

INNOVATION INFOCUS

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THE FIRST ISSUE

PSAU peaks at 6th IPMC

Julia Katrina P. Bonotan

The University ranked 2nd in Department of Science Technology-Philippine Council for Agricultural Aquatic and Natural Resources Research and Development's 6th Intellectual Property Master Class (IPMC) mock exam held on January 26, in Cauayan City, Isabela.

During the fifth module of the 6th IPMC, PSAU's IP-TBM manager, Ms. Divine Reine S. Aquino achieved the 2nd highest score on the Mechanical Patenting Category of the mock exam. Representing the entirety of Region 3, she was commended at the graduation ceremony and given special award by the DOST-PCAARRD and the Association of PAQE Professionals, Inc. (APP).

Aquino and Ms. Anne Gellie T. Dimabuyu were among the 150 participants from 39 Regional Agri-Aqua Innovation System Enhancement (RAISE) Program member institutions all over the country who graduated during the ceremony.

The masterclass had five modules discussing the whole patent application process and was conducted for a total of 15 days from November 2023 to January 2024. The five modules particularly discussed prior-art searching, actual chemical and mechanical claim drafting application filing, responding to formality-



examination reports (FERs) and substantive examination reports (SERs), and the others. The training-workshop aimed to establish and enhance the capability of SUCs and RDI officers from all over the country in accomplishing their IP management and technology commercialization functions, as well as developing their respective operations.

The capacity-building activity allowed member institutions to effectively adopt, reflect, and carry out the functions and objectives of DOST-PCAARRD Innovation and Technology Center (DPITC) as part of the initiatives of the RAISE Program.



Editor's note:

The Office of Innovation is proud to present "Innovation In Focus," the rebranded version of IP-TBM In Focus. Now under the Office of the Vice President for Research, Innovation, Extension, and Training, we remain dedicated to our mission and are excited to offer even more. Our quarterly publication will keep you updated on our achievements and progress. Stay tuned for more!



PSAU hosts Regional Technology IP Audit Workshop

Ma. Franceska G. Yumang

The University spearheaded the Regional Technology and Intellectual Property (IP) Audit Workshop, enabled through the Regional Agri-Aqua Innovation System Enhancement (RAISE) Program of the DOST-PCAARRD, on January 19, at the University Food Center Conference Room.

Joined by 11 Consortium Member Institutions (CMIs), the collaboration included the Technology Transfer and Promotion Division (TTPD) of the DOST-PCAARRD, Central Luzon State University (CLSU) as the Program Lead for the RAISE Program in Central Luzon, and PSAU as the Project Lead for the Regional IPTBM in the region. The event centered on discussing the proper technology and IP audit process and developing the IP inventory of each CMI and that of the Region.

With said event having 50 participants consisting of project leaders, project staff members from various SUCs and RDIs, PSAU President Dr. Anita G. David, and VP for Research, Innovation, Extension, and Training (RIET) Dr. Geraldine C. Sanchez delivered their welcoming remarks. This was followed by opening messages from Dr. Pablo J. Rafael Jr., RAISE Program Leader in Central Luzon, and Dir. Noel A. Catibog, TTPD-PCAARRD Director.

Part of the challenge posed by Dir. Catibog was the re-echo of the significance and impact of the RAISE program in the region, as 26% of the RAISE Batch 2 budget belongs to Central Luzon.

Hence, the TTPD-PCAARRD Director encouraged the Region 3 implementers to host an activity in collaboration with the Intellectual Property Office of the Philippines Documentation, Information and Technology Transfer Bureau (IPOPHL DITTB) and the IP Academy.

PSAU Office of Innovation Director and Regional IPTBM Project Leader, Dir. Walter Pacunana, presented the event's rationale to emphasize the importance of participating CMIs to prioritize the workshop for proper IP assets identification and successful technology commercialization. Following this, attendees were introduced by Divine Reine S. Aquino, PSAU IP-TBM Manager.

Atty. Jerry C. Serapion, PhilRice IPTBM Project Leader, led the training session with a focus on the proper technology and IP audit process. The speaker shared PhilRice's commonly utilized practices, including identifying key personnel for IP audits, allocating sufficient resources, and devising achievable strategies to foster an effective IP culture.

Aligned with this, the workshop sought to aid the enhancement of the commercial value of technologies and stress the focus on mentoring participants to implement an IP audit, systematically assessing every IP asset owned by businesses or research institutions. Moreover, the workshop revealed appropriate practices and advice that each CMI could adopt to enhance the efficiency and sustainability of their respective technologies.

IP unit files 13 IPs in Q1

Sherry Lyn D. Supan

The Intellectual Property (IP) unit secured the protection of 13 university-generated technologies and other creative works through IP application on February 8, through the e-services platform of the Intellectual Property of the Philippines (IPOPHL).

This quarter's filings consisted of one (1) copyright, two (2) industrial designs, and ten (10) utility models. The inventors and creators of these innovative outputs mainly came from the College of Veterinary Medicine (CVM), College of Agricultural Systems and Technology (CASTech), College of Arts and Sciences (CAS), College of Engineering and Computer Studies (CoECS), and College of Hospitality, Entrepreneurship, and Food Sciences (CHEFS).



Due to recent institutional reorganization and increased stakeholder awareness of the importance of IP and technology commercialization, the unit anticipates a higher number of submissions and applications this year compared to its records from the previous years.

The IP unit, headed by Anne Gellie T. Dimabuyu and overseen by IP-TBM Manager Divine Reine S. Aquino, is now planning to facilitate its 2nd batch of filings this 3rd quarter of 2024, with the hope of increasing the number of patent applications.

Intellectual Property (IP) *SUBMISSION GUIDE*

PATENT / UTILITY MODEL APPLICATION

Submission Requirements:

- Duly accomplished Invention Disclosure Form (IDF).
- Supporting Documents (project document, terminal report, etc.)
- High-quality photos of the technology being filed.

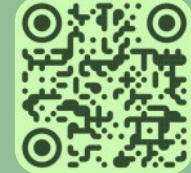


<https://bit.ly/Patent-UM-DisclosureForm>

INDUSTRIAL DESIGN APPLICATION

Submission Requirements:

- Duly accomplished Industrial Design Disclosure Form (IDDF).
- E-copy of the design being filed (Drawings of the industrial design/combine all drawings into one PDF file)
- Supporting Documents (project document, terminal report, etc.)



<https://bit.ly/IDDisclosure>

TRADEMARK APPLICATION

Submission Requirements:

- Duly accomplished Trademark Application Form (TAF).
- E-copy of the mark being filed.
- Explanation of all elements used in the mark.
- List of goods/services which are marked with the TM *if the marks is already use.



<https://bit.ly/TM-Application>

COPYRIGHT APPLICATION

Submission Requirements:

- Anti-Plagiarism Certificate .
- Duly accomplished Copyright Application Form (which requires the ff. valid ID and signature of the authors/ creators)
- Duly accomplished Waiver of Copyright Ownership.
- Six (6) copies Notarized Deed of Assignment. Soft and hard copies of the work.



<https://bit.ly/CopyR-Application>

PSAU-KMC conducts benchmarking visit at CvSU

Robby D. Lalu

January 29, 2024- The University's Knowledge Management Center (KMC) organized a benchmarking activity at Cavite State University (CvSU) main campus in Indang, Cavite to enhance knowledge sharing practices and promote collaborative learning.

The PSAU-KMC delegation headed by the IP Unit Head, Ms. Anne Gellie Dimabuyu was warmly received at the President's Office by Dr. Hernando D. Robles, who expressed his gratitude for selecting CvSU as the benchmarking avenue.

Dr. Teddy Tepora, Head of IP-TBM, and Dr. Alvin Alvarez, Head of the Publication and Communication Division, led the discussion on the operations and successes of CvSU's KMC. They highlighted the center's achievements and outlined future objectives.

Additionally, Dr. Agnes Francisco, Director of KMC, elaborated on the broader purpose of the KMC as part of CvSU's Research and Extension Office. She discussed various initiatives and strategies implemented by the center.

The PSAU delegates also visited several research centers, including laboratories, Coffee Processing Center, Techno-Demo Hub, Bee Research and Innovation, Technology Extension this is to gain a-



comprehensive understanding of the overall function and partnering offices of CvSU's KMC. Also, the team had the opportunity to visit the Agri-Eco Tourism Park which houses the agri-aqua facilities of CvSU.

The benchmarking program aimed to identify areas for improvement and innovation, leveraging the strengths of PSAU-KMC to enhance operations.

The activity was also attended by the project staff of Sibul-TBI, who sought insights into CvSU's technology business practices.

Dimabuyu said, "This benchmarking visit marks a significant step towards fostering collaboration and enhancing the educational and research capabilities of both institutions."



PCC visits PSAU-Office of Innovation

Jesusa Flor P. Nasarro

March 15, 2024- The Philippine Carabao Center (PCC) stationed at CLSU, led by Director Ericson N. Dela Cruz, visited the PSAU-Office of Innovation to discuss the implementation of the Regional Agri-Aqua Innovation System Enhancement (RAISE) Program in Central Luzon.

Both the PCC at CLSU and the PSAU have been designated by PCAARRD as regional leads for key components of the RAISE Program in Region 3. Dr. Dela Cruz's team is responsible for Project 2, the Regional Agribusiness Hub, while the team led by Assistant Professor Walter L. Pacunana, PSAU's Office of Innovation Director, handles the Regional Intellectual Property and Technology Business Management (IPTBM). Additionally, PCC oversees a project under Project 3, the Regional Agri-Aqua Technology Business Incubator (ATBI).

During the meeting, Director Pacunana highlighted the new structure of the Office of Innovation, which now includes an Agribusiness Unit headed by Mr. Jansen Canlas. Dr. Dela Cruz emphasized the importance of collaborative efforts and innovative approaches not only for the RAISE program but also for enhancing technology management functions -



across institutions in Central Luzon.

The meeting, which included staff from the RAISE Central Luzon Projects 1 and 3B, provided a platform for knowledge sharing and strategic planning.



BASC IPTBM visit PSAU for benchmarking activity

Allen Mark Demapanag

January 8- The IPTBM officers from Bulacan Agricultural State College (BASC), led by their IP Director and RAISE IPTBM Project Leader, Engr. Joselito D. Tucit visited the IPTBM Office at Pampanga State Agricultural University (PSAU) for a consultation activity.

Last year, PSAU was appointed to lead the Regional IPTBM in Central Luzon under the Regional Agri-Aqua Innovation System Enhancement (RAISE) Program by DOST-PCAARRD. BASC is one of the participating Consortium Member Institutions (CMIs) in this program.



Led by Office of Innovation Dir. Walter L. Pacunana, and IPR Specialist, Sherry Lyn Supan, the discussion focused on the best practices of the office in terms of IPR protection, technology promotion, and commercialization.

Through the RAISE Program, the IP Office of the said institution is expected to be further established as a fully operational IPTBM Office.

PSAU Office of Innovation conducts benchmarking activity at MMSU

Robby D. Lalu

The University's Office of Innovation conducted a strategic benchmarking initiative at Mariano Marcos State University (MMSU) to enhance PSAU's IP policy and technology transfer protocol (TTP), while strengthening the operations of the office and associated units and projects.

The visit focused on learning from MMSU's best practices, especially since MMSU is the lead institution for the DOST-PCAARRD's Regional Agri-Aqua Innovation System Enhancement (RAISE) Program in the Ilocos Region. PSAU, also involved in the RAISE Program, is the appointed lead for the IPTBM component in Central Luzon.

Under the leadership of Dir. Walter Pacunana, PSAU's Director of Innovation, the team engaged in extensive discussions with key MMSU officials. The knowledge-sharing sessions centered on MMSU's strategies for securing IP assets and implementing its incubation program.

Dr. Dionisio Bucao, MMSU's Director for Research, Innovation, and Technology, along with Prof. Armie Sabugo, Chief of Technology Business Incubation (TBI), and Engr. Artbellson Mamuri, Chief of the Innovation and Technology Support Office (UITSO), led the presentations on MMSU's IPTBM/ITSO and TBI operations.

The PSAU team also toured around MMSU's Food Processing and Innovation Center (FPIC) and Research Directorate. This visit provided first hand insights into MMSU's research facilities and innovation hubs, offering valuable lessons in operational strategies and infrastructure management.

Since its transition to Office of Innovation, the benchmarking activity also allowed the office to set its direction, standardize operations, and strategize its activities and goals for the year. This proactive approach shows the office's commitment to creating an environment that supports groundbreaking research and technological progress.



Office of Innovation participates in PSAU's 9th Charter Anniversary RET Exhibit

Joana B. Sula

The Office of Innovation, through its Intellectual Property (IP) and Sibul TBI units, participated in an exhibit organized by the Research, Extension, and Training (RET) which was settled on January 22-25 during the 9th Charter Anniversary of PSAU, themed "Celebrating a Blissful PSAU Community and Beyond"

Currently, the RET is transitioning to become the Office of the Vice President for Research, Innovation, Extension, and Training (RIET).

The IP unit set up a booth to raise awareness about the importance of IP in fostering innovation and creativity, where informative materials were displayed to educate the university community and visitors on protecting intellectual assets.



Sibul TBI hosted a booth displaying various products developed by its incubatees which includes the mushroom chicharon, spiced vinegar, mushroom paste, and camote chips, in line with their commitment to fostering innovation

Next to the booths of the IP and Sibul TBI units were those of the Tamarind Center, offering tamarind products for sale. Additionally, a RIET showroom and lounge was set up in the research and extension office, providing an inviting space for students and employees.

PSAU joins 1st International Kapampangan Cuisines Conference at HAU

Robby D. Lalu

Angeles City - The University's Office of Innovation, through its Sibul TBI, participated in the two-day 1st International Conference on Kapampangan Cuisine and Food Tourism held at Holy Angel University (HAU) on March 21-22.

Organized by the HAU-Center for Kapampangan Studies, the event aimed to celebrate and promote the rich and unique culinary heritage of Pampanga. The conference highlighted the talents of 36 remarkable MSMEs from various municipalities, showcasing their contributions to the region's culinary scene.

Recognizing the event's significance, the Sibul TBI participated in the Food Trade Fair, presenting an array of technology-driven products developed by PSAU and its supported incubatees.



Among the featured items were PSAU's tamarind-based products and flavorful mushroom crackers, along with incubatee creations such as mushroom chicharon, bukayu, and camote and banana chips—all proudly Kapampangan-made.

The PSAU Office of Innovation expressed strong support for the event, emphasizing its role in fostering a growing appreciation for local cuisines.

Technology Corner



MIGHTIBIG Meat Tenderizer

The technology introduces an innovative solution to the traditional method of tenderizing meat by developing an extract made from the leaves of Tibig. This extract offers a gentle yet effective method in enhancing the texture and flavors of any kinds of meat. With a suggested extract-to-meat ratio, this tenderizer ensures optimal results, providing a simple and natural solution for tender, mouthwatering dishes.

TECHNOLOGY GENERATOR

“ The MighTibig was a product of my undergraduate thesis wayback 2022. Initially, I was not supposed to make a meat tenderizer because my plan was to make a natural sweetener by utilizing the ripe Tibig fruits as source of fructose. Unfortunately, sa dami ng Tibig trees na napuntahan ko, isang piraso lang ng hinog na Tibig ang na-collect ko. So I looked into other uses and parts of Tibig, and I found out na meron palang properties itong si Tibig na hindi siya gagamitin bilang sweetener pero pwede siyang gamitin as meat tenderizer. This adjustment allows me to continue my research while adapting to the constraints of available resources.

Dati wala pa naman MighTibig e, thesis lang siya about sa utilization ng Tibig leaves as meat tenderizer. Then, through the help of my professors, nagtulong-tulong kami para mas mapaganda at ma-execute namin ng maayos ang thesis ko, at ngayon eto na siya, kilala na siya as MighTibig.”



RENIEL R. ANDALION, PFT

Instructor I
Food Technology Department
College of Agriculture Systems and Technology

Sibul TBI hosts 1st PIIC 2024 planning meeting

Queency Eurranne G. Castillo

Sibul TBI hosted the Provincial Inclusive Innovation Center (PIIC) Project Management Team (PMT) on Access to Technology and Innovation 2024 Planning Meeting on February 16 at PSAU, University Food Center VIP room.

Ma. Cristina Evangelista, DTI Pampanga Division Chief starts the planning meeting with her opening message, “Let us review our commitments and let us look kung ano pa yung pwede natin pagtulungan at kung paano natin maisusulong yung mga kanya-kanya nating objectives and mandates para makatulong tayo sa mga MSMEs ng Pampanga.”

Evangelista during her talk mentioned the inclusive filipino-innovation and entrepreneurship program, and the plan to establish an innovation center in Pampanga for the growth and advancement of MSMEs in Central Luzon.

On the other hand, Dr. Anita G. David, PSAU President said in her inspirational message, “Our university always gears up to produce more innovative research outputs, primarily, not just for the benefit of the PSAU stakeholders, but also for the benefit of the agri-innovation landscape of the region.”

Dr. David mentioned in her message, “We do not compete with one another but we complement one another.”



“I hope that whatever strengths that we have, we will be able to share it for the advancement of technology commercialization in Central Luzon”, she added.

Provincial S&T Director - DOST PSTO Pampanga, Engr. Mary Michelle M. Quiambao took the floor in facilitating the plenary discussion, presentation of PIIC 2023 accomplishments, reviewing and updating the 2024 action plan.

The planning meeting was set to wrap-up the agreements, review the target goals for year 2024, and the way forward of the PIIC with an aim of gearing up the region towards regional industry.

Sibul partnered agencies, industry partners, and fellow HEIs from DOST, DTI, DICT, PamCham, MACII, HAU, and DHVSU, were in attendance at the said meeting.



Sibul TBI, DTI Negosyo Center host seminar on Entrepreneurship, and DTI Services

Charliesse P. Navarro



The Sibul TBI and the Department of Trade and Industry (DTI) Negosyo Center held a seminar titled "Entrepreneurial Mind Setting and DTI Services" at the PSAU University Food Center Conference Room in January 12.

Business Counselors Ms. Miah Minerva Gatbonton and Ms. Alfine Bonus from DTI Negosyo Center served as the key speakers at the seminar. Ms. Gatbonton highlighted the benefits of making strategic investments to generate income and provided practical tips on starting a business.



Ms. Bonus further elaborated on the various programs and services offered by DTI Pampanga that Micro, Small, and Medium Enterprises (MSMEs) and Small and Medium Enterprises (SMEs) can leverage.

The seminar brought together group of participants, including Sibul-TBI incubatees, faculty members and students from the College of Business, Economics, and Entrepreneurship, and DTI Negosyo Center representatives.

Sibul TBI conducts goat production, chicken feed formulation trainings

Queency Eurranne G. Castillo

February 7- Sibul TBI spearheaded technology-specific trainings on goat production and chicken feed formulation at the PSAU Alternative Low Input Agricultural System (ALIAS) RDE Center.

The training was divided into two sessions: morning for goat production and afternoon for chicken feed formulation. The sessions were facilitated by Mr. Perry Pediongco of ALIAS RDE Center.

Pediongco started his goat production presentation with a question "Bakit kambing?" as there are many advantages of raising the ruminants. He further elaborated the discussion with the different types of goats, and the necessary management that underscores with it.

On one hand, during the training on chicken feed formulation, Pediongco emphasized the need for alternative organic-based feeds for the chicken since the chicken feed makes up 60-80% of the production cost associated with poultry farming.

After the training sessions, the participants toured around the facility of goat production.

Pediongco along with other ALIAS staff showed the ingredients of the feed formulation and the machines being used for the production. The formulations consist of locally available raw materials such as malunggay leaves, rice bran, black soldier flies, napier plants among others.

These training sessions are just some of the initiatives of Sibul TBI in partnership with the university RDE Centers in shaping innovations, building linkages, and uplifting the lives of the farmers and fisherfolks' nationwide.



Sibul TBI incubatees receive livelihood kit and capacity building training from DTI

Marcel B. Ramos



Sibul TBI incubatees received livelihood and entrepreneurship kit valued at approximately Php 11,000.00 each from the Department of Trade and Industry (DTI) Pampanga.

Marvie Jake Torero, and Arcie C. Santos were given hydroponic kits including a complete Nutrient Film Technique (NFT) setup and hydroponics snap solutions, while Indang Sonia received fish processing kits.

DTI also provided training sessions to Torero and Santos on how to implement the NFT hydroponics method. The training session was facilitated by Charmaine Plantilla, co-owner of Pampanga Hydroponics Supply.

On one hand, Sibul TBI has teamed up with the Department of Trade and Industry's Comprehensive Agrarian Reform Program (DTI-CARP) for an ocular visit to Indang Sonia's Burong Candaba facility.

During the visit, Melanie Quito and Emil Paolo Galang of DTI-Pampanga highlighted the

requirements of securing an FDA-approved product to ensure successful market launch.

They explained that the initial requirement is to obtain a License-to-Operate (LTO) before commencing processing activities. This entails having a processing facility that meets FDA's application criteria, starting with a location plan.



To assist Indang Sonia in meeting these requirements, Sibul TBI will oversee the creation of the layout plan for the proposed processing area. Additionally, efforts will be made to address the application for a trademark of the product's brand logo.

The support package and kits given to the incubatees was intended to boost their processing capabilities and promote entrepreneurial growth.

These initiatives underscore the collaborative efforts of Sibul TBI and DTI-Pampanga in promoting sustainable agricultural practices and supporting local entrepreneurs in Central Luzon.



Sibul TBI seeks support from the BFAR Region III for the aquaculture farming of the incubatees

Nicole Marie S. Cruz

The Sibul TBI team, led by Director Walter L. Pacunana, visited BFAR Region III to meet with Regional Director Wilfredo M. Cruz on February 19 to seek support for its four incubatees in fish farming, utilizing both biofloc technology and traditional methods for tilapia and African catfish production.



During the roundtable discussion, Mr. Pacunana highlighted the TBI project specifically the progress of the incubatees, and the needs of a fisherfolk community in Arayat. Director Cruz discussed challenges faced by fish farmers including the shortage of quality fingerlings, the emergence of new species, and high production costs.

Through this meeting, Sibul TBI aims to have further collaboration to support small fish farmers and agribusiness operators in the region.

Sibul TBI attends startup ecosystem mapping and roadmap review forum

Queency Eurranne G. Castillo

Sibul TBI attended the “SULONG Central Luzon’s R3 Startup Ecosystem Mapping and Roadmap Review Forum”, a meeting spearheaded by SULONG Central Luzon Start-up Consortium held via Zoom Meeting on February 23, 2024.

Engr. Christian Lance Arojado, the project manager of SULONG, said in his opening remarks, “This review forum will establish our ways forward towards a dynamic and inclusive startup ecosystem in Central Luzon.”

The presentation of Region 3 startup roadmap was later facilitated by Ms. Brenda Valerio. She gave a comprehensive overview about the innovation ecosystem, including the maturity levels, and the factors catalyzing the growth of the TBIs in Central Luzon”.

During the forum, Ms. Valerio presented the 46 available resources by location in the province of Pampanga indicating that the province has a higher maturity level in terms of resources. Also, she -

discussed the maturity level of Pampanga in terms of its regulatory environment.

Other stakeholders of SULONG across the region, including PNR, TSU-Aslaga, NEUST, BPSU SIKAT, DOST Tarlac, Hier Business Solutions Inc., DA-RFO 3, DISC-TBI, PRMSU, ISU, and DOST R3, were also in attendance in the said forum and each of them laid down their insights to improve the ecosystem roadmap of the region.

Moreover, the meeting was set to discuss how to raise the maturity level of the TBIs across the region.



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