



Mojica, awarded Outstanding Agricultural and Biosystems Engineer

Dr. Ruel M. Mojica, professor at the Department of Agricultural and Food Engineering (DAFE) of the College of Engineering and Information Technology (CEIT), was awarded Outstanding Agricultural and Biosystems Engineer (ABE) from Higher Education Institutions during the 17th International Agricultural and Biosystems Engineering Conference and 70th Philippine Society of Agricultural and Biosystems Engineers (PSABE) Annual National Convention held via Zoom and FB Live last April 28.

Dr. Mojica, a PSABE member, was selected for his professional competence, integrity, achievements, community service and public relations, among others. Aside from being an excellent academician, he is also a certified ASEAN engineer who received various scholarships and fellowship grants in the country and abroad, received a number of awards for his research and extension works, published research papers in various journals, affiliated to local, national and international organizations, and held administrative positions in the University the latest of which was the Vice President for Research and Extension from 2017-2020. It was also in 2020 when Dr.

(continue on page 2)



Dr. Ruel Mojica during the PSABE awarding ceremony (photo screen-grabbed from the virtual awarding ceremony)

CvSU-Imus faculty researchers win top awards in 1st EACCIMRC 2021

Faculty researchers from Cavite State University - Imus Campus (CvSU-Imus) were among the top awardees during the 1st Emilio Aguinaldo College Cavite International Multidisciplinary Research Conference (EACCIMRC) conducted last March 26-27 through virtual platforms. Themed, 'Sustaining Excellence in Academic Research in the Context of the New Normal', the conference anchored on its objective to foster collaboration and cooperation among researchers and educators. The event was

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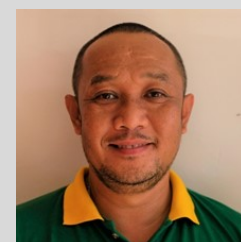
Getting to KNOW...

MR. EDWIN G. CUENO

Mr. Edwin G. Cueno or *Kuya Edwin* was born on January 09, 1973 in Indang, Cavite. He is a graduate of Electrical Engineering Technology from the Technological University of the Philippines in 1993 and worked as a production operator at a private industry before he was employed as a farm worker in the University in 2009.

Mr. Cueno is presently designated as Administrative Aide I at the Extension Services where he maintains Module Areas A, B, C, D at Technology Demonstration Farm devoted to mixed orchards where fruit-bearing trees such as coconut, lanzones, rambutan and jackfruit are planted. He manages three to five different kinds of fruit trees in each module showing multiple cropping technologies. More than his usual tasks as a farm worker, his exceptional skills in repairing and installing electrical systems are a great help to the farm's maintenance and operations.

He is married to his lovely wife, Maricel M. Cueno and has only son named Edcel. Presently, his family resides at Buna Lejos II, Indang, Cavite. (Paula Gie C. Ducusin)



Mr. Edwin Cueno

VISION

The premier university in historic Cavite recognized for excellence in the development of globally competitive and morally upright individuals.

MISSION

Cavite State University shall provide excellent, equitable, and relevant educational opportunities in the arts, sciences and technology through quality instruction and responsive research and development activities.

It shall produce professional, skilled and morally upright individuals for global competitiveness.

QUALITY POLICY

We Commit to the highest standards of education, Value our stakeholders, Strive for continual improvement of our products and services, and Uphold the University's tenets of Truth, Excellence and Service to produce globally competitive and morally upright individuals.

CvSU Bee Program assists new beekeepers

The Cavite State University (CvSU) Bee Program and CAS Bee headed by its program leader, Prof. Michele T. Bono, and project staff, Prof. Dickson N. Dimero, assisted new beekeepers who were attendees of the 1st BEEyond the Hive Webinar Series as they start their beekeeping journey.

Ms. Enriqueta C. Caguioa and her son, Mr. Enrique Ray Caguioa, of Buna Cerca, Indang, Cavite, started their backyard apiary with two colonies of *Apis mellifera* (honey bees) on September 6, 2020. Their main purpose was to produce honey during honey flow season. Ms. Noranda F. Panganiban of Calumpang Cerca, Indang, Cavite, acquired a colony of *Apis mellifera* on September 27, 2020 for honey production. Meanwhile, Mr. Carlo Salazar with his wife, Ethel Joy, DSAC Science High School, now CvSU Laboratory Science High School alumna of Kaytapos, Indang, Cavite, also started their backyard apiary with two colonies of *Apis mellifera* last February 12 and a meliponary with five colonies of *Tetragonula biroi* (stingless bees) last February 22. The couple's main goal was to rear bees for pollination of their backyard crops and for future additional income and to increase honey bee and stingless bee

colonies for honey production. They also engaged their three children in managing their bee colonies.

Presently, Prof. Bono and Prof. Dimero, together with Mr. Alberto Marcia of Albees Apiaries, are guiding the new beekeepers in managing their bee colonies. A total of five colonies of *Apis mellifera* and five colonies of *Tetragonula biroi* colonies were added to the environment for pollination and environmental conservation that could possibly improve the socio-economic status of the new beekeepers. (Dickson N. Dimero)



Salazar family beekeeping bonding with Prof. Bono of CvSU Bee Program and Mr. Marcia of Albees Apiaries



Ms. Enriqueta Caguioa of Buna Cerca with her husband, learning the management process in *A. mellifera* beekeeping



Mr. Carlo and Ms. Ethel Joy Salazar of Kaytapos, manually checking the frames of their *A. mellifera* colonies (left) and Ms. Noranda Panganiban of Calumpang Cerca showing her *A. mellifera* colony to Prof. Bono (right)

CvSU GenTri Campus releases *The Generals Harbinger's* maiden issue

Cavite State University General Trias City Campus released the first issue of its Research and Extension (R&E) newsletter named, *The Generals Harbinger* last March 31.

Aimed at disseminating latest R&E issues and activities of the campus, the newsletter consists of four sections covering write-ups on the achievements of the different units/offices, quarterly reports on completed and ongoing researches (Research Corner), extension projects and activities carried out (Extension Corner), and updates on gender and development initiatives (GAD Corner). Accomplishments of the campus for the first quarter of 2021 were featured in the maiden issue.

The release of the newsletter was headed by Dr. Louziela P. Masana, head of CvSU GenTri Research and Extension Services, together with Mr. Daniel C. Abuton, Knowledge Management coordinator. (Daniel C. Abuton)



Maiden issue of *The Generals Harbinger* newsletter

Mojica, awarded ... (from page 1)

Mojica was one of the four awardees of the Manila Water Foundation (MWF) Prize for Engineering Excellence for his Bravura Coffee Roasting Machine invention.

PSABE is a non-profit professional organization of licensed agricultural engineers founded in 1950 to advance the theory and practice of agricultural engineering. Its mission is to promote the practice and enhancement of the agricultural

engineering profession towards accelerating the development and modernization of the agriculture and fishery sector. For this reason, agricultural engineers are mandated to conduct studies, evaluation, operation, and management on agricultural machinery and facilities, soil and water conservation, energy management for rural electrification, environmental engineering and management, and other related tasks to the field of agricultural engineering. (Melinda B. Eugenio)

Tayag presents paper, wins award

Dr. Joana Marie M. Tayag, faculty of the Home Economics, Vocational and Technical Education Department (HEVTED) of the College of Education, presented her study titled, “Sustainable Criteria and Indicators to Measure the Performance of Ecotourism Destination in CALABARZON Region: Basis for a Proposed Systematized Assessment Tool” during the 2nd Instabright International Research Conference and Presentation held last March 5-7 at View Park Hotel, Tagaytay City, Cavite.

The conference conducted by the Instabright International Guild of Researchers and Educators, Inc. with the theme “Research and Innovations: Tools in Achieving Sustainable Development Goals” aimed at developing strong research capabilities among education sectors to help achieve sustainable development goals. With Dr. Diosdado M. San Antonio, DepEd Central Office Undersecretary as the resource speaker, the conference was attended by an overwhelming number of participants from different public and private schools, colleges and universities in the Philippines and abroad. This event provided an opportunity to share humble works of education professionals and spur determination among them to embrace and pursue more research and publications in the future.

Blessed enough, Dr. Tayag received a Certificate of Recognition for being chosen as Best Oral Presenter during the



Dr. Joana Marie Tayag during her paper presentation

event. This was indeed another achievement to be proud of as it is the College’s utmost desire to promote research and cultivate its significance.

Dr. Tayag’s paper was also published in the Instabright Book of Abstracts. (Pia Rhoda P. Lucero)

CvSU-Imus faculty researchers... (from page 1)

co-hosted by University of Malta, Nagasaki Wesleyan University and Fukuoka Jo Gakuin University of Japan, College of Asian Scholars of Thailand, and University of Baguio School of Dentistry in the Philippines. Researchers presented their papers competing against other higher education institutions for the professional level.

Paper presentations were divided into clusters of related areas: Cluster 1 on education and education technology; Cluster 2 on psychology and other social sciences; Cluster 3 on business, management and public administration; and Cluster 4 on engineering, aeronautical management, air navigation and allied medical sciences.

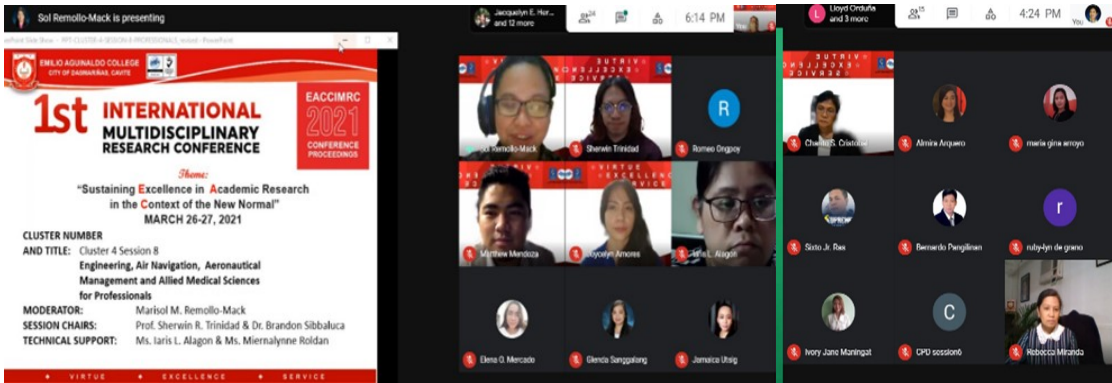
For paper presentations, Dr. Wyllyn S. Salva won as Best Presenter for her paper titled, “Leadership Styles in San Miguel Corporation as Perceived by Board Members, Management Personnel and Staff: Basis for Policy Formulation.” Meanwhile, Mr. Sixto N. Ras, Jr. was 2nd Best Presenter for his paper titled, “The Level of Satisfaction and Post Behavior of Consumers of Second-Hand Cellphone Products in Selected Cities in Cavite” which also won 2nd Best Abstract and 3rd Best Paper with Mr. Julius Caesar B. Castillo as co-author. Ms. Ruby-lyn T. De Grano won as 3rd Best Presenter with her paper titled, “Determinants of Organizational Culture: A Case of a Tertiary Education Institution ” and was chosen as 1st Best Paper for Cluster 3 category.

For best paper category, the 2nd Best Paper was awarded to the paper titled, “Rate of Return on Investments of Online Sellers in Cavite during the

Pre-COVID 19 Pandemic” authored by Mr. Bernard C. Pangilinan, Dr. Alfe M. Solina, Ms. Gina V. Arroyo, and Ms. Jorjina M. Bredes as co-authors for Cluster 3 . Meanwhile, the paper presented by Dr. Alfe M. Solina and co-authored by Engr. Leila M. Tabon titled, “Assessment of Thermoplastic Pavement Markings along Major Thoroughfares in Metro Manila: Basis for an Effective Implementation Plan,” won as 2nd Best Paper for Cluster 4.

Aside from CvSU Imus, other participating Higher Education Institutions (HEIs) were the Philippine State College of Aeronautics, Marinduque State College, Bicol State College of Applied Sciences and Technology, St. Mary’s College of Meycauayan, Bicol University in Legaspi City, PUP Open University Manila, University of San Agustin and West Visayas State University in Iloilo City, Pangasinan State University, Pamantasan ng Lungsod ng Maynila, University of Baguio, University of Antique in Sibalom, Far Eastern University, EAC Cavite, and College of Asian Scholars Thailand.

More than 1,000 participants and observers from different colleges and universities attended the conference. (Dr. Alfe M. Solina)



Some of the participants of the conference

More *Indang*ños venture into beekeeping

Trainees on *CvSU BEEyond the Hive* who are from Indang, Cavite have been added to the list of beekeeping adoptors of the CvSU Bee Program. These include Mr. Michael Julius G. Hayag and Ms. Heidi Baby L. Gines of Brgy. Poblacion 4 who started their stingless bee farm last March 1. They acquired ten stingless bee colonies for pollination of important crops and vegetables in their farm at Banaba Cerca and two colonies of *Apis mellifera* (honey bees) for honey production.

Dr. Fe N. Dimero, a retired faculty member of Cavite State University, College of Agriculture, Food, Environment and Natural Resources, Institute of Food Science and Technology, started beekeeping with 20 colonies of stingless bees last March 18, and two colonies of *Apis mellifera* (honey bees) last March 25 at her farm in Tambo Ilaya, Indang, Cavite. Her main goal is to increase the number of bee colonies for the next honey flow season. She is also observing the stingless bees for hoyá pollination, since she is now earning from her hoyá garden. Dr. Dimero plans to have a food processing laboratory at her farm for *kaong* since some of her patented technologies were on *kaong* and honey processing. She also plans to link with CvSU Bee Program and with the Institute of Food Science and Technology for research and extension collaboration.

Through the “Community Adoption and Strengthening of the CvSU Bee Program” (CAS Bee), Prof. Michele T. Bono (CvSU Bee Program Leader) and Prof. Dickson N. Dimero (CvSU Bee Program staff) with Mr. Alberto Marcia of Albees Apiaries and Mr. Lee Gaitana of Pia’s Bee Farm continue to guide the new beekeepers in managing their bee colonies. (*Dickson N. Dimero*)



Prof. Dimero and Bono of the CvSU Bee Program assisting Ms. Gines and Mr. Hayag in checking their stingless bee colonies (top) and Mr. Celso and Dr. Fe Dimero with their A. mellifera (honey bee) and stingless bee colonies with Mr. Lee Gaitana of Pia’s Bee Farm

OVPRE hires admin staff

With the aim of efficiently carrying out its ever-expanding operations as the institution's arm in research and extension, the Office of the Vice President for Research and Extension (OVPRE) recently hired two administrative assistants, Ms. Gierone Lianni A. Reyes and Mr. Genrell Sy Viado.

Ms. Reyes is a graduate of Bachelor of Arts in Journalism at



Ms. Gierone Lianni A. Reyes (left) and Mr. Genrell Sy Viado (right)

Cavite State University in 2018. As an administrative assistant, she is responsible for handling the social media page of OVPRE and creating contents for the website and systems being developed by the systems developer. She is also the coordinator for the press releases of projects and activities of the different units of OVPRE for wider dissemination. Prior to her employment as Administrative Assistant II, she was employed as a Senior High School teacher at St. Dominic College of Asia and a former instructor at the Department of Languages and Mass Communication at Cavite State University-Imus Campus.

Meanwhile, Mr. Genrell Sy Viado is a graduate of Bachelor of Science in Information Technology in 2015 at Cavite State University. At OVPRE, he is responsible for developing websites and systems to streamline the services of the office, particularly the online submission platforms of publications and newsletters of the different units of OVPRE. Prior to his employment as Administrative Assistant II, he was employed as a Senior Web Developer in Singapore. Currently, he is pursuing his master’s degree in Information Technology at Cavite State University Graduate School.

Under the supervision of Dr. Melbourne R. Talactac, Vice President for Research and Extension, the new staff will assist in the innovation and promotion of the OVPRE’s projects and services. (*Rodney B. Javier*)

OVPRE units recap Q1 2021 accomplishments

The first quarter of the year 2021 has not been spared from adversities and limitations brought about by the current pandemic. Yet, the Cavite State University (CvSU) Research Center (RC), Extension Services (ES), Knowledge Management Center (KMC), and the National Coffee Research, Development and Extension Center (NCRDEC) with the unwavering support of the Office of the Vice President for Research and Extension (OVPRE), withstood to help the University in intensifying stakeholders' engagement in activities relating to research, extension services, coffee RDE, and knowledge management initiatives.

The four units of OVPRE celebrate the first quarter with these humble accomplishments magnified by perseverance, leniency, and teamwork among directors, division heads, staff, and field workers of each unit.

Research Center

The Research Center started the year by conducting its first Research Proposal Review which was held last March 16 via virtual platform. Research proposals from various colleges and campuses were peer-reviewed for possible funding under the CvSU Research Grant (CRG) and Faculty and Student Research Capability Enhancement Program (FSRCEP). The Center was also able to process the approval and endorsement of one (1) research proposal from Imus Campus, as well as the fund release for various ongoing researches under the CRG and FSRCEP. A "Call for Research Proposals" subsequently followed for another round of review in the next quarter.

The Center's effort to contribute to the University's commitment to excel in the field of research is evident in terms of the following: five (5) externally funded research projects, five (5) research proposals submitted to internal and external funding agencies that adhere to the thematic areas of the University, nine (9) research proposals submitted to external funding agencies, four (4) papers submitted for publication, one (1) research-based paper presented in regional/national/international conference, three (3) research outputs published in internationally-refereed or CHED recognized and indexed journal within the year, seven (7) papers submitted for presentation, six (6) research outputs in the last three years that are utilized by the industry or by other beneficiaries, two (2) research output completed within the year, three (3) relevant, responsive and responsible researches on the five thematic areas were conducted, two (2) inventions patented/commercialized, and seven (7) partnerships established with other agencies. Likewise, in its continuous effort to provide and maintain a suitable and conducive area for doing research, four (4) research equipment were processed for bidding.

The Center also conducted an online workshop on the revision of Manual of Operations on March 18-19. Spearheaded by Dr. Miriam D. Baltazar, the activity was participated in by the Center's personnel and Designated Faculty Researchers. Approval of membership of Dr. Baltazar in the Technical Working Group of National Seed Industry Seed Council - Department of Agriculture is also one of the highlights of the Center's accomplishment for the 1st quarter.

Furthermore, in line with the ISO Quality Management System, two new quality forms were crafted and approved for the

improvement of the Center's operations. Also, with the collective efforts of Research Center's personnel, three ISO procedures were revised and improved.

The Research Center continues to be one of the University's key drivers in promoting and strengthening the research capacity of the faculty and staff through relevant and high impact RDE projects for greater sustainability. *(Khay B. Arandia)*

Extension Services

The Extension Services (ES), led by its director, Dr. Almira G. Magcawas, together with the colleges, campuses, and other extension implementing units of the University, was able to attain and surpass its target for the first quarter of 2021. A total of 33 linkages were maintained and established, 22 percent higher than its target of 27, of which, 25 are existing while eight are new partnerships. Out of the 33 linkages, 20 are local, four regional, six national, and three international.

The University was able to conduct 28 webinars/trainings, four (14.29%) were conducted face to face before the implementation of the Enhanced Community Quarantine (ECQ) where only a small number of people were allowed to gather provided that minimum health standard protocols such as social distancing, wearing of face masks and face shield, and frequent washing of hands with soap or alcohol/sanitizer are followed. Meanwhile, 24 (85.71%) were done using various online platforms like CISCO Webex, Zoom and Facebook live streaming due mainly to the rising cases of CoViD-19 not only in NCR but also in its neighboring province, Cavite. Ten (35.71%) of the trainings/webinars conducted were gender-related while seven (25%) were Technology, Vocational and Livelihood training (TVL). Of the seven TVL trainings/seminars/webinars conducted, three were initiated by ES, three by the College of Education (CEd) and one by CAFENR, all of which were under their extension programs. TVL trainings are very important especially during this time of pandemic to provide additional income to those individuals whose jobs were affected by the quarantine. Twelve (42.86%) of the trainings/seminar/webinars conducted were under extension projects and 16 (57.14%) were non-project.

A total of 6,230 individuals participated in the training/seminars/webinars conducted, of which 1,799 (28.88%) were male while 4,431 (71.12%) were female. When it comes to participants by category, majority who attended the training/seminars/webinars were students with a total of 4,592 (73.71%), 1,121 (17.99%) were government employees, 28 (0.45%) were farmers, 33 (0.53%) were private employees, 342 (5.49 %) were other individuals and 113 (1.81%) were not categorized. The higher number of students and government employees' participants may be attributed to limited face-to-face interaction due to pandemic and the only available and safer platform is through webinars, whereas, participation of farmers and other groups was limited partly due to unavailable or limited access to an online platform.

There were 33 extension programs organized and supported, consistent with the SUC's mandated program. Out of the 33 extension programs/projects, 27 were BOR- approved or internally funded while six were externally funded. The 27 BOR-approved extension programs/projects exceeded the total target of 16 (168.75%)

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OVPRE units’ accomplishments ... *(from page 5)*

The total number of trainees weighted by the length of training was 3,168 (301.7%) of the total 1,050 target for the same period. The overall rating in terms of percentage of beneficiaries who rated the training course/s and advisory services as satisfactory or higher in terms of quality and relevance was 99.32%, much higher than the target of 98%. *(Joselito F. Ersando)*

Knowledge Management Center

The Knowledge Management Center (KMC) celebrates its first quarter of 2021 with small successes through publication and utilization of research outputs and generated technology, and ensuring protection of intellectual property rights of the University. With its director, Dr. Agnes C. Francisco, the Center was able to process the granting of four (4) publication incentives amounting to Php 92,500 for research articles published in reputable national and international journals. It also rendered six (6) plagiarism checking services and listed 55 paper citations on researches published. Further, the 2018 issue of the CvSU Research Journal, the maiden issue of the Philippine Coffee Journal together with NCRDEC, and two (2) issues of REconnections, the official monthly newsletter of OVPRE were also released.

KMC, through the Innovation and Technology Support Office (ITSO), has two (2) on-going PCAARRD funded projects, SUSTAIN IP-TBM Phase II and PATENT Mining with Php 4,302,314.43 and Php 12,518,207.88 budget, respectively. SUSTAIN IP-TBM Phase II, conducted three modules of the Technology Commercialization Mentorship Series in collaboration with Association of PAQE Professionals, Inc. (APP) which was carried out to expand one’s knowledge on technology commercialization.

CvSU also qualified in the Gold Cluster category of the Intellectual Property Office of the Philippines’ (IPOPHL) clustering scheme of Innovation and Technology Support Office (ITSO) 2.0 Program.

On trademarks, ITSO registered three (3) for the SPRINT logo, NCRDEC’s Cellula™ Growth Chamber logo, and the CvSU Multipurpose Cooperative. On Intellectual Property (IP) applications, 16 were filed consisting of one (1) trademark, one (1) industrial design, two (2) patents, two (2) utility models, and 10 copyrighted materials. Further, two (2) applications with notice of allowance and two (2) applications with notice of issuance on trademarks filed were received. KMC also assisted ITSO on IP management trainings, technology transfer protocol (TTP) and IP incentive reviews, and monitoring of illegal use of CvSU trademarks. One (1) technology licensing agreement was also reviewed by an investor.

With these small steps, KMC continues to serve its clientele towards intellectual property protection, technology transfer benefitting both the University and its stakeholders, and sharing and disseminating information through publication and various platforms. *(Aiza R. Javier)*

National Coffee Research, Development and Extension Center

The COVID-19 pandemic may temporarily disrupt the activities of the world, but this cannot stop NCRDEC to continue working for the benefit of all coffee stakeholders.

For the first quarter of 2021, the humble accomplishments of the Center were obtained through the collective efforts of its 26

equally competent personnel. NCRDEC staffs have attended several seminars/trainings/webinars sponsored by international, national, regional and local institutions/agencies as part of its staff development program.

The Center has eight (8) on-going researches of which, five (5) were funded by the CvSU Research Grant (CRG) and three (3) were funded by DA-BAR, DA-BioTech and DOST-CALABARZON. Through these researches, the Center continuously creates new knowledge and technologies, hoping to solve the gaps in coffee production and marketing. Moreover, the Center has submitted nine (9) research proposals for institutional, national and international funding.

In the knowledge management side, Cellula™ Growth Chamber logo was awarded a ten-year trademark by the Intellectual Property Office of the Philippines (IPOPHL). The maiden issue of the Philippine Coffee Journal (PCJ) in partnership with Knowledge Management Center (KMC) was published featuring five (5) scientific articles in the fields of natural and social sciences. The name “Philippine Coffee Journal” was also applied for a trade name at IPOPHL through the assistance of the KMC- Innovation and Technology Support Office (ITSO).

On its extension function, one (1) project funded by DOST-PCAARRD is currently being implemented and another project proposal has been submitted for possible funding. NCRDEC constantly provides technical assistance, training programs, and knowledge transfer activities that suit the needs of its clients.

The Center continuously works on the improvement of its existing service delivery system in accordance with the ISO quality management system of the University through the creation and approval for utilization of seven (7) quality forms for the PCJ, and the upgrading/renovation of its existing facilities through an on-going construction of the product development facility and renovation of the coffee field gene bank.

“All of these may not suffice the expectations of the Center’s stakeholders, but at least we know that we are always doing our best,” Engr. Gerry Castillo, NCRDEC director, reiterated. *(Antonette Jean L. Magcamit)*

ANNOUNCEMENT

Call for Journal Articles

CAVITE STATE UNIVERSITY
RESEARCH JOURNAL is now accepting manuscript for publication.

Please submit your paper to:
The Editor-in-Chief
CvSU Research Journal
Knowledge Management Center
Research Center Building
CvSU, Indang, Cavite

or you can send the soft copy to:
researchjournal@cvsu.edu.ph

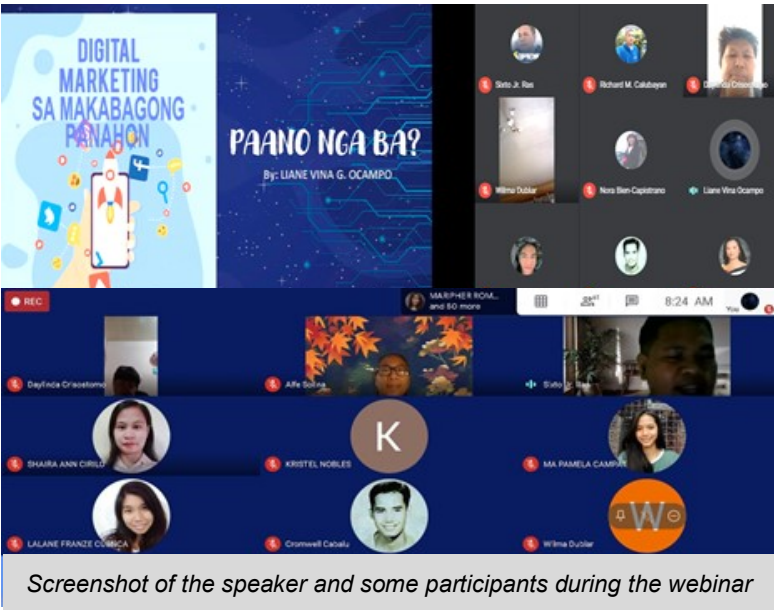
For further details, you can call:
(046) 862 1654

CvSU-Imus conducts 3rd webinar for Toclong 1st Multipurpose Coop

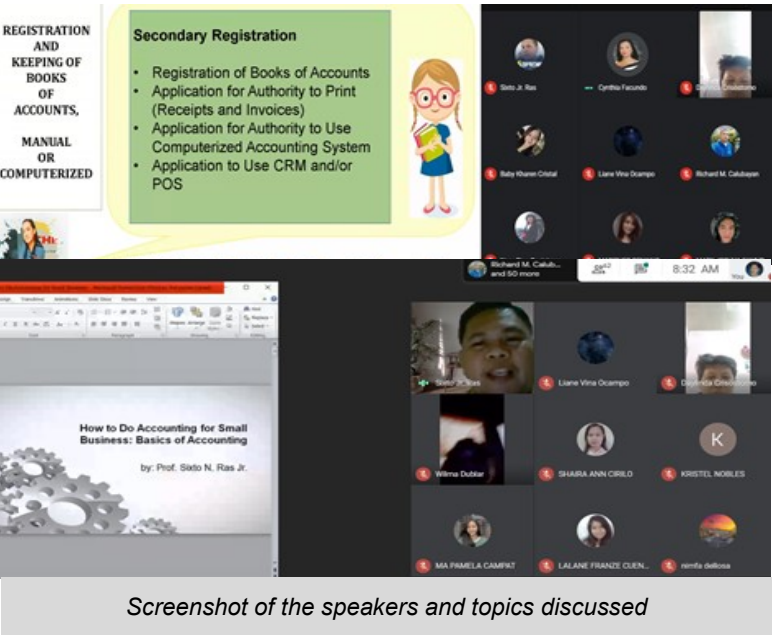
Currently on its 3rd in a series, the faculty extensionists of Cavite State University - Imus Campus (CvSU-Imus), Department of Management, conducted another webinar for the members of Toclong 1st Multipurpose Cooperative in Imus, Cavite last March 11 via Google meet.

The webinar dubbed, *Pagsasanay Para sa Pamamahala ng Negosyo*, was part of the continuing delivery of the CvSU extension program. Dr. Marlon A. Mojica, Campus Administrator, and Dr. Alfe M. Solina, Management Department chairperson, delivered the inspirational message and welcome remarks, respectively. With almost 100 participants, the activity was hosted and attended by CvSU-Imus students, as it was within the scope of their course related to cooperative management, and members of the said cooperative.

Topics discussed were as follows: Basic accounting for business by Mr. Sixto Ras, Jr. (event moderator), good



Screenshot of the speaker and some participants during the webinar



Screenshot of the speakers and topics discussed

manufacturing practices by Mr. Cromwell Cabalu, TRAIN Law on business and income by Dr. Cynthia Facundo, selling skills for higher revenues by Ms. Anita Avila, digital marketing by Dr. Liane Vina Ocampo, gender and development and women’s rights by Ms. Rosemary San Juan and Ms. Elvira Pakingan, and Coopera-talk by Dr. Allan dela Peña. All lecture topics were organized and designed based on the identified needs of the recipient-cooperative as discussed with its manager, Ms. Dulce Bautista.

Two webinars had already been successfully conducted on December 3 and 11, 2020 through the efforts of the department coordinator for extension, Ms. Nora B. Capistrano, and support from all faculty members.

The Toclong 1st Multipurpose Cooperative has a wide and diverse members’ network known to be active entrepreneurs and producers of top products in the City of Imus. (Dr. Alfe M. Solina)

Castillo receives DAP-APO training grant

Engr. Gerry M. Castillo, NCRDEC director, received a training grant from the Development Academy of the Philippines (DAP) and Asian Productivity Organization (APO) for the Training of Trainers on Developing Future-ready Agribusiness Social Enterprise held virtually last March 3-5.

The training was participated in by more than 30 potential agribusiness social enterprise trainers from APO member countries such as Malaysia, Indonesia, India, Nepal, Bangladesh, Cambodia, Fiji, Iran, Pakistan, Taiwan, Sri Lanka, Vietnam, Thailand and the Philippines. The course discussed topics on accessing finance, improving productivity, increasing post-harvest value, and expanding market linkages which are all vital in achieving future-readiness of smallholder farmers and micro and small entrepreneurs.

Guest speaker during the training was Ms. Kristine Y. Evangelista, Agribusiness and Marketing Assistant Secretary of the Department of Agriculture (DA). This was also facilitated by high-calibre speakers on social innovations like Mr. Kevin Cheeseman, the innovation consultant from Portugal; Dr. Ramesh Mittal, the Director of the National Institute of Agriculture

Marketing from India; Mr. Etienne Dustin Salborn, a UN Awardee and the Founder and Director of Social Innovation Academy from Uganda; and Mr. Ralph Becker, Founder and CEO of the Urban Greens.

APO is an intergovernmental organization that seeks to increase productivity in the Asia-Pacific region. (Antonette Jean L. Magcamit)



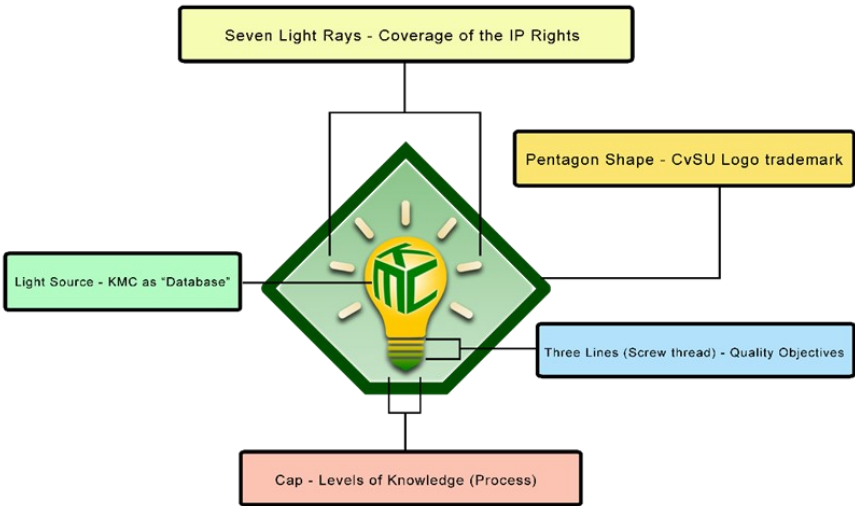
CvSU KMC proposes official logo

The Knowledge Management Center (KMC) designed and proposed its official logo as an identifiable unit under the Office of the Vice President for Research and Extension (OVPRE). Through the initiative of Dr. Agnes C. Francisco, director of KMC, the creation of the logo aimed to help KMC promote its identity and services to various stakeholders as a Unit and to add to the element of interest and relevance to promotional materials of KMC, whether print or non-print.

The logo identifies KMC in its simplest form. It is a flat logo design where it emphasizes the name and functions of KMC. It is made up of pictorial and abstract mark, which is also known as combination mark. It uses an image that evokes the subject and includes border to make it more distinct and to accentuate certain styles.

The inner part of the logo was designed through the image of a bulb as it represents the word "idea" or "knowledge". The main idea of the logo was enclosed in the pentagon shape of the Cavite State University (CvSU) Logo, a registered trademark of the University.

The seven light rays represent the seven (7) Intellectual Property Rights (IPRs) covered by the IP Code or RA 8293, namely: 1) copyrights and related rights, 2) patents, 3) trademarks and service marks, 4) geographic indications, 5) industrial designs, 6) layout designs of integrated circuits, and 7) new plant variety protection.



The light source of the bulb is the acronym for Knowledge Management Center (KMC) to create an image of a cube at the center representing KMC as the "database".

The three lines (screw thread) represent the three KMC Quality Objectives: 1) **Keep** and maintain updated information and facilitate knowledge exchange through locally and internationally recognized publications; 2) **Manage** and protect intellectual property rights of the University in accordance with statutory and regulatory requirements; and 3) **Convert** relevant information into shared knowledge essential to the development of the organization and its stakeholders.

The gradient color of the cap or the bottom part of the bulb represents the levels of knowledge (process).

Upon taking aforementioned design and descriptions, consultations were done with the heads of the Intellectual Property Management Division (IPMD) and the Publication and Communication Division (PCD) as well as with OVPRE. Presentation of the proposed logo to the Administrative Council was held last April 14 which led to its approval and endorsement to the Board of Regents for final approval. (*Joven Charles C. Marasigan & Anna May C. Lontoc*)

Protect your technology
Submit your application for patent and utility model registration at KMC - Innovation and Technology Support Office (ITSO)

HOW TO APPLY FOR PATENT AND UTILITY MODEL REGISTRATION

1 The applicant secures the Disclosure Form from the Innovations and Technology Support Office (ITSO) or downloads it from the CvSU website at <http://www.cvsu.edu.ph/kmc/itso> or <https://www.ipophil.gov.ph>

2 The applicant fills out the form and submits it to ITSO.

3 ITSO acknowledges the submission of accomplished form.

4 The ITSO technical expert conducts prior art search, patent search and preliminary assessment of novelty.

5 The ITSO technical expert, together with the inventor, drafts the preamble, background, description and claims.

6 The applicant secures the Application Form from the Innovations and Technology Support Office (ITSO) or downloads it from the IPOPHIL website.

7 The applicant submits triplicate copies of the Application Form, technical description of the invention, and drawings to the ITSO.

8 The ITSO Manager files the application over the counter or online.

9 ITSO advises the author/inventors to return on a specified date to claim Acknowledgement and accordance of filing date.

10 ITSO forward to the inventors Formality Examination Report and/or subsequent formality examination report released by IPOPHIL.

11 ITSO technical staff, together with the authors, prepares the response to formality examination report and/or subsequent formality examination report.

12 ITSO files the response to formality examination and for subsequent examination report.

13 ITSO process the payment for filed response, publication fee and issuance fee for approved application.

14 ITSO advises the author/s to return on specified date to claim the Certificate of patent/UM or any decision issued by IPOPHIL.

[f @CvSUKMC](#) [✉ kmc.cvsu@cvsu.edu.ph](mailto:kmc.cvsu@cvsu.edu.ph)

Consider this as a start of a renewed connection as NCRDEC brings the first session of 2021 Coffee B.R.E.A.K. webinar series

COFFEE B.R.E.A.K. presents

Coffee Feelers:
Connecting Coffee, Faith and Language
10:00 AM | MAY 20, 2021

Resource Speaker:
LADY AILEEN A. ORSAL
Faculty Member(CAS) / Coffee Researcher
Cavite State University

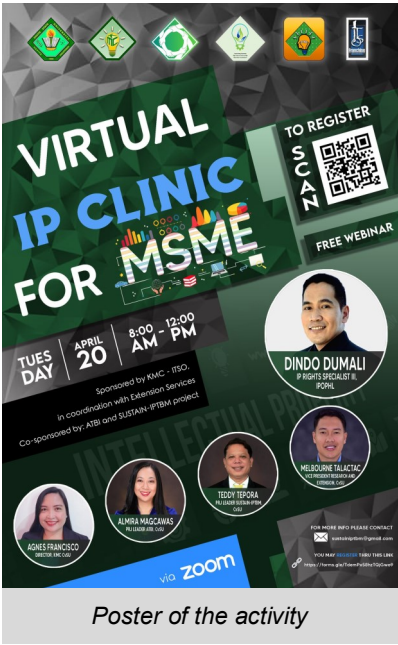
CvSU celebrates IP Month with Virtual IP Clinic for MSMEs

In celebration of the 2021 National Intellectual Property Month dubbed as “Intellectual Property and MSMEs: Our Road to Recovery”, a Virtual IP Clinic for Micro, Small and Medium Enterprises (MSMEs) was held last April 20 via Zoom. The activity was sponsored by the Knowledge Management Center (KMC) and Innovation and Technology Support Office (ITSO), in coordination with the Extension Services and the Agri-Aqua Technology Business Incubation (ATBI) project.

During the program, Dr. Melbourne C. Talactac, vice president for Research and Extension, welcomed the participants while Dr. Teddy F. Tepora, ITSO manager, gave an overview of ITSO services. Dr. Almira C. Magcawas, director of Extension Services (ES) and project leader of CvSU Agri-Aqua Technology Business Incubation (ATBI) gave an inspiring message as well as presented the services of ATBI. Dr. Agnes C. Francisco, director of Knowledge Management Center, also delivered her message and discussed the services offered by KMC.

Mr. Dindo O. Dumali, IPR specialist of Intellectual Property Office of the Philippines (IPOPHL) and Dr. Princess Lydia Fuentes of Capiz State University served as resource speakers. During the webinar, the speakers shared their expertise on the basics of Intellectual Property and emphasized how Intellectual Property can help MSMEs to obtain higher return on investments and to manage their assets efficiently.

The event was attended by faculty members, researchers, students, private entrepreneurs, patent examiner, public employees, and agriculturists. (Teddy F. Tepora)



Castillo speaks at Xavier University

Engr. Gerry M. Castillo, director of the National Coffee Research, Development and Extension Center (NCRDEC), presented the RDE breakthroughs on coffee in the Philippines when was invited as the resource speaker during the webinar titled, “Breakthroughs on Research and Extension in the Philippine Coffee Industry” held last March 24 and streamed live via Ateneo Aggies, the official Facebook page of the College of Agriculture, Xavier University in Cagayan de Oro City. The webinar was participated in by 76 registered participants from various SUCs, LGUs, government agencies and private organizations. Among the highlights of presentation include breakthrough R&E projects conducted by the NCRDEC and the gaps that needs to be addressed for the development of our coffee industry.

The project titled, “Innovating and Strengthening Agri-Food Entrepreneurship Education for Mindanao's Inclusive Development (iSAFE),” being implemented by Xavier University aims to conduct a webinar series leading to the promotion of inclusive agricultural development in Mindanao. (Antonette Jean L. Magcamit)



Screenshot of Engr. Gerry M. Castillo during his presentation (top) and with the moderator during the Q&A of the webinar session (bottom)

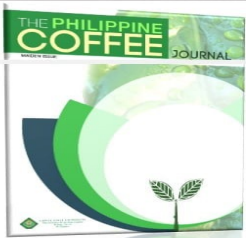


Screenshot of Mr. Dumali during his presentation (top) and attendees of the Virtual IP Clinic (bottom)

ANNOUNCEMENT

THE PHILIPPINE COFFEE JOURNAL

CALL FOR PAPERS





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ABOUT THE JOURNAL

A first of its kind, the Philippine Coffee Journal is a double-blind, peer-reviewed academic journal which focuses on the results and outcomes of research, development and extension (RDE) activities on coffee conducted by different higher education institutions (HEIs) and other government RDE institutions. It aims to revitalize the Philippine coffee industry through knowledge generation and transfer of technology to the community recognize efforts in the development and promotion of the Philippine coffee industry through information dissemination and publication.

IMPORTANT DETAILS

Who are eligible to submit?

- ✓ Researchers from different SUCs, private HEIs and government agencies
- ✓ Member Institutions of the Philippine Coffee Network
- ✓ Southeast Asian Universities
- ✓ Presentors during the National/ Southeast Asian Coffee Education Congress (NCEC/ SEACEC)

Manuscript Format and Submission

All parts of manuscript should be typed on one side of page, double-spaced on Letter (8 1/2" x 11") typewriting paper with one-inch margin on all sides and consecutively paginated on the upper right hand corner of the page. Arial with 12 point font size is preferred, using Microsoft Word and limited to 30 pages including tables, figures and references.

Manuscript together with the cover sheet should be submitted at philcoffeejournal@gmail.com.

RC conducts 2nd online research proposal review

The Research Center (RC) conducted its 2nd online research proposal review last April 27 via Cisco Webex. The program started with opening remarks from Dr. Miriam D. Baltazar, director for Research, followed by an inspirational message from Dr. Melbourne R. Talactac, Vice President for Research and Extension.

To properly manage the review through five breakout sessions, 26 research proposals were

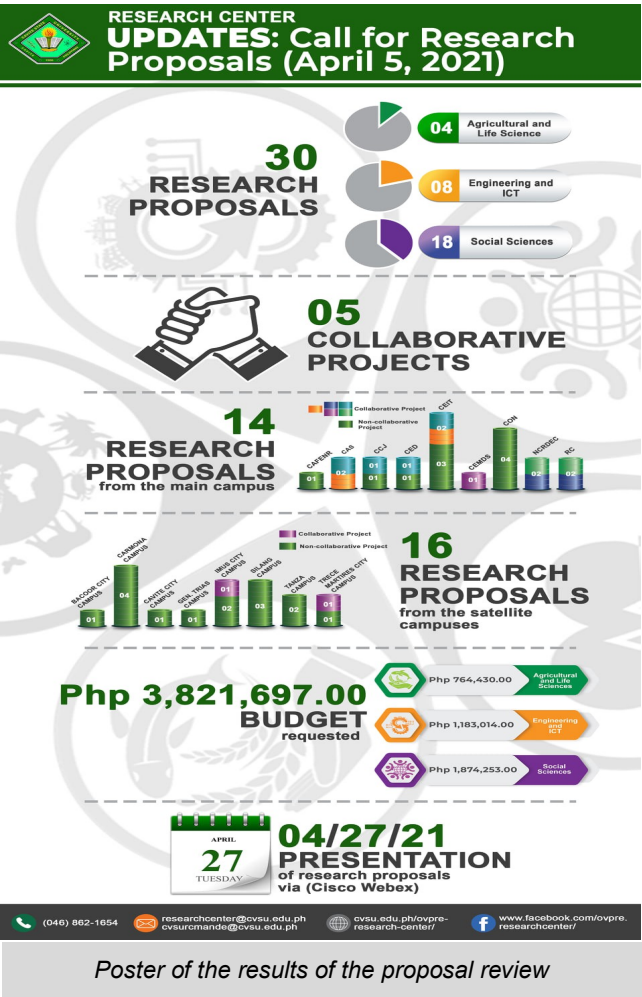
clustered as follows: ICT and Engineering (5), Agriculture (4), and Social Sciences (17) which were further subdivided into Entrepreneurship, Psychology, and Education, DRM, Sociology, Health Nursing and Anthropology.

Research proposals from the College of Engineering and Information Technology (CEIT), College of Arts and Sciences (CAS), College of Economics, Management and Development Studies (CEMDS), College of Nursing (CoN), College of Education (CEd), College of Criminal Justice (CCJ), and Imus, Silang, Carmona, General Trias, Trece Martires City, Tanza, and Cavite City campuses; Research Center (RC), and National Coffee Research, Development and Extension Center (NCRDEC) were presented during the review.

Faculty members, researchers and members of the University Research Council served as evaluators. Engr. Sheryl D. Fenol, Engr. Gee Jay C. Bartolome, Ms. Mary Ann E. Ignaco, Ms. Charlotte B. Carandang, Dr. Edwin R. Arboleda, Engr. Jhunlyn L. Lorenzo, Engr. Nemilyn A. Fadchar, and Engr. Jonathan A. Flores evaluated proposals on ICT and Engineering; while, Dr. Ruel M. Mojica, Dr. Marilyn M. Escobar, Dr. Eufemio G. Barcelon, Dr. Venus O. Saz, Ms. Alcona Mae P. Baltazar, Ms. Leah E. Endonella, Ms. Arleen C. Panaligan reviewed proposals on Agriculture. Meanwhile, proposals on Social Sciences were evaluated by Dr. Marlon A. Mojica, Ms. Mailah M. Ulep, and Dr. Gilchor P. Cubillo (Entrepreneurship); Dr. Louziela P. Masana, Dr. Florencio R. Abanes, Dr. Jake Raymund F. Fabregar, Dr. Paulito V. Hilario, Dr. Alfe M. Solina, and Dr. Famela Iza C. Matic (Psychology); Dr. Agnes C. Francisco, Dr. Rhodora S. Crizaldo, Dr. Myleen P. Legaspi, Dr. Melbourne R. Talactac, Dr. Almira G. Magcawas, Prof. Roderick M. Rupido, Dr. Florencio R. Abanes, Dr. Bettina Joyce P. Ilagan, Dr. Susan G. Tan, Prof. Noel A. Sedigo, Dr. Famela Iza C. Matic, and Dr. Gilchor P. Cubillo (Education, DRM, Sociology, Health Nursing and Anthropology).

Said proposals were reviewed for possible funding by the University through the CvSU Research Grant (CRG) and Faculty-Student Research Capability Enhancement Program (FSRCEP) funding schemes.

Dr. Baltazar thanked all the presenters, proponents, evaluators, deans/campus administrators, Research Council members and the RC staff for the success of the event. The first review was held last March 16 where five papers were presented. *(Rene R. Marasigan)*



NCRDEC implements eight on-going R&E projects

As part of the commitment of the National Coffee Research, Development and Extension Center (NCRDEC) to provide cutting-edge research and relevant extension activities to its coffee stakeholders, eight on-going RDE projects are being implemented. Through the leadership of its director, Engr. Gerry M. Castillo, the Center is continuously writing and submitting research, development and extension (RDE) proposals for external and institutional funding.

Three of these projects are externally funded which include the following: Molecular-Based Method of Determining the Authenticity of Coffee (*Coffea* spp.) Sold in the Philippine Market funded by the Department of Agriculture - Biotechnology (DA-Biotech) Program, with Dr. Miriam D. Baltazar as project leader; Technology Piloting of a Tissue Culture Growth Chamber for Mass Propagation of Coffee and Embryo-Cultured Makapuno (ECM) funded by the Department of Science and Technology (DOST) CALABARZON, with Engr. Gerry M. Castillo as project leader; and Commercialization of Specialty Coffee Food Products funded by the Department of Agriculture – Bureau of Agricultural

Research (DA BAR), with Dr. Ruel M. Mojica as project leader.

Other projects are locally funded thru the CvSU Research Grant (CRG) funding scheme such as: *(continue on page 11)*



CvSU-CCAT continues R&E webinars

The Cavite State University – CCAT Campus Research and Extension headed by Engr. Gee Jay C. Bartolome, director, together with the R&E team continued its webinar series in March 2021.

The first extension webinar titled, “Paradigm Shift: The Context of Technology Transfer in University Extension”, which aimed to educate University extensionists in designing plans on how to transfer technology to the community, was held on March 5 via Cisco WebEx and Facebook Live. The program started with a prayer led by Ms. Mary Anne Ignaco followed by the welcome address of CCAT Campus Administrator, Dr. Jose P. Lisama. Meanwhile, Dr. Melbourne R. Talactac, Vice President for Research and Extension, delivered an inspirational message stating that doing research does not just end up with a paper but it begins with bringing the technology to the community where peoples’ lives start to improve for the better.

Dr. Almira G. Magcawas, CvSU director for Extension Services and resource speaker for the webinar, discussed in detail the importance of extension activities and projects. She presented her paper on CvSU extension projects where she discussed strategies and implementation of extension programs. She also mentioned how extensionists could creatively craft designs on how to bring research technologies to the community and provided information for researchers and extensionists to work on significant and relevant subjects for them to satisfy their purpose so that their efforts would not be put to waste.

Meanwhile, the second webinar on research was held last March 26 titled, “Approaches and Methods for Qualitative Research” with Dr. Nancy A. Tandang, Associate Professor VI at the Institute of Statistics, University of the Philippines Los Baños, as the resource speaker.

Dr. Tandang emphasized the difference between qualitative and quantitative research used in various disciplines and encouraged future researchers to thoroughly analyze their



Dr. Almira Magcawas during her presentation at the webinar

desired study to determine the appropriate type of research and method to use. She also shared her experiences on using both qualitative and quantitative approaches to give the audience an idea and understanding on how to use both methods.

The webinar concluded with the closing remarks from the Director of Instruction, Prof. Marilou P. Luseco. She invited everyone to the next Extension Webinar 2 titled, “Strategies to Sustainable University Extension Programs” on April 22 and Research Webinar 3 titled, “Reproducible and Transparent Research” on April 23.

The participation and engagement of more than 1000 participants only proves the positive impact of these episodes of the webinar series. The webinars served as a venue to gather more feedback from scholars and build stronger relationships, links and networks in the world of research and extension. Ms. Mari Daisy O. Corral and Ms. Toni Granado served as the moderators during the activity.

For further information on upcoming webinars and to be able to watch the previous webinar episodes, CvSU- CCAT R&E invited everyone to visit their Facebook Page <https://www.facebook.com/CCATResearchandExtension>. (Mary Ann Ignaco/Jan Patrick Daganasol)



Dr. Nancy Tandang during her presentation

NCRDEC implements ... (from page 5)

Soil Physico-Chemical Assessment and Distribution Mapping of Coffee Farm Areas in Cavite and NCRDEC Information System with Engr. Al Eugene L. Torres as project leader; Design and Development of Automated Laboratory-Scale Green Coffee Beans Grader and Storage Equipment, Optimization Models for Coffee-Based Production System, and Development of Ergonomically Designed Laboratory-Scale Coffee Huller and Dryer with Engr. Castillo as project leader. These projects have a total budget of more than PhP 10 million.

Further, the Center has still several RDE proposals submitted to CvSU, national and international funding agencies that await evaluation and approval. (Antonette Jean L. Magcamit)

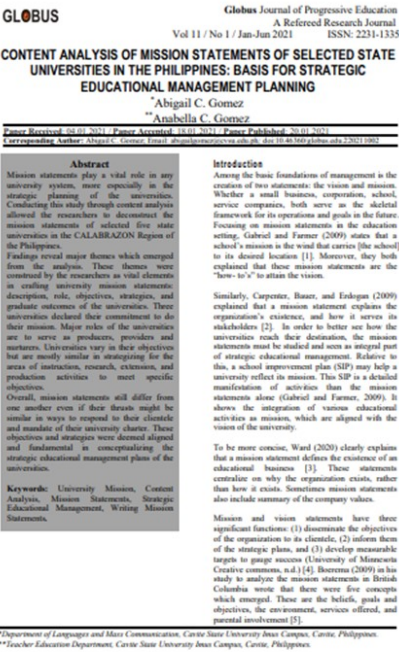


One of NCRDEC’s CRG-funded project

CvSU- Imus faculty members publish papers in international journals

With the aim of intensifying and strengthening research and development, and ensuring that they are on track to produce relevant researches aligned to CvSU's Research Agenda, faculty members from the Cavite State University - Imus Campus (CvSU -Imus) published two articles in international journals.

The study titled, “Content Analysis of Mission Statements of Selected State Universities in the Philippines: Basis for Strategic Educational Management Planning” by Ms. Abigail C. Gomez and Ms. Anabella C. Gomez, can now be accessed at the Globus Journal of Progressive Education Volume 11 No. 1 s. 2021. This peer- reviewed international journal, published in India, was established on a firm foundation of International Quality Research which publishes original articles, critical reviews, research notes,

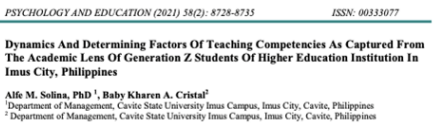


Publication of Ms. Abigail Gomez

researches concentrating on strategic educational management, attitudes in coping with educational modalities, teaching competencies, and academic performance.

Meanwhile, the study titled, “Dynamics and Determining Factors of Teaching Competencies as Captured from the Academic Lens of Generation Z Students of Higher Education Institution in Imus City, Philippines” by Dr. Alfe M. Solina and Baby Kharen A. Cristal can now be accessed at Psychology and Education Journal Volume 58 No. 2 s. 2021, an international journal devoted to basic research, theory, and techniques, and arts of practice in the general field of psychology and education. Results of this research were also presented as a poster during the 2020 CvSU In- House Review and at the Asian Virtual Conference on Multidisciplinary Research on July 24- 25, 2020 at Emilio Aguinaldo College. Solina and Cristal were even awarded for having the Best Research Paper and Best Research Abstract under the Education Category.

It is vital that research presentations and publications are cascaded to the grassroots level and as such, CvSU-Imus begins its journey as a research campus. (Abigail C. Gomez)



Abstract
In today's landscape, the demands of the teaching profession are becoming competitive and complex. Students as the first hand clients of the teaching force of an academic institution have upgraded their level of expectation as to the manner by which teachers should deliver the learning process on a day to day basis. This study, in its extent and content, has covered the areas of assessment which were subjected under the lens of Gen Z students who by this time have members as old as 23 years of age served as the respondents of the study. A total of 49 academic personnel were evaluated their relevant background such as: (a) the individual professional board examination among their field of expertise; (b) the professional certification and accreditation; (c) civil service eligibility awarded by the country's Civil Service Commission; (d) national competency certificate; (e) their highest educational attainment; and (f) the length of teaching experience. All these were subjected for statistical tests and treatment as each of the four major variables are put under the academic lens of students for evaluation such as the: management of learning; teaching for independent learning; knowledge of the subject matter; the manner by which they manage the entire teaching process; and teachers' commitment to the teaching profession. Results were captured from the 1,435 Gen Z students across different programs for the period of two years consisting of four consecutive semesters. Using Pearson correlation test, data revealed that there is a significant relationship between the qualification of the academic personnel to the level of perception of the Gen Z students in terms of the knowledge of subject matter and teaching for independent learning are concerned. On the other hand, based on the paired sample t-test applied in one of the objectives, results showed that there is a significant difference between the perception of the Gen Z students to all of the indicators except in the areas of the knowledge of subject matter to teaching for independent learning.

Keywords: determining factors, teaching competencies and effectiveness, Gen Z, academic personnel
Article Received: 18 October 2020, **Revised:** 3 November 2020, **Accepted:** 24 December 2020

Introduction
Equally significant in higher education is the standard of teaching and the pedagogical growth of instructional staff. Periodic review of the academic staffs educational performance tends to be a method for assessing and obtaining input from the academic's respected stakeholders, the learners. Although the importance of focusing on improving teaching is understood by many academic institutions, the underlying value principle is that students are increasingly global and therefore each category must be adapted to generation after generation, to aspects like modalities and teaching methods. In the real world, like all values, it offers both opportunities and obstacles. Of the opportunities, with the number of applicants each year, of growing demographic and non-demographic diversity, of technological advances with an impact on teaching/learning methods and pedagogical approaches, rising costs therefore is being compared to real incomes and higher expectations. Generally speaking, higher education faculty employment is subject to various factors. In some countries, the process is a natural one that puts students at the top of the class, in others it is subject to certain requirements set by the government body responsible for higher education, and in some

www.psychologyandeducation.net
8728

Publication of Dr. Alfe Solina



The CvSU Research Journal (top) and Knowledge Management Center (bottom) FB pages

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