	
Session 3: R&E On-going Research Projects	
1:00-1:15	<p>O-001</p> <p>The Pedagogical Knowledge and Skill in teaching (PKST) of the Newly Hired Non-Education Graduate Teachers and Pre-Service Teachers in Naic Cavite</p> <p>Ernesto A. Gutierrez, Jr., Ana Rhodora J. Gutierrez</p>
1:15-1:30	<p>O-002</p> <p>Affordances and Drawbacks of Parent-delivered Phonological Awareness Instruction for Early Grade Students</p> <p>Ma. Leonora D. Guerrero</p>



1:30-1:45	<p>O-003</p> <p>Flexible Learning Amidst COVID-19 Pandemic as Perceived by Teachers and Students</p> <p>Lomalinda J. Clores</p>
1:45-2:00	<p>O-004</p> <p>Assessment of Environmental Literacy Among Undergraduate Students of CvSU Naic</p> <p>Leah C. Navarro and Catherine S. Diones</p>
2:00-2:15	<p>O-005</p> <p>Tawid Karunungan sa Pamayanan: Tutorial Service Program</p> <p>Teacher Education Department</p>
2:15-2:30	<p>O-006</p> <p>Effect of Depuration in the Microplastic Contamination in Green Mussels (<i>Perna viridis</i>) Cultured in Bacoor Bay</p> <p>Quennue M. Bilugan, Jomel S. Limbago, Mariel C. Benigno</p>
2:30-2:45	<p>O-007</p> <p>Study Practices and Learning Traits of the Education Students At Cavite State University Naic During Flexible Learning</p> <p>Maria Pilar N. Correo and Jelita F. Ridao</p>
2:45-3:00	<p>O-008</p> <p>Social Vulnerability Assessment of Coastal Barangays in Naic Cavite</p> <p>Leah C. Navarro, Catherine S. Diones and Adiliza G. Nazareno</p>



3:00-3:15	<p>O-009</p> <p>Evaluation of the Flexible Learning Implementation of CvSU Naic Integrating Data Mining Application Towards the Development of a Fortified ICT-based Strategic Plan</p> <p>Information Technology Department</p>
3:15-3:30	<p>O-010</p> <p>Salin Impormasyon at Kalaaman sa Teknolohiya ng Kompyuter (SiKTeK)</p> <p>Sherrlyn M. Rasdas and Information Technology Department</p>
3:30-3:45	<p>O-011</p> <p>Software Testing Approach and Methodologies Based on Classification, Type, Approach, Level and Technique</p> <p>Ricky Jay A. Riel</p>
3:45-4:00	<p>O-012</p> <p>CavSchema: Development of an Undergraduate Thesis Software Development Lifecycle for BSIT and BSCS Students of CVSU Naic</p> <p>Ricky Jay A. Riel</p>
4:00-4:15	<p>Awarding of Certificates</p>
4:15-4:30	<p>Closing Remarks</p> <p>Sherrlyn Rasdas Extension Unit Head</p>

Prof. Sarah Pascua

Moderator