

POLICY-FOCUSED RESEARCH
IN COLLABORATION WITH GOVERNMENT DEPARTMENTS

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A. GRADUATE STUDIES RESEARCH:

1. "Assessing the Perceived Benefits of Training and Development on Employee Performance in Municipal Financial Management Offices: A Case Study of Solano's Local Government Unit"

(Researchers: Da-ang, Jinee; Queja, Donna Mae V.; Sendin, Trisha J.; Tottoc, Angel Arne P.; Villanueva, Chelsea Mari O.; & Mania, Jeanette R., CPA)

This research study determines the perceived benefits of training and development for employees within the financial management offices of the Local Government Unit of Solano. Employing both descriptive and comparative methodologies, the study ensures a thorough examination of the research inquiry. This study utilizes a quantitative research approach, and a survey questionnaire focused on goal achievement, collaboration and communication, quality and efficiency, personal and professional attributes, and descriptive statistics were applied to analyze the data. Analysis of Variance (ANOVA) was employed to investigate potential significant differences in perceived benefits based on various profile variables like age, sex, current work position, and years in service. The Kruskal-Wallis test was also employed to assess the variation among the means of three or more groups, determining if there were any statistically significant differences in the group means. Moreover, the researchers employed the Mann-Whitney U test to assess if the participants' views on the benefits of training and development were influenced by their sex. Furthermore, an interview guide or an essay part was created to gather participants' insights on training and development to enrich the recommendations section of the paper. The findings indicate that there is a positive perception of the training initiatives. However, while the outcome yielded positive perceived benefits of training and development among respondents, there is a need for a comprehensive training strategy emphasizing the organization's commitment to the personal development of all employees. This emphasizes a proactive approach to training coordination, involving identifying key development areas and seeking approval and budget allocation for alignment with organizational goals.

Keywords: Collaboration and communication, efficiency, goal achievement, personal and professional, quality

2. The Extend of Implementation of the Barangay Governance Performance Management System: A Baseline for the Adoption of a Balanced Scorecard Towards an Improved Performance Management

(Researchers: Dumangeng, Marklein A.; Ortiz, Camille T.; Pagaduan, Rhea Mae T.; Sagaysay, Wilma D.; Villanoza, Jaleen Jean Katrine W.; & Jaliwali, Maria Conception T., MBA (Page 105)

In local government units (LGUs), a balanced scorecard can serve as a management framework to achieve objectives and projects. This study evaluated the implementation of the barangay governance performance management system (BGPMS) in Barangay Luyang, Bayombong, and Nueva Vizcaya as a baseline for adopting a balanced scorecard towards improved performance management. Using a mixed-method approach, the study assessed respondents' profiles and perceptions of BGPMS implementation from barangay officials and residents, focusing on stakeholder perspectives. Data collection involved survey questionnaires and semi-structured interviews, with analysis conducted using statistical tools such as frequency counts, percentages, mean, standard deviation, and Spearman-rho via IBM SPSS. Results indicated that barangay officials and residents, primarily middle-aged adults, perceived varying extents of the BGPMS implementation. Residents collectively perceive a large extent of BGPMS implementation in social services, environmental management, facilities, and stakeholder services but only to a small extent in economic development.

In contrast, barangay officials perceive the overall extent of BGPMS implementation to be very large. However, economic development is rated as only large, indicating the need for improvement. The test of significant difference highlights disparities between officials' and residents' perceptions across all service areas. Therefore, it is suggested that an enhanced performance management system, such as a balanced scorecard, could guide officials toward a more effective and responsive governance framework.

Keywords: Balanced scorecard, barangay governance performance management system, financial perspective, internal process perspective, learning and growth perspective, stakeholder perspective.

B. STUDENT RESEARCH:

1. Level of Satisfaction on Police-Community Relation Programs of the Philippine National Police among the Residents of San Leonardo, Aglipay, Quirino

(Page 175)

(**Researchers:** Buaho, Jocson O.; Guyud, Emmanuel Steven G.; Guyud, Emmanuel Philip G.; Vallente, Sheena Joyce B.; & Bautista, Gerome H, MST)

"The Police are the Public, and the Public are the Police." It is said that police and community collaboration is needed to maintain peace and order in the country, and such remarks highlighted not only the role of police regarding effective law enforcement but also the role of the citizens. This study aimed to describe the level of satisfaction of the residents of San Leonardo, Aglipay, Quirino with the implementation of Police Community Relation Programs using descriptive-comparative methods to address research problems. A descriptive-comparative method was used to describe the respondents' level of satisfaction with police-community relations (PCR) programs, namely the Public Information Program, Public Relation Program, Civic Action Program, and Psychological Program. The study showed that there are no significant differences in the respondents' level of satisfaction in terms of Sex and Age. However, there is a significant difference in their level of satisfaction with psychological programs when grouped according to their years of residency. The researchers recommend that the PNP regularly update themselves on the profile of the residents of the barangay and other barangays to be able to provide gender-sensitive and age-sensitive programs, especially for the older populations. The relevant activities crafted based on the salient findings are the following: Establishing Linkages, Strengthening the Barangay Justice System, Enhancing Competencies in Medical and Dental Care Services, Bulletin of Information, and Police Gerontology Services.

Keywords: Law enforcement, public information, public relations, civic action, psychological program

2. **Analysis of Crime Dynamics in the Municipality of Bayombong, Nueva Vizcaya Before and During Covid-19 Pandemic Restrictions** (Page 175)
(**Researchers:** *Bungubung, Julia Louise M.; Aquino, John Paul B.; Mariano, Ericson D.; Soncuan; Angelo A.; Daquioag, Elmar Jr. T.; & Maslang, Kenneth L. MAED*)

Crime is a social phenomenon that is continuous and constantly happening around the world. It is progressive and can adapt to any situation. Every second, there is a crime happening, and it sometimes makes the community feel unsafe and uneasy. In recent years, a pandemic broke out and affected the world, the same with how crimes are committed and how it affected the crime rate of the community. This study aims to analyze the crime dynamics in the municipality of Bayombong, Nueva Vizcaya, and to help enhance the prevention of crime in the said municipality through the use of interviews and document scanning from the Bayombong Police Station. The qualitative-descriptive design was used to describe the profile of index and non-index crime incidents in the Municipality of Bayombong from 2018 to 2021 and to analyze the prevalent offenses under the index and non-index crimes in two distinct periods. The results showed the demographic profile of crimes between the two periods. It shows that crimes are prevalent in the pre-pandemic period. Moreover, it shows that non-index crime is more likely to be committed in both periods, with reckless imprudence as the highest offense. It also shows how the system of PNP crime prevention effectively decreased the crime rate in the municipality. However, the crimes that mostly are committed on the road are still high; therefore, the researchers recommend enhanced crime prevention strategies that might help the community for the crime rate to decrease continuously; this includes enhanced police visibility, moral and legal awareness, installing technological deterrence, and strict traffic control. The continuous cooperation and support of the community in the police programs is one of the key factors in the decrease of crime frequency.

Keywords: Crime, crime prevention, crime rate, index crime, non-index crime

3. **Functionality of Barangay Violence against Women and Children's Desk in a Municipality in Nueva Vizcaya** (Page 179)
(**Researchers:** *Joelyne B. Espiritu; Harold G. Inuguidan; Daren Aristotle C. Mercado; May Kailee C. Santos; Diana I. Tayaban; & Florence Nawew-Bahni, PhD*)

The Violence Against Women and Children Desks in every barangay is a facility that serves as a frontline service provider at the grassroots of society to protect women and children. A VAWC Desk Officer manages it. This study uses a quantitative-qualitative design to assess the functionality of VAWC Desks in a municipality in Nueva Vizcaya. The quantitative part used a descriptive design to present the data collected through the survey and document scanning. Thematic Analysis was utilized to analyze the issues and challenges Barangay VAWC Desk Officers encountered in addressing VAWC cases. VAWC Desk Officers and Punong Barangays were the subjects of the study. Findings suggested that the functionality of VAWC Desks has been improving each year, with most of the desks at the "Ideal" level. However, the COVID-19 pandemic affected the functionality of VAWC Desks, causing some VAWC Desks to return to the mature, even progressive, and basic levels. Analysis of qualitative responses led the researchers to generate three main themes in the issues and challenges encountered by VAWC Desk Officers in addressing VAWC cases. These are fear, lack of proper implementation, and amicable settlement. On the other hand, two main themes were generated from the respondents' recommendations to counteract these issues, which are improving implementation and coordination with the Philippine National Police. The findings imply that although most VAWC Desks maintain an Ideal functionality, issues regarding implementation, like the need for training/seminars, lack of personnel, lack of some resources, and insufficient budget, still need to be solved. Hence, the continuous monitoring of VAWC Desks is vital to further improving the implementation of the VAWC Law.

Keywords: Customary laws, implementation of the VAWC law, VAWC desks functionality, RA 9262

C. FACULTY RESEARCH:

1. **Assessment of the Training Needs of the Sangguniang Kabataan Officials and Members of Bayombong, Nueva Vizcaya** (Page 193)

(**Researchers:** *Erwin D. Naval, Ernest Esmeralda, Diwata Donato, Nina Rheena Salinas, & Jones K. Liwan*)

Youth participation in governance is an investment of every nation. RA 7160 created the SK and KK as primary youth organizations mandated to work for reforms, policies, and projects. After three decades, the KK and SK have been blemished with issues such as corruption, political dynasty, mismanagement, skills deficiencies, and incompetence. In 2016, RA 10742 introduced the capacitation of the SK officials with training and seminars to enhance their skills and competencies. The study assessed the training needs of 116 KK members and SK officials of the municipality of Bayombong, Nueva Vizcaya, by determining their knowledge and competencies. This study utilized a descriptive-quantitative type of research. Results of the study show that respondents have a fair knowledge of the Code of Conduct and Ethical Standards, decentralization, and local governance, while poor on Parliamentary Procedures. They have low competencies in effective decision-making, strategic thinking, policy development, planning, and fostering collaboration among the youth. Results show significant differences in their knowledge of the Code of Ethics and Standards, decentralization and local governance, and Parliamentary Procedures, including their competencies in effective decision-making, strategic thinking, planning, and effective communication. Findings imply that the respondents have weak capacities in managing the KK and SK. Their limited capacities for strategic thinking, policy development, planning and implementation, engaging other youth, and partnership suggest a training program that will capacitate and enhance fundamental skills of KK members and SK officials essential in organizational management and legislation.

Keywords: Knowledge, competencies, local legislation, parliamentary procedures, policy development, project execution



The WEALTH VERSION. 2.0 R&D Project

Historical Background

Project WEALTH version I was started in 2017 by the University Research Center and expected to culminate by 2020. It was the result of a three-year log frame project to align all researches (both faculty and students) under six priority themes called WEALTH, an acronym that stands for; **W – Wellness, E – Environment, A – Accountability / Advocacy, L – Life-long Learning, T – Transformative** and **H – Health**. Within these priority themes, students and faculty members conducted researches across schools – both in the undergraduate and graduate school.

The original Project WEALTH was expanded in 2021 to encourage faculty researchers and students to conduct researches that relate to understanding the complexities of COVID-19 and to embrace international, national and local research agenda and thrusts. It came to be known as **Project WEALTH Version 2.0**.

The Institution's 13 – Point Agenda for AY 2021 - 2026

This Project is Saint Mary's University's 13-point agenda to address a six-year priority Research Agenda along various domains for 2021-2026. It is an extension project that was started in 2017. Version 2 of Project WEALTH aims to:

- a. Nurture a culture of excellence in research production, scholarship engagements and creative endeavors to support evidence-based policy making, as well as institutional and community needs;
- b. Promote greater alignment and partnerships between institutional research undertakings and local, national and international R and D programs / agenda (i.e. SDGs, the 4th Industrial Revolution, etc.)



- c. Enhance social benefits and technologies derived through mobilization of research knowledge, creative endeavors and inventions from across the disciplines; and
- d. Revitalize community engagement and stakeholder involvement in CICM advocacies and flagship programs, as well as address local, national and international needs.

Realizing the importance of research results for institutional and community development, the institution through the University Research Center (URC) mandates all faculty and student researchers to embark on researches with great utilization and in keeping with international, national, regional and institutional research mandates and thrusts. It is an acronym which stands for:

W – Wellness

E – Environment

A – Accountability / Advocacy

L – Life-long Learning

T – Transformative

H – Health

V – Value-added

E – E-Learning

R – Risk Reduction and Mitigation

S – Student-Centered Learning

I – Impact studies (best practices)

O – Opportunity Gaps (Mobility studies)

N – Network communication and information technologies

2.0



PRIORITY RESEARCH AREAS



W



E



A



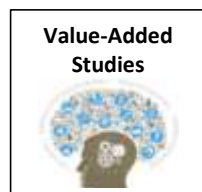
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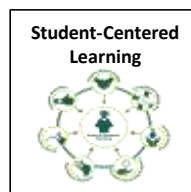
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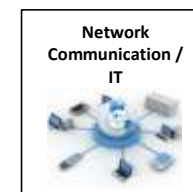
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I



O



N

2.0



Project WEALTH v. 2.0 is a six-year priority research area that embodies the desire of the institution to contribute to achieving relevant studies that include but are not limited to: (1) **Wellness**: Institutions and or peoples' physical, emotional, social, intellectual, environmental, spiritual, vocational and financial wellness; (2) **Environmental integrity**. Maintenance of integrity of creation, environmental education, justice peace, health, sustainability, environmental accounting, degradation, conscience and responsibility; (3) **Accountability / advocacy studies**: Safeguarding public interest, citizens' trust, performing mandated responsibilities, giving account, taking account and holding to account, collaboration, representation and interaction; (4) **Life-long Learning**: Relational, cognitive, practical, and emotional dimensions of learning, quality of service delivery, relevance to knowledge and practice and continuity of learning; (5) **Transformative studies**: Best practices, significant change with measurable impact, dynamics of change, peoples' mindsets, and cultures, dignity of work, workforce, workplace, and organization, infrastructure, processes, and workflows, capabilities, governance, decision-making, decision rights, and capitalization; (6) **Health**: Emotional, spiritual, physical, social, intellectual, environmental, occupational and financial health, etc; (7) **Value-added studies**: Quantification of effects on systems, procedures, lifeways, socio-economic circumstances, artificial intelligence, robotics, inventions and rights, patents, etc.; (8) **e-learning**: Emerging themes on e-learning especially during the pandemic, psychological impact, virtual teaching and learning strategies, challenges and prospects on e-learning, etc.; (9) **Risk-reduction and mitigation**: Public hazards, safety and vulnerabilities, rights-based approach to disaster risk and management, ethics of DRR, social protection, structural safety, etc.; (10) **Student-centered learning**: Principles and practices, teachers' roles and identities, evidence of student learning during the pandemic, teaching and learning experiences, strategies and approaches, etc.; (11) **Impact studies**: Academic, cultural, social, policy, environmental, wellbeing, training and cultural impacts, etc.; (12) **Opportunity gaps**: Mobility studies, disabilities, educational equity and inequalities, gaps, needs and potential remedies, opportunity vs achievement gap, gender and development, etc.; and (13) **Network communication and Information Technologies** may include research themes like impact of ICT, communication software, telecommunication service design, network operations and management, internet and IP based, environments and services, enterprise networking, systems and services, etc.



Research Agenda Setting

The WEALTH v. 2.0 R&D was a result of a Research Agenda Setting done in 2021. The objectives are as follow: (1) to align the institution's research agenda with relevant global and national mandates and thrusts; (2) to consider regional and local directives for appropriate research uptakes; (3) to produce research products (outcomes) that can be readily utilized for relevant community extension services and institutional needs and concerns; and (4) to bring together all scholarly researches under a unified project umbrella.

The crafting of the university research agenda is often done in a collaborative and participative manner. First, within the level of the research council, the agenda is prepared, brainstormed and pre-finalized for submission at the Center. This is spearheaded by the Research Coordinator (RC), who acts as chair of the research council together with the dean and department heads as members. The URC collates these and make additional refinements for presentation to and deliberation of the members of the Research and Community Development Council (RCDC). This comprised the second level. At the level of the RCDC, further revisions are done in consideration of the integration of relevant governmental agency R&D plans and programs into the Agenda.



Internal Stakeholders' Consultation within the Level of the Research Council

The Research Agenda is then finalized for approval by the University President who also sits as the Chair of the RCDC. The approved Research Agenda is cascaded to all schools via the RCs for graduate, undergraduate and faculty researchers' guidance. All researches are therefore culled from the prepared Research Agenda. Apart from what has been identified as institutional needs, concerns and issues from where creative researches can spring, the crafting of the Research Agenda of the University considers international, national, regional and local research needs and priority areas. International mandates and thrusts of national governmental instrumentalities have become the basis for the crafting of the Saint Mary's University R&D plans and Research Agenda.



Research Agenda Meetings at the Level of the Research and Community Development Council (RCDC)

The SMU Research Agenda Setting is illustrated by the symbolic *Bahay Kubo* (Nipa Hut), emblematic of Philippine culture which depicts the most nurtured Filipino value called *bayanihan*, which attributes to a spirit of collective unity or effort to accomplish an objective.

Setting a research agenda requires the collective effort of internal units of SMU to recognize that agenda are not set in concrete as they naturally change over time and grow as new needs and questions emerge. Hence, people from internal units provide richer grounds to refine ideas about setting the research agenda.



In addition, while the purpose of the *Bahay Kubo* is to lift up sustainable and healthy Filipino knowledge, skills, practices and values that can ignite a culture shift towards wellbeing, accomplishing this takes into account relevant global perspectives (*awning and canopy*), national thrusts (wall frames), regional and local needs (base/groundwork).

What beautifies and gives meaning to the *Bahay Kubo* is the people who live in it. A diverse and well-represented set of stakeholders is important in an agenda setting to appropriately identify priorities in research and to improve uptake of the research agenda. Stakeholder engagement, however, is not be limited to agenda setting, collaborative work must be sustained in all aspects of the research cycle.

Thus, in the crafting of the institutional research agenda, internal as well as external perspectives, global and national mandates and thrusts, as well as regional and local priority needs are put into consideration. This is basically where the Project WEALTH v. 2.0 is anchored.



SAINT MARY'S UNIVERSITY

BAYOMBONG, NUEVA VIZCAYA, PHILIPPINES

UNIVERSITY RESEARCH CENTER

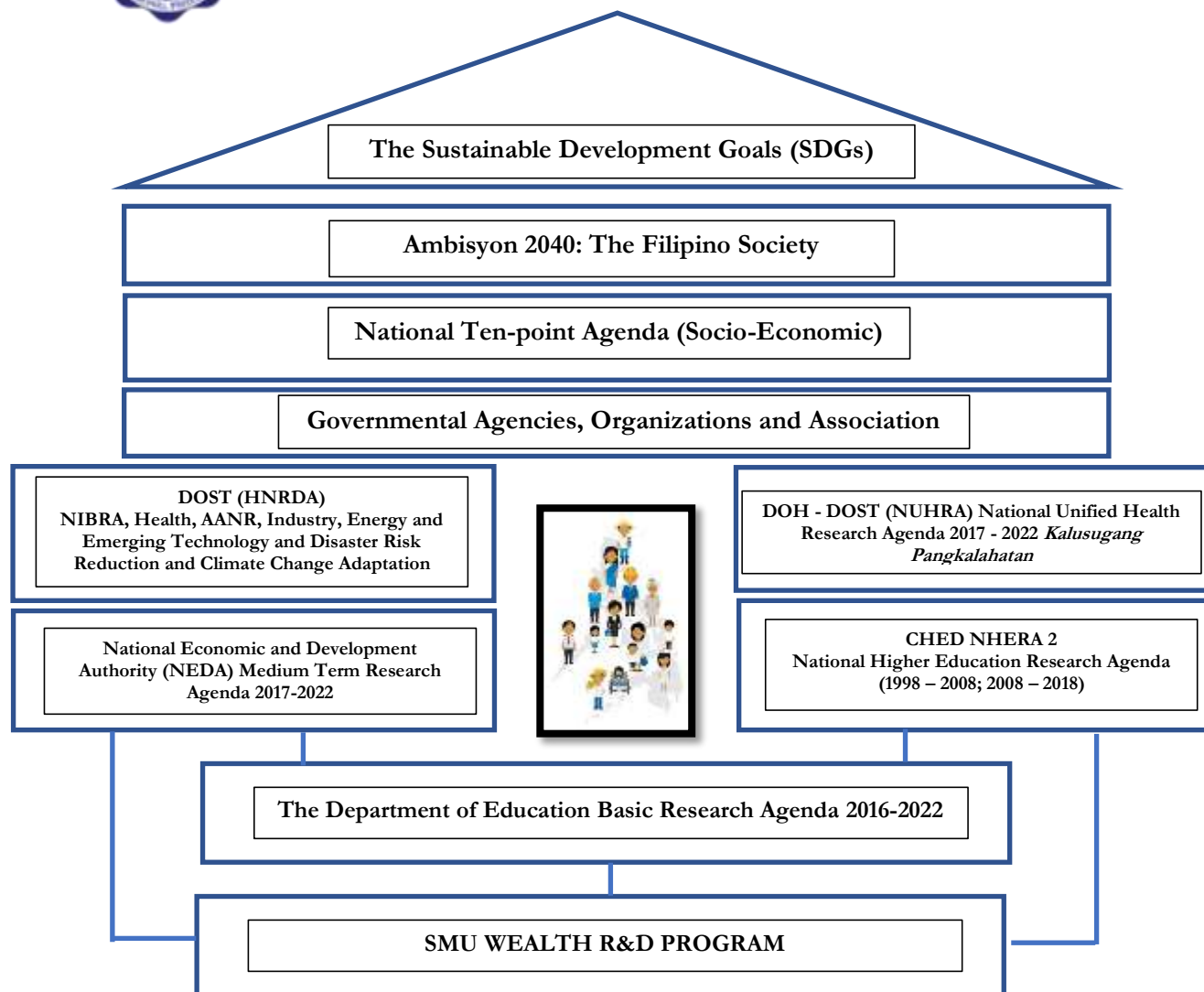


Figure 1. The Bahay Kubo Framework for Research Agenda Setting



Global Mandates and Thrusts (The SDGs)

The institution's R&D plans and Research Agenda is anchored on the UN Sustainable Development Goals or 2016-2030 SDGs. University-wide researches in various themes complement the SDGs particularly on good health and well-being, quality education, gender equality, clean water and sanitation, industry innovation, reducing inequalities, responsible consumption, climate and pro-environmental studies, establishing peace, justice and strong institution, etc. are reflected in institutional and disciplinary studies conducted by students and faculty members. At the onset of the pandemic, several institutional studies and disciplinary researches are conducted in the context of the pandemic to understand the intricacies and challenges posed by online or distance learning education, online pedagogies, health concerns and family issues, psychological well-being, obedience to policies relating to COVID 19 and others.

National Mandates and Thrusts

a. President Rodrigo Duterte's 10-Point Socio-economic Agenda

Cognizant with the University Research Agenda Setting is the contemplation for the Philippine Socio-economic Ten-Point agenda of the Duterte administration. Researches in SMU have to do with promoting rural and value chain development toward increasing agricultural and rural enterprise productivity and rural tourism, investing in human capital development, including health and education systems, and match skills and training to meet the demand of businesses and the private sector, promoting science, technology, and the creative arts to enhance innovation and creative capacity towards self-sustaining, inclusive development and strengthening implementation of responsible parenthood, gender and development and themes relating to the Reproductive Health Law.

b. Ambisyon 2040

Research works in the university also reflect the nation's aspirations as embodied in the Ambisyon 2040. The research agenda direct faculty members to create opportunities for Filipinos to enjoy a *matatag, maginhawa at panatag na buhay*. Disciplinary studies steer



improvement and development paths towards enabling students to attain their dream careers despite the rigors of the pandemic. This is Ambisyon (or Aspirations), which pertains to all dimensions of development: economic, human and physical capital, institutional, social and cultural. The aspirations of the Filipino people are that by 2040, they live long and healthy lives, are smart and innovative and with a high-trust society where families thrive in vibrant, culturally diverse, and resilient communities. Researches along these lines are given impetus in the research agenda of the university.

c. The DOST Harmonized National Research and Development Agenda

The central direction, leadership, and coordination of scientific and technological efforts of the country is given to the Department of Science and Technology (DOST). In 2017, in consultation with government and private research and development institutions, the academe, industry and other concerned agencies, prepared the Harmonized National R&D Agenda (HNRDA) 2017-2022 to ensure that results of S&T endeavors are geared towards and are utilized in areas of maximum economic and social benefit for the people.

In DOST Region 2 (Cagayan Valley), an aggressive move to produce one thousand patented projects to benefit industries and people led to the assignment of focal persons in Applied Sciences such as Engineering, Architecture and Information Technology, Health and Natural Sciences, Pharmacy and Medical Technology courses in SMU. The assigned focal persons are tapped to attend trainings on patent application (drafting and filing) and screen projects that result from researches conducted with potentials for possible patenting.

The foregoing initiative has led to the eventual establishment of the Technology Transfer and Business Development Office (TTBDO) of SMU in 2020. This office is lodged in the School of Engineering, Architecture and Information Technology, primarily to oversee faculty and student research projects for possible patenting and commercialization of capstone projects. It has started its operations with a Two Million Pesos (Php2,000,000) grant from the Shared Services Facilities (SSF) program of the Department of Trade and Industry, thus, the TTBDO shall work within the framework of government-academe-industry collaboration.



Moreover, relevant research themes under the DOST NIBRA project provide direction to faculty and student-researches especially along Inclusive Nation-Building (*Ang Tinig Natin*). Examples of researches in the university include data collection and analysis of social phenomena, indigenous knowledge systems and practices on Disaster Risk Reduction and Climate Change Adaptation, gender in nation-building, documentation of indigenous knowledge and belief systems like traditional health practices in the Philippines, extant cultural heritage of ethnolinguistic groups, cultural mapping, documentation of indigenous technology in Filipino expressive culture, indigenous sustainable farming practices, pedagogies in Philippine educational system, language, music, arts and folk dances, peace studies and conflict resolution. Albeit, most were conducted during the pre-COVID 19 era.

1.6. The DOH-DOST National Unified Health Research Agenda

Meanwhile, the DOH-DOST National Unified Health Research Agenda of 2017-2022 gives impetus on conduct of disciplinary researches on Universal Health Care and the National Strategic Thrusts on Filipino Health and Well-being. The institution serves as an arm of the DOH-DOST in providing baseline information on the development of a productive, resilient, equitable and people-centered health system, especially along research-related themes about COVID 19 pandemic to further understand its intricacies and challenges.

1.7 The NEDA R&D Program and Agenda (RRDA)

In addition, the university also anchors its R&D Program and Agenda on the National Economic and Development Authority (NEDA) Medium Term Research Agenda 2017-2022, including Regional Research and Development Agenda – where SMU is a perennial attendee to meetings, fora and other convocations organized by the Regional Office to bring about effective integration of the priority development programs and projects proposed by regional, provincial and other local development councils into the national development plan.

1.8. The CHED NHERA 2



The University is also a helpful arm of the CHED in necessitating conduct of institutional and disciplinal studies that complement NHERA 2 research thrusts. The Commission on Higher Education is mandated to promote, direct and support higher education institutions in performing their research and instruction functions. With the objective of enabling colleges and universities to produce high quality research that will advance learning and national development. SMU promotes partnerships and collaboration among HEIs and with other research institutions, local and foreign, as well as with industry and private laboratories, for the conduct of research, and application of research outputs through Multidiciplinal and collaborative researches.

1.9 Basic Education Research Agenda 2016-2022

DepEd Order # 39, s. 2016 titled: Adoption of the Basic Education Research Agenda mandates Basic Education to follow the Research Agenda which provides guidance its stakeholders, especially the teachers in the conduct of education research and in the utilization of research results to inform the Department's planning, policy, and program development aligned with its vision, mission, and core values.

Inasmuch as most of the students enrolled in the School of Graduate Studies come from the Department of Education, pertinent research themes and priority researches are provided to them especially among related courses on planning, policy, and program development aligned with DepEd vision, mission, and core values. Research themes include but are not limited to: studies on learning products or outcomes, teacher pedagogy, best practices, facilitating and hindering factors in instruction, assessment and learning, teaching and learning process, enhancing teaching of the new K to 12 curriculum - honing well-rounded learners, MTB-MLE, K to 12 area studies, evaluating programs, prevalence of bullying, child protection, friendly school zones, and peace education studies.



Project Wealth: Trailblazing the CICM Missionary Spirit

Just as the founding CICM fathers exhibited missionary zeal in the evangelization of the people and the education of the youth especially in the highlands, faculty members are expected to carry the torch of missionary spirit. Research has become a platform in conducting need-based researches in order to enhance institutional best practices, conduct of relevant community extension works, and enhancing pupil and student knowledge and skills in the 21st Century.

Convergent and Unified Research Agenda 2021-2026

School of Engineering, Architecture and Information Technology (SEAIT) Research Agenda



Core Themes	Sub Themes	Specific Themes /Topics
Architecture, Civil Engineering and Infrastructure Design	<ul style="list-style-type: none"> - Coastal Engineering - Transportation Engineering - Construction Engineering - Structural Engineering - Earthquake Engineering - Environmental Engineering - Geotechnical Engineering - Water Resources Engineering - Municipal & Urban Engineering - Green Engineering - Architecture - Digital Architecture - Safety Engineering - Engineering Economy 	<ul style="list-style-type: none"> - Management and Maintenance of Coastal Structures (and other structural design) - Design (Transportation Systems, Bridges, Highways, roads, public networks, High Rise Buildings, Iconic Buildings and structures, Power Plants, Dams, watersheds, tunnels, Deep Wells, floating structures, urban sewerage systems) - Development of Alternative Structural Materials - Concrete Technology - Concrete, glass, steel structures - Climate Control Buildings - Structural Vibration control - Fatigue in constructions solutions - Stability and Strength of Structures - Maritime Technology - Urban Planning - Architectural Animation



Core Themes	Sub Themes	Specific Themes /Topics
		<ul style="list-style-type: none">- Ground Improvement- Augmented Reality and Virtual Reality Technologies- Case studies of successful Architects- Case studies of successful civil engineers- Case Studies of successful project engineers- Studies on Quarry Sites
Electronics, Electrical, Computer Engineering	<ul style="list-style-type: none">- Energy and Power- Control Engineering- Micro Electronics- Signal Processing- Telecommunications Engineering- Embedded Systems- Automation- Green Engineering- Clean Engineering- Safety Engineering- Biomedical Engineering- Agriculture- Software Engineering and Design- Safety Engineering- Environmental protection Management- Responsive Health Systems- Health Resiliency- Global Competitiveness and Innovation in Health	<ul style="list-style-type: none">- Artificial intelligence- Internet of Things- Automated Systems (Security, Domestic works, industrial operations,- Nanotechnology (Health, Industry, Agriculture, Environment, Energy, Electronics, communication)- Robotics- Conservation of Energy- Development of Technologies that promotes sustainability and minimizes risk to human health and environment- Smart technologies- Improvisation and development of devices- Control Systems and automation (Agriculture, medical field, industry)- Impact of Urbanization and industrialization- Nutrition (Monitoring system for food security, quality and safety)- Environmental Health (Toxicity, poor environment, clean and ambient indoor air, waste management, sanitation, environmental and urban planning)- Accident and injury Prevention Systems or Projects- Disaster Risk Reduction- Information and communication technologies for health- Condition Assessment of Systems- Case studies of Successful Engineers (Electronics, Computer)
	<ul style="list-style-type: none">- Energy and Power	<ul style="list-style-type: none">- Electrical Systems Design/Improvement



Core Themes	Sub Themes	Specific Themes /Topics
Electrical Engineering	<ul style="list-style-type: none">- Control Engineering- Micro Electronics- Embedded Systems- Automation- Green Engineering- Clean Engineering- Safety Engineering- Sustainable Energy and Machinery- Environmental Protection Management- Engineering Economy	<ul style="list-style-type: none">- Renewable Energy- Power Plants- Distribution Systems- Analysis of Power Systems- Conservation of Energy Designs- Development of Technologies that promotes sustainability and minimizes risk to human health and environment- Generation of energy Systems- Energy Saving Technologies- Smart Grids- Condition Assessment of Systems- Case Studies of Successful Electrical Engineers- Reduction of Energy Consumption in designs- Optimization of Energy
ICT and Multimedia	<ul style="list-style-type: none">- Software Customization- Emerging Trends- Web Applications- Mobile Computing- Network Design- Agriculture- Responsive Health Systems- Health Resiliency- Global Competitiveness and Innovation in Health- Artificial Intelligence	<ul style="list-style-type: none">- IT-Based apps, programs or software (Business and government applications)- Android technology Mobile Application Development- Cloud computing- Game Development- Internet of Things- Interactive Systems- Access to essential medical products and technologies (System for logistics, allocation and distribution)- Health Information system (Innovative health information systems)- Data Science and E-Health Solutions- Mapping of Health Risk and Health Resources- Telemedicine- Information and Communication Technology for Health, Agriculture, E-commerce- Problem and issues in e-learning maintenance



Core Themes	Sub Themes	Specific Themes /Topics
Related Areas	- Technopreneurship	<ul style="list-style-type: none">- Digital marketing systems- Case study on Business Analytics- Case studies of Successful Technopreneurs- Impact of Online Technologies (Business Competition, Promotion, etc.)
	- Ergonomics	<ul style="list-style-type: none">- Factors that harms the musculoskeletal system in engineering work areas, projects and designs
	- Water Resource Management	<ul style="list-style-type: none">- Optimization of Water Resource Systems
	- Waste Management	<ul style="list-style-type: none">- Reuse of Waste / Hazardous Waste- Automated Waste Management systems (Electronics Approach)- Reduction of Waste in Engineering Projects
	- Engineering Ethics	<ul style="list-style-type: none">- Case studies Engineering Ethics- Ethical Issues Awareness for IT Professionals, or Architects or Engineers in Practice
General / Institutional Research	- Basic Education Program	<ul style="list-style-type: none">- Best Curricular Practices- Employability of SMU Graduates- Strategies to enhance the teaching-learning process

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Civil Engineering Research Agenda. <https://newengineer.com/advice/what-are-the-subdivisions-of-civil-engineering-1306598>



SCHOOL OF HEALTH AND NATURAL SCIENCES (SHNS) Research Agenda



Core Themes	Subthemes	Specific Themes/Topics
Bachelor of Science in Medical Technology		
Medical Technologists	Professional Aspects	<ul style="list-style-type: none"> - Professional ethics of medical technologists - Current issues in the medical technology profession: <ul style="list-style-type: none"> a) Medical engineering b) Genetic engineering c) Allied health profession and its moral implications d) Occupation risks in the medical technology
	Graduate Tracer Studies	<ul style="list-style-type: none"> - The medical technologists and the diseases of the 21th century - Tracer Studies of Graduates - Employability Research of Graduates
	Occupational health and migration	<ul style="list-style-type: none"> - Compliance to occupational safety and standards, and interventions. - Health consequences surrounding documented and undocumented migrant workers and their families. - Researches on the health impacts of urbanization, industrialization and globalization (source: NUHRA p. 15)
	Biosafety and Biosecurity	<ul style="list-style-type: none"> - Processes of biosafety and biosecurity in the laboratory, its proper and effective implementation. (source: Trending researches in the organization)
Clinical Chemistry, microscopy and parasitology	Blood, Urine, Chemical Constituents and body fluids analysis	<ul style="list-style-type: none"> - Different blood chemical constituents, metabolism, functions, actions, laboratory techniques and principles, reference values and clinical significance - Diagnostic kit production of the urine and other body fluids. - Parasitic diseases



Core Themes	Subthemes	Specific Themes/Topics
		<ul style="list-style-type: none">- Controlling growth of parasites- Epidemiological studies on the diseases associated with urine and fecal analysis
Microbiology	Microbial studies	<ul style="list-style-type: none">- Growth and spread of pathogenic bacteria- Antimicrobial susceptibility- Epidemiological studies on the communicable infectious diseases- Morphology and physiology of viruses and fungi- Characterization of clinical properties of microorganisms and viruses
Hematology and Immunohematology	Blood studies and blood banking	<ul style="list-style-type: none">- Hematological determination- Laboratory assays for the diagnosis of hematologic disorders- Epidemiological studies on the communicable infections and non-communicable diseases- Organizing and managing blood bank- Laboratory testing development on crossmatching and Antibody identification processes.- Epidemiological studies on the donors and recipients (NUHRA)
Immunology and Serology	Screening and Confirmatory Procedures	<ul style="list-style-type: none">- Immunology/serology and laboratory diagnosis of specific disease through the use of serological reactions- Diagnosis and treatment of diseases- Development of diagnostic tests and devices for early detection and monitoring of premorbid conditions and diseases<ul style="list-style-type: none">a) Immuno-modulationsb) Assays of immune-competencec) Hypersensitivity reactiond) Transplantatione) Tumor immunologyf) Autoimmunity- Epidemiological studies on the communicable infectious diseases and non-infectious diseases- Screening to detect early disease or risk factors for disease- Confirmatory studies on the presence or absence of disease



Core Themes	Subthemes	Specific Themes/Topics
		- Prognosticating and predicting the likely outcome of disease, susceptibility and chances of recovery National Integrated Basic Research Agenda (NIBRA) 2017-2022
	HIV/AIDS and other STIs	- Socio-behavioral studies to address stigma, discrimination, and other barriers to HIV and STI screening and control
Genomics/molecular technology	Molecular Diagnostic Laboratory	- Use of information in the human genome in the design of biologics, therapeutics and diagnostic devices or products a) Biomarkers b) Adult stem cells - Biologics
	Biomedical products and engineering	Improvisation and local development of reliable, safe, and affordable biomedical devices for supportive and therapeutic care, for local health service provision and international markets, specifically on molecular level (NUHRA)
Health Information System	Information and communication technologies for health	- Data science and E-health solutions for the integration of health information in recording and utilizing patient information, mapping of health risks and health resources, telemedicine, and health promotion (NHURA)
Pandemic-Related Researches	Emerging and re-emerging diseases	- Studies on certain diseases which have the capacity to spread through outbreaks and pandemics, including but not limited to Zika, SARS, Malaria, MERSCoV, etc. - Evaluation of the effectiveness of interventions (NHURA) - Diagnosis, treatment and prevention of dengue, diarrhea, HIV/AIDS and other STIs, tuberculosis, rabies, neglected tropical diseases and soil transmitted helminthiasis, and other communicable diseases (NHURA 2017-2022)
	Communicable diseases	- Relationship between the 'new normal' lifestyle and study mechanisms of medical laboratory students - Challenges of students and faculty in the pandemic crisis shift from face-to-face to online learning education - Cognitive effects of online learning to students and faculty handling skill-based health courses



Core Themes	Subthemes	Specific Themes/Topics
Bachelor of Science in Pharmacy		
Pharmacognosy	Secondary metabolites tests and analysis	<ul style="list-style-type: none"> - Secondary metabolites relevant to drug discovery and development - Plant source constituent analysis - Discovery of plants with potential to prevent and treat current diseases - Utilization of discovered plants with potential to treat diseases
Pharmaceutical Biochemistry	Biochemistry	<ul style="list-style-type: none"> - Trends in pharmaceutical biochemistry - Role of pharmacist in biotechnology - Correlation of the structure of the biochemical and its biologic functions - Transmission and expression of genetic function
Pharmaceutical Microbiology and Parasitology	Clinical cases of pathogenic microorganisms Antimicrobial Resistance (AMR)	<ul style="list-style-type: none"> - Correlate the antimicrobial property of the antimicrobial agents in the control of pathogenic microorganisms - Role of microbial current good manufacturing practice (MCGMP) in controlling the microbial contamination during drug manufacture - Roles of microorganisms in the development of disease, prevention of its occurrences and in food production preservation - Mechanism of AMR occurrence - Roles of pharmacists in the prevention of AMR.
Human Anatomy and Pathophysiology	Human Anatomy Pathophysiology	<ul style="list-style-type: none"> - Anatomy of human body - Etiology of diseases - Management of diseases - Drug therapy of diseases - Non-communicable diseases (NUHRA. 2017-2022)
Pharmaceutical Care	Pharmaceutical Care 1 Introduction to Health Care	<ul style="list-style-type: none"> - Concepts of Health - Determinants of health (NUHRA, 2017-2022). - Health Care system of the Philippines - Roles of Pharmacists in the health care team
	Pharmaceutical Care 2 Public Health	<ul style="list-style-type: none"> - Principles of community health - Health promotion



Core Themes	Subthemes	Specific Themes/Topics
		<ul style="list-style-type: none"> - Communicable diseases in the Philippines (NUHRA. 2017-2022). - Disease management through curative care
	Pharmaceutical Care 3 Patient medication counseling	<ul style="list-style-type: none"> - Patient counseling process - Prevention of medication errors through patient counseling - Communication skills development - Health service delivery (NUHRA.2017-2022).
	Pharmaceutical Care for Drug dispensing	<ul style="list-style-type: none"> - Good dispensing practices (GDP) - Good compounding practices - Medication error prevention through - GDP and Good Pharmacy Practices (GPP)
Clinical Pharmacy	Clinical Pharmacy	<ul style="list-style-type: none"> - Critical appraisal of information in the solution of drug therapy problems in practice - Integrating and applying pharmaceutical, biomedical and clinical knowledge to patient care - Interpersonal skills relevant to clinical pharmacy
Manufacturing Pharmacy	Pharmaceutical unit operations	<ul style="list-style-type: none"> - Principles and technology involved in the design, formulation, manufacture and packaging of the various drug dosage forms and delivery - Principles of Current Good Manufacturing Practices (cGMP) - Quality Management System (QMS), - Good Laboratory Practices (GLP) - Good Distribution Practice (GDP) QC and QA of manufactured drugs.
	Drug discovery and development	<ul style="list-style-type: none"> - Discovery of new drugs to be developed up to the preclinical stage - Access to essential medical products, vaccines and technologies (NUHRA. 2017-2022). <ul style="list-style-type: none"> a) From natural sources (herbal, marine, terrestrial) - For common infectious diseases and lifestyle related disorders
Hospital Pharmacy	Hospital Pharmacy Management	<ul style="list-style-type: none"> - Trends in Hospital Pharmacy Management - Ethical issues on Hospital Pharmacy Role of Pharmacists - Legal Issues on institutional practice
Quality Control II	Drug testing and assay with instrumentation	<ul style="list-style-type: none"> - Principles of instrumental methods of analysis in various pharmaceutical products



Core Themes	Subthemes	Specific Themes/Topics
		<ul style="list-style-type: none">- Application of stability tests and statistical quality control as tools for evaluating process- Role of the pharmacists in the risk assessment and management of poisoning
Pharmaceutical Management and Administration	Pharmacy Admin Graduate Tracer Studies	<ul style="list-style-type: none">- Management principles and functions in pharmacy practice- Management principles in business settings- Pharmaceutical industry and pharmaceutical market system<ul style="list-style-type: none">a. Tracer Studies of Graduates- Employability of Graduates
Pharmacy Informatics	Pharmacy information management	<ul style="list-style-type: none">- Various sources of information and their uses- Web-based information management- Health Information dissemination through tele-pharmacy- Health information systems (NUHRA. 2017-2022).- Latest trends in Pharmacy electronic services
Pharmacy Research	Research process Social Dimensions on Health Cultural management/propagation of priority organisms	<ul style="list-style-type: none">- Health research management (NUHRA 2017-2022)- Filipino perceptions and concepts on health- Herbal and folkloric medicine- Models for good governance in health management (DOST; National Integrated Basic Research Agenda (NIBRA) 2017-2022; HNRDA 2017-2022 - Pre-clinical evaluation of standardized herbal drugs for platelet enhancement related to dengue, inflammation, diabetes, gout, hypertension- Identification and screening of next set of priority plants for formulation for identified priority diseases- Pre-clinical drug development- Development and/or validation of standard processes and protocols for various stages of drug discovery and development (NIBRA) 2017-2022
Pandemic Related Research		<ul style="list-style-type: none">- Development of vaccines and diagnostic kits using indigenous materials- Awareness, implementation of, and compliance with the Generics Law; strengthening local manufacturing of medications, vaccines, and other medical products



Core Themes	Subthemes	Specific Themes/Topics
		<ul style="list-style-type: none"> - Issues on safety and quality (potency of generic medicines, proliferation of counterfeit medications, adverse drug reaction reporting, and drug information for patients) NUHRA 2018-2022
		<ul style="list-style-type: none"> - Learning experiences of Pharmacy students amidst the covid-19 pandemic - Assessing pharmacist's role in the prevention of medication errors - Review on patient counselling in the community pharmacies of various localities - Survey on the provision of medication therapy management services
Bachelor of Science in Nursing		
Community Health Nursing	Community Participation in Community Health Development	<ul style="list-style-type: none"> - Community participation in community health needs assessment and capacity-building to address the assessed needs - Factors affecting community participation in capacity-building for sustainable community health and development - Improvement of Community Health Nursing Program and COPAR Process
	Effectiveness of the Community Health Nursing Services	<ul style="list-style-type: none"> - Evaluation of the implementation status of the DOH-sponsored programs. -
Nursing Education	Issues and trends in Health Education	<ul style="list-style-type: none"> - Readiness of Nurse Educators for Special Education Clients Implementation of Virtual Health Education
	Technology and Education	<ul style="list-style-type: none"> - Technological Update specially in the use of Virtual Platform for Nursing Education - Nursing Informatics - Distance Learning
Nursing Education Management	Program/Curricular studies on higher education	<ul style="list-style-type: none"> - Curriculum Evaluation (Outcome Based Education)
	Research on quality and standards in the context of:	<ul style="list-style-type: none"> - International rankings and global benchmarking - Quality assurance system
	Graduate Tracer Studies	<ul style="list-style-type: none"> - Tracer Studies of Graduates



Core Themes	Subthemes	Specific Themes/Topics
		<ul style="list-style-type: none">- Employability of Graduates
Maternal Nursing	Women's Health	<ul style="list-style-type: none">- Health and birthing beliefs and practices of the different cultures in pregnancy, labor and delivery and puerperium- Traditional Maternal Nursing Practices of Indigenous People/Mothers of Nueva Vizcaya- Standards of the BeMONC (Basic Emergency Maternal Obstetric and Neonatal Care)- Coping Mechanisms of the woman, woman partner, and family of the stresses of pregnancy, labor and delivery and puerperium during the COVID 19 Pandemic
Pediatric Nursing	Child's right and wellbeing	<ul style="list-style-type: none">- Management of COVID 19 among Pediatric Patients- Management of Childhood Illnesses
Medical-Surgical Nursing	Preventing and Managing Illnesses	<ul style="list-style-type: none">- Evidence-based practice in preventing and managing illnesses among adults- Nursing Intervention in the Management of COVID Patients- Readiness in the Management of Emerging Infectious Diseases- Palliative Care<ul style="list-style-type: none">a) Cancer Management- Emergency & Disaster Nursing
Psychiatric Nursing	Care of Clients with Maladaptive Patterns of Behavior	<ul style="list-style-type: none">- Death and Dying- Mental Health of Nurses handling COVID Patients<ul style="list-style-type: none">a. Coping of Nurses who are infected with COVID 19- Stress & Coping of Students to Distance Learning
Spiritual Care Nursing	Spiritual formation and role of nurses in providing spiritual care	<ul style="list-style-type: none">- Ethics in spiritual care nursing- The nursing role in spiritual care- Meeting the challenges in in spiritual care
Hospice Palliative Care	Providing quality of life of the person in near death situation	<ul style="list-style-type: none">- Essential components of palliative care- Nurses role in palliative care
Acute/Critical Care Nursing		<ul style="list-style-type: none">- Trends in the management of acutely and critically ill patients



Core Themes	Subthemes	Specific Themes/Topics
Geriatrics Care	Care of the chronically ill and the older person	<ul style="list-style-type: none"> - Trends in geriatrics care in the midst of the Pandemic
	ICT for Health	<ul style="list-style-type: none"> - Development of user friendly ICT solutions to accelerate the gathering and processing of health and related information for policy making, and delivery of quality healthcare services - Public health surveillance / health intelligence systems - Tele health services and systems - Interface for ICT-enabled medical devices - ICT-enable health services - Research on translating health data to information and knowledge - standardization, harmonization, utilization, management, and communication for effective health service delivery and innovative health information systems to support service delivery NUHRA 2017-2022
	Health information systems	
Nursing Research	Bioethics/Research Ethics	<ul style="list-style-type: none"> - Ethical principles applied in public health policy formulation and program implementation - ethical principles articulated in health care policies and operating procedures in health care facilities - Research on how to make quality health services more accessible, effective, efficient, and available and more - Evaluation on the impact of Health Facility Enhancement Program
	Health service delivery	
Pandemic research related	Care of the chronically ill and the older person	<ul style="list-style-type: none"> - Trends in geriatrics care in the midst of the Pandemic - Implementation on Safety Health Protocols against COVID-19 - Adherence to standard care related to presence of COVID 19 Pandemic - Stress and coping strategies among nurses in the midst of covid-19 pandemic - Psychological experiences of nurses in caring for covid-19 patients
CNS Short to Medium Term Research Agenda		



Core Themes	Subthemes	Specific Themes/Topics
Functional Food Research and Development	Basic Researches	- Public Health and Nutrition
		- Identification of Socio-demographic Trends
		- Consumer Demands, Attitudes and Product Requirements
		- Bioavailability Determination
		- Investigation of Bioactive Components
		- Investigation of Health Benefits
		- Safety Studies
		- Effectiveness Studies
	Applied	- Suitable Processing Technologies
		- Technology Requirements
		- Food Processing
		- Food Development
	Production	- Pre-market modelling
		- Raw material mass production <i>(to include new and improved technologies)</i>
		- Packaging, marketing, patenting, of finished products
		- Post market surveillance

References

National Unified Health Research Agenda 2017-2022

National Integrated Basic Research Agenda (NIBRA) 2017-2022

Harmonized National Research and Development Agenda (NIBRA 2017-2022)

Disaster Risk Reduction and Climate Change Adaptation (DRR CCA)

Biology, Nursing, Medtech, Pharmacy Curriculum

DOST National Integrated Basic Research Agenda (NIBRA) 2017-20



SCHOOL OF ACCOUNTANCY AND BUSINESS (SAB) Research Agenda



Core Themes	Sub Themes	Specific Themes /Topics
Accountancy and management accounting	<ul style="list-style-type: none"> - Financial accounting and reporting - Intermediate Accounting 	<ul style="list-style-type: none"> - Knowledge in Financial -Recording and Reporting - Financial Ratio Analysis - Accounts receivable management practices
	<ul style="list-style-type: none"> - Cost accounting and control 	<ul style="list-style-type: none"> - Valuation and cost-benefit analysis - Costing strategies - Activity based costing - Target Costing
	<ul style="list-style-type: none"> - Strategic management cost 	<ul style="list-style-type: none"> - Budget accountability - Budget allocation and implementation - Performance measurement - Lean accounting - Management accounting practices - Tactical Decision Making
	<ul style="list-style-type: none"> - Financial management 	<ul style="list-style-type: none"> - Assessment of the financial and management operations - Financial Ratio Analysis - Financial Planning - Credit and Collection Strategies - Working Capital management Practices - Capital Budgeting
	<ul style="list-style-type: none"> - Operations management and total quality management 	<ul style="list-style-type: none"> - Total quality management practices and problems - Operations management practices



Core Themes	Sub Themes	Specific Themes /Topics
	- Accounting for government and non-profit organization	<ul style="list-style-type: none"> - Budget allocations and implementation - Compliance with government policies - Bookkeeping and FS preparations for NGOS - Awareness and attitudes and problems on electronic new government accounting system` - Performance Evaluation of cooperatives - Compliance with Cooperative Laws
	- Strategic business analysis	<ul style="list-style-type: none"> - Standard Costing - Balanced Scorecard - Activity Based Management - Life cycle costing - Operational Performance Measurement
	- Accounting for business combination and special transactions	<ul style="list-style-type: none"> - Construction Contracts - Installment Sales - Franchise Accounting
	- Business ethics, corporate social responsibility, and value-based management	<ul style="list-style-type: none"> - Determinants of value-based management - Value-based management systems on firm behavior - Corporate governance mechanisms on firm performance and firm behavior - Compliance with codes of good governance - CSR practices - Implications of CSR - Case study of the corporate social responsibilities
	- Taxation	<ul style="list-style-type: none"> - Tax compliance - Tax practices - Tax avoidance mechanisms
	- Environmental accounting	<ul style="list-style-type: none"> - Perception on environmental accounting - Compliance with environmental rules - Environmental practices
	- Agribusiness and accounting management	<ul style="list-style-type: none"> - Bookkeeping and accounting in farming - Accounting practices for agribusiness



Core Themes	Sub Themes	Specific Themes /Topics
	- Accounting and information system	- Assessment and acceptance of accounting and information system
	- Accounting Education	- Evaluation of effectiveness of curriculum - Best practices in accounting education
Auditing	- Auditing and assurance - Operations auditing	- Auditing practices - Internal audit - COSO Framework - Philippine Standards on Auditing - Audit compliance
Financial Management	- Personal finance	- Financial literacy - Expenditure management
	- Banking and financial institutions	- Electronic banking
	- Investment and portfolio management	- Investment awareness of the community - Investment awareness of bank clients - Investment packages for retirees
	- Credit and collection	- Credit and collection strategies/practices
	- Cooperative management	- Cooperative management practices
	- Financial services	- Consumer financing - Enterprise financing - Insurance savings mobilization - Digital financial services - Digital transformation of microenterprises
Marketing management	- Consumer behavior	- Buying decision -making process - Market research - Creating market - Customer satisfaction - Customer loyalty



Core Themes	Sub Themes	Specific Themes /Topics
		<ul style="list-style-type: none"> - Consumer preference and attitude - Consumer rights and responsibilities - Means of consumer advocacy
	- Product management	<ul style="list-style-type: none"> - Improvement of food shelf-life - Innovative food product - Product development and packaging
	- Services marketing	<ul style="list-style-type: none"> - Customer relationship management - Customer retention - Complaint-handling techniques
	- Pricing strategies	<ul style="list-style-type: none"> - Pricing strategies
	- New market development	<ul style="list-style-type: none"> - Market development and assistance
	- Promotion	<ul style="list-style-type: none"> - Direct marketing (CRM) - Effectiveness of integrated marketing communication with respect to consumer - Professional salesmanship and sales management - Public relations/advocacy marketing
	- Retail management	<ul style="list-style-type: none"> - Retail store management - Retail management strategies
	- Distribution management	<ul style="list-style-type: none"> - Supply chain management/logistics management - Distribution innovation
	- E-commerce and internet marketing	<ul style="list-style-type: none"> - Online selling - Electronic marketing and e-Commerce
Office Administration	- Customer relations	<ul style="list-style-type: none"> - Customer relations practices
	- Office procedures	<ul style="list-style-type: none"> - Office procedures practices - Legal and Medical Office Procedures
	- Internet research	<ul style="list-style-type: none"> - Competencies on online research
	- Stenography	<ul style="list-style-type: none"> - Competencies on stenography
	- Modern technology competency	<ul style="list-style-type: none"> - Levels of computer knowledge and skills - Virtual office management



Core Themes	Sub Themes	Specific Themes /Topics
		- Digitalization
Entrepreneurship	- Managing an enterprise	- Managing a service enterprise - Managing a manufacturing business - Programs and policies on enterprise development - Business continuity planning
	- Innovation management	- Innovative practices
	- Viability of idea evaluation	- Feasibility studies
	- Social entrepreneurship	- Development of social enterprise models
Hospitality Management	- Risk management as applied to safety, security, and sanitation	- Compliance of establishments on safety, hygiene, sanitation, and other standards - Food and nutrition security - Assessment of the Food Safety Practices - Crisis Innovation
	- Quality service management	- Service quality assessment - Service innovation - Supply chain/value chain related issues
	- Food and beverage preparation	- Food styling and design - Food quality and safety - Food fortification - Improvement of food shelf-life - Product acceptability for food & beverages
	- Lodging and front office operations	- Operations Management Practices - Best Practices on Hospitality & Tourism Management Operations
	- Culinary	- Development of natural products and value-added products - Feasibility of developing a new food product/ healthy food utilizing local resources - Product processing and Product development from various crops



Core Themes	Sub Themes	Specific Themes /Topics
Tourism	- Food and beverages service operations	- Operations of food and beverages service establishments
	- Hospitality marketing	- Hospitality marketing strategies
	- Tourism marketing	- Efficiency and effectiveness of social media as a communication channel for sustainable tourism marketing and promotions
	- Quality service management in tourism	- Quality service management in tourism - Emerging skills and competencies across tourism & hospitality sectors
	- Tour and travel management	- Tour and travel management practices - Tour packaging and pricing
	- Recreational and leisure management	- Recreational and leisure management practices
	- Sustainable tourism	- Innovations of hospitality/tourism and sustainability - Promoting sustainable tourism development - Tourism impact studies - Promoting sustainable tourism development
	- Tourism policy planning and development	- Ensuring the safety and security of tourists through mandatory accreditation of accommodation establishments - Tourism product development - Creating synergies and partnerships across tourism sectors
	- Tour guiding	- Virtual tour guiding
	- Operations management in tourism hospitality industry	- Operations management practices in tourism hospitality industry - Risk management in tourism and hospitality - Crisis innovation - Tourism resiliency
	- Transportation management	- Tourist transportation
	- Ecotourism, sports tourism, cultural tourism,	- -Tourism vlogging - -Community-based ecotourism project



Core Themes	Sub Themes	Specific Themes /Topics
	rural tourism, religious tourism, educational tourism, agri-tourism, heritage tourism	<ul style="list-style-type: none">- Promotion of livelihood and ecotourism for sustainable watershed management- Risk management in tourism and hospitality- Crisis innovation- Tourism resiliency- Green practices in tourism and hospitality organizations
General	Business education program curricular studies	<ul style="list-style-type: none">- Competencies of students: basis for curriculum revisit- OJT program evaluation- Legal office management- Career preferences of students- Relevance/impact of the academe- Marketing of curricular programs- Practices of schools offering business administration programs- Best curricular practices- Effectiveness of skills assessment- Determinants of employability of SMU graduates- Effectiveness of simulations- Stories of successful Bachelor of Science in Management Accounting Graduates of Saint Mary's University- Research competencies and attitudes
	Policy-oriented studies	<ul style="list-style-type: none">- Cost and benefit analysis of business/ accountancy programs- Business incubators- Relevance and effectiveness of open universities- Selective admission and retention policy, and student- Performance-based assessment system for adoption by HEIS- Needs assessment of indigenous people in Nueva Vizcaya- Needs assessment of micro, small, and medium enterprises (MSMES) in Nueva Vizcaya- Socio-economic studies on production and marketing efficiencies



Core Themes	Sub Themes	Specific Themes /Topics
	Research on quality and standards	<ul style="list-style-type: none">- Impact of community extension program- International partnership performance- Work and travel abroad program (WAT)
	Manpower demand and supply studies	<ul style="list-style-type: none">- Study on the manpower situation in key development areas (i.e. agriculture, manufacturing and trading)- Study on the international competitiveness of a Marian business professional- Work values of young professionals- Training needs of faculty: basis for professional development program
	Strategic management	<ul style="list-style-type: none">- Supply chain/value chain related issues- Competitive Strategy

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<https://www.dost.gov.ph/phocadownload/Downloads/Journals/Approved%20Harmonized%20National%20RD%20Agenda%20%202017-2022.pdf>

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School of Accountancy and Business Research Agenda



SCHOOL OF TEACHER EDUCATION AND HUMANITIES (STEH)
Research Agenda

I. CHRISTIAN FAITH EDUCATION RESEARCH AGENDA

Core Themes	Sub Themes	Specific Themes/Topics
Studies on Religious and Values Education	Spirituality	Spirituality as a University Concern
		Spirituality and Student Development
		Spirituality and Community Dynamics
		Critical Religious Education and the Transmission of Spiritual Values
	Religious Education	Religious Education and Students' Character Development
		Pedagogy of Inclusion and Christian Faith Education
		Pedagogical and Andragogical Approaches in Christian Faith Education
Studies related to New Testament Themes	Multi-faith Education	Teaching and Learning Approaches in a Multi-faith Classroom
		Relevance of Religious Education Curriculum to Multicultural Issues
	The Church in Action	Outreach in the Church: Then and Now
	The Role of Women	The Evolving Role of Women in the New Testament and Today
	Social Interactions in the Gospel	Exploring Jesus' social interactions in Mark's gospel for good leadership in the Marian community
Studies on Applied Theology	Peace Education	Experience of Peace along personal, relational and spiritual levels
	Scriptures	Role of Scriptures in Life of the Youth
	Missiology	Being a non-Catholic in the Catholic University
	Liturgy	Role of Music and Singing in the Liturgical participation of Students



II. Social Sciences and Philosophy Department

Core Themes	Sub Themes	Specific Themes /Topics
Politics and Governance	<ul style="list-style-type: none">- Strategic planning- Operations planning- Data management- Monitoring and evaluation- Policy research and development	<ul style="list-style-type: none">- Contingency planning among local government units- Risk-based thinking skills of LGU officials- Accounting and auditing practices of barangays- Efficiency of ordinance implementation- Organization management- public service needs and provision- practice of participatory, accountable and transparent governance- the workings and dynamics of democracy; the state, civil society and other stakeholders- people's participation and empowerment- Program-project and policy evaluation- Federalism and local autonomy- Local governance during the COVID 19 pandemic
Pedagogical Studies in Social Sciences and Philosophy	<ul style="list-style-type: none">- Social Studies Instruction during the Pandemic	<ul style="list-style-type: none">- Effectiveness of social studies modules for flexible learning- Technology (ICT) in online social studies learning- Online classroom management
	<ul style="list-style-type: none">- Social Studies Curriculum	<ul style="list-style-type: none">- Local history as form of localization- Profiling of community heritages- Effectiveness of spiral progression in social studies- Indigenization- Culturally responsive pedagogy- Peace Education
	<ul style="list-style-type: none">- Assessment in Social Studies	<ul style="list-style-type: none">- Flipped-classroom in social studies- Effectiveness of problem-based assessment



Core Themes	Sub Themes	Specific Themes /Topics
	<ul style="list-style-type: none">- Philosophy and Education- Ecopedagogy	<ul style="list-style-type: none">- Pedagogy of Inclusion and Distance Education- Ecopedagogical Approaches in Education
Socio-cultural Studies	<ul style="list-style-type: none">- IP Resilience during the pandemic- Ethics and the Pandemic- Cultural Mapping	<ul style="list-style-type: none">- Examination of different coping mechanisms of IP during the pandemic- Getting Vaccinated as an Ethical Imperative- Determination of the impact of the pandemic to the lives of the IPs/ICCs- Communication and learning challenges for IPs/ICCs during the pandemic- Intangible Cultural Heritages<ul style="list-style-type: none">- worldviews, rituals, beliefs, values, etc.- Tangible Cultural Heritages<ul style="list-style-type: none">- artifacts, clothing, economic tools, etc.- Environment<ul style="list-style-type: none">- Rivers, tourist spots, mountains, etc.
Gender Studies	<ul style="list-style-type: none">- Dynamics of Masculinity in the Society	<ul style="list-style-type: none">- Addressing the Dynamics of the Hegemony of Masculinity in the Society: Towards Gender Equality
Studies on Philosophy of the Human Person	<ul style="list-style-type: none">- Philosophy and Human Life	<ul style="list-style-type: none">- Philosophy as Living Wisely: Going Back to the Basics of Being Human

<https://www.adzu.edu.ph/research-agenda-2/>



III. PROFESSIONAL EDUCATION DEPARTMENT

Core Themes	Sub Themes	Specific Themes /Topics
Elementary Education	Early Childhood Education - Primary Education - Intermediate Education - Mother Tongue Based Multilingual Education	<ul style="list-style-type: none">- Kindergarten pedagogies in different learning environments- Understanding diversity of learners in various learning areas- Technological, pedagogical, and content knowledge (TPACK) in the various learning areas- Existing and emerging trends in teaching elementary pupils in various content areas- Teaching-and-learning process for elementary pupils during the pandemic- Appropriate assessment and evaluation tools in measuring learning outcomes of elementary pupils during the pandemic- Development of values and attitudes of pupils in distance learning modalities- Learning through play in home-based education- Parental support and functioning in home-based education- Behaviorist learning for children during the pandemic- Development of instructional materials (self-learning modules, learning activity sheets, course modules, etc.) for distance learning modalities- Challenges of implementing MTB-MLE in distance learning modalities- Significant others at home for pupils in distance learning- Shadow teaching of elementary pupils during the pandemic- Enablers and barriers of learning engagement in distance learning modalities- Designing, developing, implementing, and evaluating ICT tools in teaching and learning in various content areas- Issues of academic integrity in distance learning modalities- Well-being of elementary pupils, their parents, and teachers



Core Themes	Sub Themes	Specific Themes /Topics
		- Manifestations of compassionate teaching during the pandemic
Secondary Education	English Education - Filipino Education - Mathematics Education - Science Education - Social Studies Education - Physical Education - Religious and Values Education	- Understanding diversity of learners in one's specialization - Technological, pedagogical, and content knowledge (TPACK) in one's specialization - Existing and emerging trends in teaching secondary students in one's specialization - Teaching-and-learning process for secondary students during the pandemic - Appropriate assessment and evaluation tools in measuring learning outcomes of secondary students during the pandemic - Roles of significant others at home in distance learning modalities - Development of instructional materials (self-learning modules, learning activity sheets, course modules, etc.) for distance learning modalities - Enablers and barriers of learning engagement in distance learning modalities - Designing, developing, implementing, and evaluating ICT tools in teaching and learning in one's specialization - Issues of academic integrity in distance learning modalities - Well-being of secondary students, their parents, and teachers - Manifestations of compassionate teaching during the pandemic
Special Needs Education	- Inclusive Education - Special Education	- Understanding learners' diversity and individual learning characteristics - Existing and emerging trends in teaching learners with special needs - Appropriate assessment and evaluation tools in measuring learning outcomes of learners with special needs during the pandemic - Implementation of the components of special education - Typical and atypical learners' development



Core Themes	Sub Themes	Specific Themes /Topics
		<ul style="list-style-type: none">- Learning environments of learners with special needs during the pandemic- Curricular content knowledge of special needs education teachers- Behavior management and modification- Pedagogical knowledge in teaching learners with:<ul style="list-style-type: none">a. developmental disabilitiesb. sensory and physical disabilitiesc. emotional, behavioral, language and communication disabilitiesd. gifted and talented- Transition programs during the pandemic- Designing, developing, implementing, and evaluating assistive technologies in teaching and learning various content areas- Trauma-informed practices during the pandemic- Manifestations of compassionate teaching during the pandemic
Teacher Education	<p>Policy Orientation</p> <ul style="list-style-type: none">- Community-based Education- Educational Management	<ul style="list-style-type: none">- Perceptions, attitudes, and readiness of in-service teachers for flexible learning- Management strategies for teachers during the pandemic- Extent of online professional development of in-service teachers- Online bullying among teachers and students- Extent of school-budget cuts among private educational institutions- Ensuring equity in educational technologies in distance learning modalities- Service-learning opportunities- Curriculum design, development, and evaluation for distance learning modalities- Implementation of outcomes-based education for teacher education institutions



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IV. MATHEMATICS

Core Themes	Sub Themes	Specific Themes /Topics
Mathematics Education	- Mathematics Teaching & Learning	<ul style="list-style-type: none">Emerging trends in teaching mathematics during the now normal- Designing, developing, implementing, and evaluating ICT tools in teaching and learning mathematics- Appropriate assessment and evaluation tools in measuring learning outcomes of math learners during the pandemic- Enablers and barriers of learning engagement in distance learning modalities- Issues of academic integrity in distance learning modalities- Well-being of math learners, their parents, and teachers- Manifestations of compassionate teaching during the pandemic- Appropriate assessment and evaluation tools in measuring learning outcomes of mathematics students during the pandemic
	Educational Management	<ul style="list-style-type: none">- Extent of online professional development of math teachers

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University of the Immaculate Conception (n.d.). *Research agenda: Education program research*. <https://www.uic.edu.ph/cte/research-agenda/>

V. PSYCHOLOGY, HUMAN SERVICES AND SOCIAL WORK

Core Themes	Sub Themes	Specific Themes /Topics
Disaster Risk Management	<ul style="list-style-type: none">- Policy formulation- Community development- Prevention and mitigation- Public awareness	<ul style="list-style-type: none">- Development of risk management frameworks- Psychosocial determinants of vulnerability to disasters
Peace process and conflict resolution	<ul style="list-style-type: none">- Peace education	<ul style="list-style-type: none">- Challenges and effectiveness of the implementation of Peace Education in Higher Education Institutions
Families and community transitions	<ul style="list-style-type: none">- Drivers, processes and consequences of community transition- Changing family structure	<ul style="list-style-type: none">- Parent-school partnership during online learning-



Core Themes	Sub Themes	Specific Themes /Topics
Mental Health	<ul style="list-style-type: none">- Suicide and self-injurious behavior- Online gaming addiction- Covid-19 and mental health- Mental health during online learning	-
Thanatology	<ul style="list-style-type: none">- Psychological mechanisms on dealing with death and dying	<ul style="list-style-type: none">- Coping and grieving of family members experiencing Covid-related deaths: Its implication to family counseling

SOCIAL WORK

Core Themes	Sub Themes	Specific Themes /Topics
Social Welfare and Development	Children and Youth Welfare (Survival, Protection, Development) Social and	<ul style="list-style-type: none">• Children and Youth in Need of Special Protection<ul style="list-style-type: none">- Children in Conflict with the Law (CICL) and Children at Risk (CAR)- Violence against Children (VAC- RA 9262)- Children victims of abuse, exploitation, and discrimination (RA 7610, RA 8353, etc.)- Absence/ lack of children and youth residential care facilities- Early teenage pregnancy (high incidence in Region II)- Gender-based violence- Out of School Youth- Working students
	Women Welfare	<ul style="list-style-type: none">• Women in Especially Difficult Circumstances<ul style="list-style-type: none">- Violence against Women (VAW- RA 9262)- Gender-based violence• Gender and Development (GAD)



Core Themes	Sub Themes	Specific Themes /Topics
		<ul style="list-style-type: none">• Solo Parents
	Senior Citizens Welfare	<ul style="list-style-type: none">• Absence of residential care facilities for senior citizens in Region II• Elder Abuse Cases• Social Pension Program
	Persons with Disability Welfare	<ul style="list-style-type: none">• Limited access to education, training, and financial opportunities• Status of implementation of the Magna Carta for PWDs
	Family and Community Welfare	<ul style="list-style-type: none">• Street Families• Impact of COVID-19 to Families• Drug Abuse• Mental Health• Disaster-preparedness

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VI. LANGUAGES DEPARTMENT

A. Teaching English and English Language Studies

Core Themes	Sub Themes	Specific Themes /Topics
Linguistics	- Phonology	- Lectal Classifications of Indigenous People's Productions in the Target Language - Phonological Features in Speech Productions of L2 Speakers
	- Morphology/Lexis	- Emerging lexical features in social platforms
	- Syntax	- Emerging syntactic features in social platforms
	- Semantics	- Competence of L2 learners in semantics (e.g. Types of Meaning and Semantic Relations)
	- Non-Verbal Language/Paralinguistic Modes	- Non-Verbal Language/Paralinguistic Modes of Speakers of English in Various Contexts
	-	-
Sociolinguistics	- Attitude	- Attitudes of L2 Learners Towards Online/Flexible Learning
	- Domains of Use and Language Variation	- Domains of Use of English Among IPs and L2 Learners
	- Language Preference and Translanguaging	- Language Preferences of L2 Speakers in Online Discussions - Language Preferences of L2 Speakers in Social Media Platforms - Language Preferences of L2 Speakers in Casual Conversations
		- Translanguaging in Different Discourses
	Intercultural Communicative Competence (ICC)	- Students' and Teachers' ICC - Culture in the Classroom



		-
Strategic Competence	Communication Strategies	- Communication Strategies of L2 Learners in Different Forms of Communication and Platforms
	- Language Learning Strategies	- Language Learning Strategies of L2 Learners in Different Forms of Communication and Platforms
Core Themes	Sub Themes	Specific Themes /Topics
Discourse (Academic Discourse, EAPP and ESP)	- Written Discourse (texts and Genres)	- Features of Written Academic Discourses (Texts and Genres)
	Teaching English and English Language Studies	
	- Oral Discourse	- Features of Oral/Conversational Discourses
	- Discourse Styles	- Discourse Styles of Varied Writers in Different Discourses
	- Contrastive Rhetoric/Intercultural Rhetoric	- Contrastive Rhetoric/ Intercultural Rhetoric of Texts Written in English by Speakers of Other Languages or ESL Writers
	-	- Gender Differences in Oral Discourse
Pragmatics	- Speech Acts and Politeness	- Apology, politeness, thanking (gratitude), complaining, refusing, praising, etc.
	- Gender and language (GAD)	- Comparisons of language use among genders
	- Language and Power	- Linguistic Realizations of Power
First and Second Language Acquisition	- Stages and Milestone	- Language Productions of Language Learners in the Different Age Brackets
	- Causative Variables	- Causative Variables in SLA
	- Markedness	- Markedness in UG; Markedness in Language Productions of Speakers/Writers of English
Psycholinguistics	- Anxiety	- Test Anxieties of L2 Learners
	-	- Anxiety of L2 Writers of English
	-	- Anxiety of L2 Speakers of English



	- Learner Characteristics and Learning Processes	- Learner Characteristics and Learning Processes in ELT in different contests (e.g. in flexible learning, in remote learning)
	- Personality Factors	- Personality Factors Affecting Language Learning (e.g. Motivation, IQ, EQ, etc)
English Language Learning and Teaching	- Macro skills	- Teaching and assessment of the macro skills in relation to frameworks such as CEFR, PQF and AFREP, AQRF...

Core Themes	Sub Themes	Specific Themes /Topics
English Language Learning and Teaching	ELT and Technology	- The role of technology in ELT, Preferences of L2 Learners of Technological Tools in ELT
	Teaching English and English Language Studies	Theory and Practice; Alignment of Content, Methods and Assessment, etc.
World Englishes	Philippine English (PE)	- Features of PE
	Other Englishes	- Comparison of PE with other varieties
	Codification	- Codification of IP Languages in the Region (02)
Literature	Literary Competence	- Literary Competence of Students
	Literary Criticism (including GAD)	- Literary Analysis of the Different Literary Texts and Genres
Stylistics	Stylistic Analysis	- Stylistic analysis of texts and genres (in Literary, in Academic and non-academic Texts)
Forensic Linguistics	Ambiguity	- Ambiguities in policies, manuals, etc.
	Authorship	- Authorial profiling
	Product Warnings	- Evaluation of product warnings
	Easifying language	- Easifying language in contracts, product labels and directions, and other legal documents



Other Branches of Linguistics	Corpus Linguistics	- Doing Linguistics with a Corpus/Sets of Corpora
	Translation Studies	- Translating Texts from Other Languages to English and Vice Versa
	Language Planning and Language Policies	- Extent of compliance of the school to national and international policies/standards

ADYENDA SA PANANALIKSIK SA LARANG NG FILIPINO

Ang sumusunod na disiplina sa larang ng Filipino ay maaaring pagtuonan ng pansin sa pananaliksik:

Core Themes (Paksa)	Sub Themes (Tema)	Tiyak/Ispesipikong Larang
Wikang Filipino	Pagpapayabong/Pagpapabulas ng wikang Filipino	Dekolonyalisasyon/Estandardisasyon / Modernisasyon ng wikang Filipino McDonaldisasyon/Filipinasyon ng wikang Filipino
	Ortograpiyang Pambansa	Paggamit/Pagtanggap/Kahandaan sa Ortograpiyang Pambansa Gramatika (Oral na Paggamit) ng mga kabataan sa wikang Filipino sa kasalukuyang panahon
	Umuusbong na wika	Gramatika (Pasulat na Paggamit) ng mga kabataan sa wikang Filipino sa kasalukuyang panahon Paggamit ng mga baryabilidad wikang Filipino sa npasalita at pasulat na pamaraan
	Baryabilidad ng wika	Pagpapasigla (Reviving) ng mga wikang katutubo sa Pilipinas



Katutubong Wika	<p>Nanganganib na mga wikang katutubo sa Pilipinas</p> <p>Ponolohiya ng mga wikang katutubo</p> <p>Morpolohiya ng mga wikang katutubo</p> <p>Estruktura ng wikang katutubo</p> <p>MTB-MLE (Paggamit at Pagtuturo)</p>	<p>Dalumat- wika tuon sa ponolohiya ng mga wikang katutubo</p> <p>Dalumat – wika tuon sa mga morpolohiya ng mga wikang katutubo (Morpho-analysis)</p> <p>Pagsusuring estruktural ng mga wikang katutubo sa bansa</p> <p>Paggamit ng katutubong wika sa pagtuturo</p> <p>Mga estratehiya sa pagtuturo ng gamit ang MTB-MLE</p>
Panitikan	<p>Pagsasalin</p> <p>Pagtitipon (Gathering) ng mga panitikang katutubo/rehiyonal</p>	<p>Pagsasalin ng mga panitikang katutubo</p> <p>Pagsasalin ng mga panitikang asyano / pandaigdig</p> <p>Pagtitipon at pagsasalin ng mga panitikang katutubo</p> <p>Pagsasadokumento ng mga literaturang pambansa/katutubo</p> <p>Pagsulat/Pagtitipon ng mga bagong genre ng panitikang Pilipino</p>



	Dokumentasyon (Literature documentation) Genre ng panitikan Genre ng panitikan – analisis/pagsusuri	Pagsusuring pampanitikan ng mga bagong anyo ng panitikang Pilipino (Dagli, 6word, spoken poetry, tula sa dula, dulaang patula, 100 word story, atbp)
Wika at Panitikan sa Pagtuturo at Kagamitang panturo	Pagtuturo at kagamitang panturo	Pagbubuo ng mga kagamitan sa mga tiyak na asignatura sa Filipino Mga pamaraan, estratehiya at dulong sa pagtuturo ng Filipino sa kasalukuyang panahon
*Ang mga disiplina ng nabanggit sa larang ng Filipino ay sunod/batay sa pokus ng Komisyon sa Wikang Filipino na ngayong taon ay nagtutuo sa wikang katutubo at pagpapabulas ng wika at panitikan.		

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Language Policies in the Philippines from <https://ncca.gov.ph/about-ncca-3/subcommissions/subcommission-on-cultural-disseminationscd/language-and-translation/language-policies-in-the-philippines/>
Sustainable Development Goals from <https://www.undp.org/sustainable-development-goals>

B. Journalism and Communication

Core Themes	Sub Themes	Specific Themes/Topics
Journalism, Mass Media, and Communication Research	- Digital Literacy	<ul style="list-style-type: none">- Online Engagement and Communication- Digital Citizenship- Online Research Methodologies- Policy & Pragmatic Implications of Cyber Issues- Digital Citizenship- Digital Technology and Democracy- Online Identities- Online Crisis Management- Information and Communication Technology- Online Identities- Political Discourse and the Online Public Sphere
	- Media/Communication Education	<ul style="list-style-type: none">- Pedagogies in Media Education- Understanding and Opposing Fake News and Propaganda
	- Advocacy campaigns	<ul style="list-style-type: none">- Advocacy Campaign and News Frames of Peace Issues- Development Communication- Risk Disaster Management, Climate Change- Environmental Journalism



Core Themes	Sub Themes	Specific Themes/Topics
	- Mass Media Laws and Ethics	- Copyrights and Intellectual Property - Data Privacy - Journalism Ethics - Understanding and Opposing Fake News and Propaganda - Advocacy Campaigns & News Frames of Peace Issues - Policy & Pragmatic Implications of Cyber Issues
		-
	- Peace Process and Conflict Resolution	- Safety of Journalists - Peace Journalism - War Journalism
	- Graduate Tracer Studies	-

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VII. PHYSICAL EDUCATION DEPARTMENT

Research Agenda

Core Themes	Sub Themes	Specific Themes /Topics
Pedagogical Studies in Physical Education	- Physical Education Instruction during the Pandemic	<ul style="list-style-type: none">- Effectiveness of PE modules for flexible learning- Technology (ICT) in online physical education learning- Online classroom management
	- Physical Education Curriculum	<ul style="list-style-type: none">- Analysis of the Instructional Objectives Used by the Physical Education in the Teaching of Physical Education- Documentary Analysis of the Formulated Behavioral Objectives in Physical Education by the Physical Education teachers- The Physical Education competencies in the three levels of education: Extent of Compliance among Physical Education Teachers- Peace Education
	- Assessment in Physical Education	<ul style="list-style-type: none">- The Conduct of Practical Examination in PE as main assessment in the skill-based lessons.- Effectiveness of self-made videos as instructional material in Teaching PE
	- Learners Experiences, Perception and Development	<ul style="list-style-type: none">- Self - assessment of the competencies of the BPED students towards the enrichment of the existing BPED curriculum



Core Themes	Sub Themes	Specific Themes /Topics
		<ul style="list-style-type: none">- BPED as a Career Choice among Senior High School Students and the Factors that Affected their Career Choice- The Use of Lead-up Games in Enhancing Volleyball Skills- The Difficulties and Intervention of Senior High Physical Education Teachers for Low Performing Students in the New Normal as Compared to Face-to-Face Learning- Stress and Coping Strategies of Senior High School Students in Learning Physical Education in the New Normal- Academic Motivation of Senior High School students in a Private School in learning Physical Education in the New Normal
Organization	<ul style="list-style-type: none">- Strategic planning- Operations planning- Monitoring and evaluation-	<ul style="list-style-type: none">- The Extent of Awareness of Physical Education teachers of the Organizational Structure of their PE Program.- The Functionality & Efficiency of the SMU's PE Organization & Structure.- The Organization & Structure of PE in the Elementary Schools in the District of Bayombong.- The Extent of Compliance of Private Schools of Nueva Vizcaya to the Sports Meet Conducted by DepEd Region 2.- Management of School PE Program during the COVID 19 pandemic

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TEACHERS TO PRINCIPALS

VIII. BS Criminology and & B Forensic Science

CORE THEMES	SUB THEMES	SPECIFIC THEMES/TOPICS
Criminology	<ul style="list-style-type: none">• Law Enforcement Administration	<ul style="list-style-type: none">✓ Management Operation of Law Enforcement Agencies✓ Best Practices of Law Enforcement Agencies✓ Comparative Policing✓ Industrial Security✓ Crime Mapping✓ Employment of Graduates in related agencies
	<ul style="list-style-type: none">• Criminal Sociology	<ul style="list-style-type: none">✓ Juvenile Delinquency✓ Criminal Behavior✓ Victimology✓ Crime Witnesses✓ Theories of Crimes✓ Crises Management✓ Professional Conduct and Ethical Behavior of Government/Law Enforcement Agencies
	<ul style="list-style-type: none">• Criminalistics, Crime Detection and Investigation	<ul style="list-style-type: none">✓ Best Practices and Lapses of Criminal Investigation Process✓ Traffic Management and Violations✓ Factors and Adverse Effects of Vice and Drugs
	<ul style="list-style-type: none">• Correctional Administration	<ul style="list-style-type: none">✓ Institutional Correction✓ Non-Institutional Correction



		<ul style="list-style-type: none">✓ Therapeutic Modalities✓ Dispute Resolution
	<ul style="list-style-type: none">• Criminal Law and Jurisprudence	<ul style="list-style-type: none">✓ Best Practices and Loopholes of the Criminal Justice System and the Law✓ Barangay Justice System✓ Restorative Justice System✓ Human Rights✓ Implementation of Laws✓ Court Practices
Forensic Science	<ul style="list-style-type: none">• Criminalistics, Crime Detection, and Investigation	<ul style="list-style-type: none">✓ Sexual Crimes✓ Crime Mapping✓ Investigation Techniques and Processes✓ Firearms and Explosives✓ Toxicology✓ Arson Cases✓ Computer Crimes✓ Human Rights Violations✓ Crime Factors and Effects✓ Cases Studies
	<ul style="list-style-type: none">• Criminal Sociology	<ul style="list-style-type: none">✓ Criminal Psychology✓ Domestic Violence✓ Victimology✓ Crime Witnesses✓ Criminal Behavior✓ Advantages of Forensic Science✓ Need for Forensic Science Experts in the Country✓ Employment of Forensic Science Graduates
	<ul style="list-style-type: none">• Criminal Law and Jurisprudence	<ul style="list-style-type: none">✓ Effectiveness and Efficiency of Laws in Crime Prevention✓ Laws governing investigators and forensic science experts



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SCHOOL OF GRADUATE STUDIES

RESEARCH AGENDA
2021 – 2026

GENERAL CATEGORIES / KEY AREAS	TOPICS	PROGRAM CLUSTERS
1. Science, Mathematics and Technology	<ul style="list-style-type: none">• Biodiversity and remediation• Environmental awareness, monitoring, protection, management and conservation• Climate change adaptation and mitigation• Disaster risk reduction and management• Natural resources and alternative energy sources• Protecting cultural heritage through science and technology• Ecological economics• Biologically active components of plants• Pharmacological characteristics of natural products• Systematics and taxonomy• Ethnobotany• Mathematical models of scientific phenomena• Environmental threats to health• Occupational Health• Other related studies	Biology Physics Chemistry Mathematics Management Engineering Business Library Science Social Studies Public Administration and Governance



GENERAL CATEGORIES / KEY AREAS	TOPICS	PROGRAM CLUSTERS
2. Education, Education Management and Teacher Training	<ul style="list-style-type: none">• Curricular program studies• Student assessments• Indigenous people's education• International benchmarking• Proficiencies of students and professionals in the academe• Effectiveness of instructional materials and strategies• Teaching and learning styles• Studies on special children• Best practices in management• Impact of professional trainings• Competitiveness of curricular programs• Tracer Studies• Curriculum Mapping• Instructional Approaches that Work for 21st Century Classrooms• Promoting Divergent Thinking• Bridging the Gaps between the Real and the Abstract• Aligning Standards and Assessments with Focus on Formative Assessment Tools and Strategies• Inclusive Education• Lifelong Learning• Other related studies	Teacher Education Educational administration and management Guidance and Counseling Social Studies Languages (English and Filipino) Biology, Physics and Chemistry Education Mathematics Education Business IT Management Engineering
3. Language, Literature and English Language Teaching	<ul style="list-style-type: none">• Socio-linguistic researches• Emerging issues in Philippine and Asian Englishes vis-à-vis standard English (Studies in World Englishes)	Language (English and Filipino) Social Studies



GENERAL CATEGORIES / KEY AREAS	TOPICS	PROGRAM CLUSTERS
	<ul style="list-style-type: none">• Multilingual Studies• Language and culture• Linguistic Studies• Language Acquisition• Communicative Competence• Discourse Analysis• Psycholinguistic Studies• Stylistic Analysis• Forensic Linguistics• Corpus Linguistics• Translation Studies• Language Policies and Language• Planning• Other related studies	Educational management Teacher education
Health Science and Health Profession	<ul style="list-style-type: none">• Evidence-based researches• Sports science researches• Health communications• Psychology of the sick and the aged• Health research policy formulation• Immunology• Epidemiology• Socio-economic factors affecting health care services• Maternal and Child Health• Care for Adult Health	Nursing Education Physical Education Guidance and Counseling Social Studies



GENERAL CATEGORIES / KEY AREAS	TOPICS	PROGRAM CLUSTERS
	<ul style="list-style-type: none">• Responsive Health Systems (health governance, health information systems, health service delivery, health human resources, health research management)• Mental Health	
5. Information and Communication Technology	<ul style="list-style-type: none">• Use and function of ICT• Analysis of existing systems, design of a new system, development and evaluation of programs• Social dimensions of adoption of ICT in individuals, organizations and communities• Information and Communications Technologies for Health	Information Technology Management Engineering Teacher Education Business Library Science
6. Social Sciences	<ul style="list-style-type: none">• Public Opinion• Cultural Studies (Studies in Folk Literature, Beliefs, Cultural Traditions, and Practices)• Popular Culture• Influence of Media• Political Communications• Historical research, site documentations and cultural profiling and heritage mapping• Heritage, Tourism and Development• Conservation of material culture• Media (Film, TV, radio) convergence in popular culture• Museum studies, curatorship and museology• Peace and Peace Education• Conflict Resolutions	Communication Arts (English and Filipino) Nursing Education and Administration Social Studies Public Administration and Governance Library Science



GENERAL CATEGORIES / KEY AREAS	TOPICS	PROGRAM CLUSTERS
7. Institutional Oriented Studies	<ul style="list-style-type: none">• Quality Assurance Mechanisms• Departmental Program Evaluations/Assessments• Leadership Styles	All programs
8. Business, Industries and Commerce	<ul style="list-style-type: none">• Foreign Debt Issues• Monetary Policies• Corporate social responsibility in developing economies• Technology development and economic performance• Entrepreneurial models• Trade and import liberalization issues• Economics of business and industries in the region• Product development and branding in the region• Hotel and restaurant management studies• Monitoring of how SDGs are implemented in communities• Management of Cooperatives• Risk Management Practices• Monitor Sustainable Impacts for Sustainable Tourism	Business Administration Accountancy Business Management Management Engineering
9. Public Administration and Governance	<ul style="list-style-type: none">• Management of public information and technology• Governance and politics in LGUs• Critical analysis of concepts, practices and systems in public management and governance• Public opinion and mass media• Policy planning, formulation, implementation and evaluation in governance• Culture of corruption	Social Studies Library Science Management (Business, Public Administration and Engineering)



GENERAL CATEGORIES / KEY AREAS	TOPICS	PROGRAM CLUSTERS
	<ul style="list-style-type: none">• Best practices in public administration and governance• Heritage philosophy, management, conservation and utilization• Peace process and conflict resolution• Sustainable Public Procurement Practices	
10. Gender, Population and Development Studies	<ul style="list-style-type: none">• Women in power• Gender issues in literary pieces• Media, culture and gender• Gender themes in TV and films and literature• Economics of poverty• Poverty alleviation and sustainable development• Poverty issues• Family and child studies• Gender Equality• Women Empowerment• Overseas Filipino workers' issues	Languages (English and Filipino) Guidance and Counseling Social Studies Business Management Public Administration and Governance Nursing Education and Administration

References:

Department of Science and Technology (DOST) Harmonized Research Agenda
National Economic Development Authority (NEDA) Region 02. Regional Research and Development Agenda 2016-2022.
National Higher Education Research Agenda 2 (NHERA2)
Philippine Council for Health Research and Development of the Department of Science and Technology.
Philippine Development Plan 2017-2022
Philippine National Health Research System (PNHRS). National Unified Health Research Agenda 2017-2022.
Sustainable Development Goal



SAINT MARY'S UNIVERSITY

BAYOMBONG, NUEVA VIZCAYA, PHILIPPINES

TTBDO Updates

4th RCDC Meeting

Second Semester SY 2023 – 2024

Coverage: Dec 10, 2023 – Jan 30, 2024

Inspired by Mission, Driven by Excellence





SAINT MARY'S UNIVERSITY
BAYOMBONG, NUEVA VIZCAYA, PHILIPPINES

TECHNOLOGY TRANSFER



DATE: Dec 14, 2023

EVENT: 4th Quarter Provincial MSME Development Council (PMSMEDC) Meeting

***Chairman:** Pres. John Octavious S. Palina

REMARKS: Presents TTBD Os Progress and Activities towards helping our community – Micro, Small, Medium Enterprises (MSMEs)

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BAYOMBONG, NUEVA VIZCAYA, PHILIPPINES

TECHNOLOGY TRANSFER



SAINT MARY'S UNIVERSITY
BAYOMBONG, NUEVA VIZCAYA, PHILIPPINES

MINDSET Startup Challenge 2024

MINDSET: **M**arian Youth Inspired
and **S**kills to Become the **E**ntre



SAINT MARY'S UNIVERSITY
BAYOMBONG, NUEVA VIZCAYA, PHILIPPINES

Organized



IMPORTANT DATES:

- F2F Pre-conference: Jan 25, 2024
- Deadline of Submission: **Jan 29, 2024**
- Top 20 Startups Announcement: Feb 2, 2024
- Marian Innovation Week: Feb 5 – 8, 2024
- Top 10 Startups Announcement: Feb 7, 2024
- TOP 3 Awarding Ceremony: Feb 8, 2024

Inspired by Mission, Driven by Excellence



F2F Pre-conference

LAUNCHING DATE: Jan 12, 2024

EVENT: Marian Innovation Week

STATUS: Ongoing, **only 5 startup submissions but there were almost 25 teams in the F2F pre-conference (77 Marian attendees)**

Proposal: Extension until Feb 3 (Saturday)?

QUERIES:

1. Top 4-10 Prize of P3000 will still be used to further improve the startup?
2. What will happen if the faculty mentor is not present in the pitching competition? Is online mentorship possible?



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OTHER UPDATES: INTERNATIONALIZATION

DATE: Dec 19, 2023

EVENT: Intensifying the Internationalization Initiatives of Higher Education Institutions of Region 2

REMARKS: The said event focused on various international capacity building engagements such as WURI, QS Ranking, and others.





OTHER UPDATES: BENCHMARKING



to augiesoliman@hytecpower.com

Greetings from Saint Mary's University, Gov. Augie,

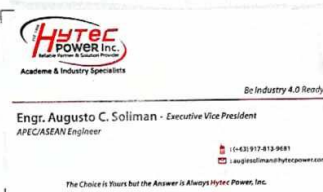
Thanks for the time spent in our initial meeting. Concerning the scheduled visit on December 3, 2023, I found out that it falls on a Sunday. Can we schedule this on December 5? We'll attend a meeting on the 4th of December.

Regards,
John Octavious S. Palina
[ReplyForward](#)

Hi Dr Palina.

Thanks for your email. Yes, we can do it on December 5. Please let us know where we should pick you up in coming to our office/facilities.

Best Regards,
Augie



To: Engr. Camila -

Pls. take advantage
of this benchmarking
activity that's offered
to SMU for faculty/DHs
in CE, ECE & EE. Pls.
discuss this w/ your
sup. VP for the
names of Jaxs. Tg,
12/01/23

EVENT:

- Potential to open BS Mechanical Eng'g, BS Manufacturing Eng'g, BS Industrial Eng'g, and Mechatronics at SMU in partnership with Hytec Power, Inc.
- Potential Supplier for our Php 5M Project ARTIC and Php 4.5M DTI SSF Expansion Projects
- MOA ongoing review by Atty. Galima

REMARKS: See attachments for details

Link:

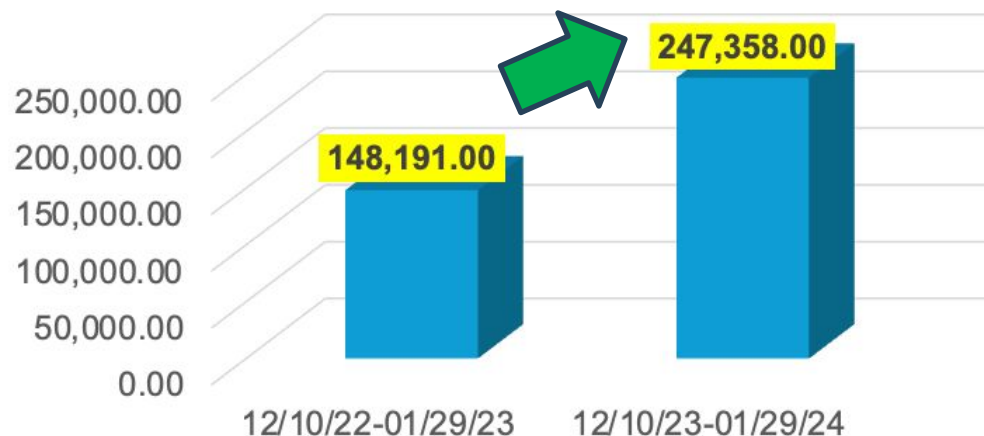
https://drive.google.com/drive/folders/1GluiFKcZW1AJulHCL99MRM7gadJiZmKm?usp=share_link





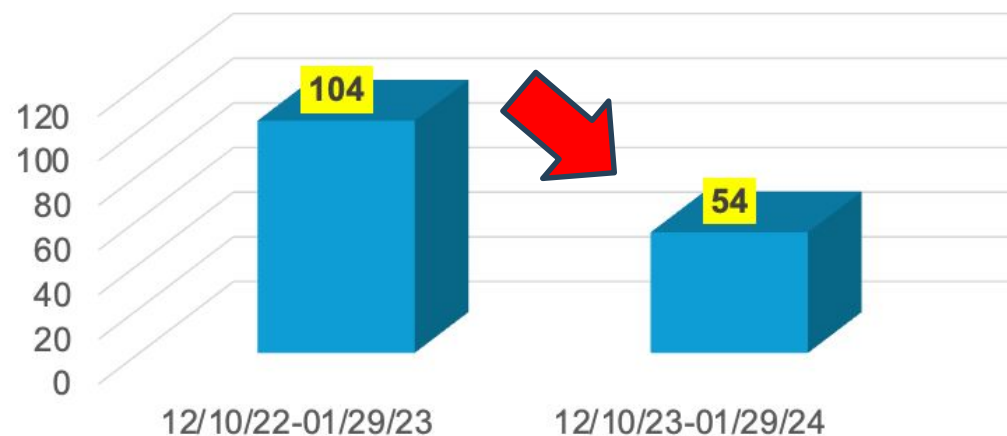
BUSINESS DEVELOPMENT

REVENUES from Dec 10, 2022 to Jan 29, 2023
vs Dec 10, 2023 to Jan 29, 2024



Revenue Growth Rate: $\uparrow 67\%$

CLIENTS SERVED from Dec 10, 2022 to Jan 29, 2023
vs Dec 10, 2023 to Jan 29, 2024



Clients Served Growth Rate: $\downarrow -48\%$

TOTAL REVENUES: 2,980,490.82

TOTAL CLIENTS SERVED: 1,306

MSMES VISITATION RATE AS PER SSF: 33/633 (5.2%)

















SAINT MARY'S UNIVERSITY
BAYOMBONG, NUEVA VIZCAYA, PHILIPPINES

BUSINESS DEVELOPMENT



NEW PRODUCT/SERVICE OFFERINGS

-  **SPRAY DRYING SERVICE**
-  **PURE CALAMANSI POWDER**
-  **CALAMANSI W/ TURMERIC, GINGER & SWEETENER POWDER**
-  **GUYABANO POWDER**
-  **KAMATIS POWDER**
-  **LEMON POWDER**
-  **CITRUS POWDER**
-  **LASER CUTTING/ENGRAVING**
-  **STAINLESS STEEL TUMBLERS**
-  **SUBLIMATION SERVICE**
-  **CERAMIC AND MAGIC MUGS**
-  **GLASS PLAQUES**



SAINT MARY'S UNIVERSITY

BAYOMBONG, NUEVA VIZCAYA, PHILIPPINES

***"The best way to predict
the future is to create it." -
Peter Drucker***

Fact: *Peter Drucker (1906-2005)* was a renowned management consultant, educator, and author. Known as the *"father of modern management,"* he made significant contributions to the fields of management theory and business philosophy.

-Thank you-

Inspired by Mission, Driven by Excellence



SSF FORM 06
MEMORANDUM OF AGREEMENT¹
ON THE
SHARED SERVICE FACILITIES (SSF) PROJECT

KNOW ALL MEN BY THESE PRESENTS:

This agreement is made and entered into by and between:

The **DEPARTMENT OF TRADE AND INDUSTRY – REGIONAL OFFICE 02**, a government agency duly organized and existing under the laws of the Republic of the Philippines, with principal office address at #11 Dalan Na Pappabalo, Regional Government Center, Carig Sur, Tuguegarao City, Cagayan, represented herein by Romleah Juliet Pulido Ocampo, CESO III, Regional Director, and hereinafter referred to as "DTI-REGION 02",

-and-

The **SAINT MARY'S UNIVERSITY**, a registered Academic Institution with the Securities and Exchange Commission (SEC) with Registration No.: 3947 and principal office address at Ponce St., District IV, Bayombong, Nueva Vizcaya, represented by its University President, Dr. John Octavious S. Palina, and hereinafter referred to as the "COOPERATOR",

-WITNESSETH-

WHEREAS, to address the gaps and bottlenecks in the value chain of priority industry clusters, provide an integrated package of services including enhanced marketing approaches relevant to the maturity of the micro, small and medium enterprises (MSMEs) and the target markets, and develop priority and market-driven industries, the "SSF Project" was established for the purpose, with DTI serving as Implementing Agency;

WHEREAS, in the implementation of the said Project, the parties concerned shall be guided by applicable provisions of the 2020 and 2021 General Appropriations Act, DBM-DTI Joint Circular No. 2014-1 dated October 9, 2014 and DTI Memorandum Order No. 21-1095, Series of 2021;

WHEREAS, **SSF** shall refer to a set of machinery, equipment, tools, systems, accessories, and other auxiliary items that may be required for a duly prescribed purpose, to be managed by a COOPERATOR for the common use of qualified beneficiaries;

WHEREAS, "**BENEFICIARY**" shall refer to the actual and potential user of the SSF which shall include cooperatives, associations or groups of MSMEs, individual MSMEs, individual entrepreneurs, students, trainees, teachers and researchers;

WHEREAS, "**COOPERATOR**" shall serve as an SSF partner, which maybe a juridical entity, such as but not limited to national government agencies (NGAs), non-government organizations (NGOs), people's organizations, cooperatives, industry/trade/business associations, local government units (LGUs), state universities/colleges, technical vocational schools, and other similar government academic and training institutions;

WHEREAS, the **SSF Project** encourages the graduation of COOPERATORS, especially MSMEs to the next level where they could tap a better and wider market and be integrated into the global supply chain;

WHEREAS, pursuant to the applicable provisions of the existing relevant SSF Circulars/Guidelines, "DTI-Region 02" has pre-evaluated and identified the "COOPERATOR" herein as qualified to manage a SSF to be established at Technology Transfer and Business Development Office (TTBDO), Saint Mary's University, District IV, Bayombong, Nueva Vizcaya for the Processed Food Industry/Sector;

¹ Per Section 5.8.4.2. of DTI M.O. No. 21-1095, Series of 2021

WHEREAS, the “COOPERATOR” herein has expressed its willingness to undertake the management of the aforementioned SSF;

NOW, THEREFORE, for and in consideration of the foregoing premises and of the mutual covenants and stipulations hereafter set forth, “DTI-Region 02” and the “COOPERATOR” hereby agree to enter into this Memorandum of Agreement (MOA), subject to the following terms and conditions:

I. THAT the SSF Project is briefly described as:

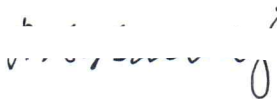
- 1. Project Title: Processed Fruit Toll Packaging Center
- 2. Specific Site/Location: Technology Transfer and Business Development Office (TTBDO), Saint Mary’s University, District IV, Bayombong, Nueva Vizcaya
- 3. Beneficiaries: The actual and potential user may avail the said SSF facility
- 4. Cost Estimate:

PARTY	ITEM	UNIT COST	TOTAL COST
DTI	1 Unit – Automatic Form Fill Sealing Machine for 3 Sides (for powder/granules products)	₱ 206,460.00	₱ 206,460.00
	1 Unit – Horizontal Band Sealer	16,856.25	16,856.25
	1 Unit – Vacuum Packaging Machine	35,898.00	35,898.00
	1 Unit – Chest Type Freezer	22,678.47	22,678.47
	1 Set – Spray Dryer Machine	888,888.00	888,888.00
	SUBTOTAL	₱ 1,170,780.72	₱ 1,170,780.72
COOPERATOR	• Assets		
	• Building or Facility (estimated value on the area designated for the SSF equipment)	₱ 562,130.33	₱ 562,130.33
	• Working Capital		
	• Start-up expenses	100,000.00	100,000.00
	SUBTOTAL	₱ 662,130.33	₱ 662,130.33
TOTAL		₱ 1,832,911.05	₱ 1,832,911.05

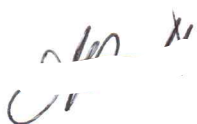
5. Brief Description of the SSF Project:

Developing a packaging service provision will provide a much-needed boost to the packaging requirements of local micro-, small-, and medium- enterprises (MSMEs) in the province. This will not only lend affordability in the labeling requirements of the stakeholders in the processed food sector but will likewise improve the feasibility of these local products to market channels thereby strengthening MSMEs in the entire province.

The establishment of a Processed Fruit Toll Packaging Center will pacify the effects of market failures existing in the province’s processed food sector. This is one of the solutions in bridging the gap of local MSMEs in penetrating potential markets (e.g. groceries, malls, exportation).







6. Benefits:

This proposed project will contribute to a positive impact on the clients' socio-economic status since it expects to generate more employment, create new business ventures, and improve business conditions of existing MSMEs.

Important as it is, packaging center are expensive or costly for local MSMEs from agro produced to processed food sectors in the province. A comprehensive review of the true value of packaging and services can place the proposed SSF in the right perspective. In fact, views are emerging that in the long run, packaging services could help address the opportunity loss for local products. An increased understanding on the protective and marketing functions of packaging and a better appreciation of the economics of its use can help promote the use of a standard packaging requirements in accordance with existing laws and consumer trends in the province. Advances in packaging services will not only lead to improved product competitiveness but also address an equally important concern in the province: that of livelihood enhancement of micro entrepreneurs through enhanced market access and integration into sustainable value chains.

II. THAT "DTI-Region 02" shall have the following rights, duties and responsibilities:

1. Initiate procurement of SSF necessary for the setting up of the Project in accordance with the provisions of the Republic Act 9184, otherwise known as the "Government Procurement Reform Act", its Implementing Rules and Regulations, and other applicable guidelines and issuances;
2. Inspect the SSF upon delivery by the supplier to ensure that they meet all the specifications as defined in the DTI Purchase Request Form. This shall be done in the presence of the representative of the "COOPERATOR";
3. Turn over the duly inspected SSF to the project site designated by the "COOPERATOR" and have the same received and acknowledged in writing by the "COOPERATOR";
4. Ensure that the machinery/ equipment will not be released to the Cooperator unless this MOA and the Usufruct Agreement are signed and executed by all the parties thereto.
5. Grant the "COOPERATOR" the use of the SSF free of charge subject to the terms and conditions of applicable laws, SSF guidelines, this MOA, and Usufruct Agreement;
6. Secure an insurance for a period of two (2) years from date of delivery of the SSF, to cover loss or damage caused by fire, theft, earthquake, lightning, floods, and other Acts of God;
7. Conduct quarterly on-site inspection and monitoring of the condition of the SSF in order to promptly identify any problem and accordingly come up with the appropriate or needed remedial measures. This shall be reflected in the Manual of Operations to be prepared by "DTI-REGION 02" and the "COOPERATOR";
8. Monitor and evaluate the operations of the SSF project, particularly in terms of production and financial condition thereof. The reports thereon shall be submitted by "DTI-NV" to "DTI-REGION 02" for consolidation purposes;
9. Provide, when necessary, additional technical support capacitating the "COOPERATOR" to sustainably manage and operate the SSF in accordance with the objectives of the Project;
10. Institute the appropriate actions against the COOPERATOR, including suspension, termination or institution of legal action, the legal cost therefor shall be borne by the "COOPERATOR", in case of: (a) misuse/abuse of the SSF; and/or (b) non-

compliance or default by the "COOPERATOR" of any of the provisions of applicable SSF guidelines, this MOA, Usufruct Agreement, Manual of Operations, Business Plan, and/or any other agreements in accordance thereto; hereof or misuse or abuse of the SSF; and

11. Before the termination of the SSF project, assess whether the "COOPERATOR" has operated the SSF successfully subject to applicable SSF and COA guidelines;

III. THAT the rights, duties and responsibilities of the "COOPERATOR" shall be as follows:

1. Provide the necessary funds and facilities to house the SSF and other support facilities such as power, as well as working capital and personnel;
2. Pre-qualify and submit the names of the beneficiaries to "DTI-NV";
3. Assign or designate a representative to witness the inspection by "DTI-NV" of the SSF delivered by the supplier;
4. Acknowledge in writing the receipt of the SSF from the "DTI-NV" to its designated project site, through an Acknowledgement Receipt, as prescribed by the existing SSF guidelines;
5. Assume full responsibility and accountability once the deliveries of equipment have started and duly accepted from the "DTI-NV";
6. Operate and manage the SSF in accordance with existing laws, SSF Circulars/Guidelines, Manual of SSF, this MOA, Usufruct, Business Plan, and/or any other agreements in accordance thereto
7. Recognize DTI's ownership of the SSF;
8. Conduct and shoulder expenses for periodic preventive maintenance work and repair to keep the SSF in good working condition;
9. Take care of the SSF as good father of the family and ensure its protection from loss or damage under any circumstance, including during and after the occurrence of a fortuitous event;
10. Shall not lease, mortgage, sell, transfer, or dispose of the SSF subject hereof;
11. May opt to take out an insurance within the period of the Usufruct Agreement to cover loss or damage with prior coordination to DTI;
12. Submit promptly to "DTI-NV" the required monthly SSF reports in accordance with the existing SSF guidelines and schedule set forth in the Manual of SSF Operations;
13. In the event of non-compliance, return the subject SSF to "DTI-NV", without need of demand, in good working condition save for the wear and tear arising from its normal use. In case of deterioration thereof due to abuse, misuse, fraud or negligence on its part, it shall indemnify DTI for any and all expenses that may be incurred to restore the SSF to its working condition.

IV. THAT "DTI-REGION 02" and the "COOPERATOR" shall jointly prepare and approve a Manual of Operations, which shall include, among others, the following:

1. Project Description to include Project Title, Cooperator, Project Location, Project Rationale, Description of Services/ Products Offered, Contact Information);
2. Organizational/functional structure of the SSF Project;
3. Schedule of Operations; Procedure of accessing for the services or benefits of the SSF;
4. Schedule of fees which balances the need for sustainability and affordability;

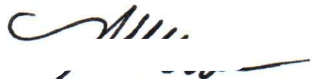
5. Promotion/Marketing Plan to promote the use of facility, especially to other industry stakeholders;
 6. Financial Plan;
 7. Production Plan;
 8. Sustainability Plan;
 9. Reportorial procedures; and
 10. Measures to recover expenses incurred for the misuse or abuse of the SSF by the BENEFICIARY;
- V. THAT this Memorandum of Agreement shall be effective upon the date of its execution and shall remain in force and effect until the usufruct of all SSF equipment have been terminated.
- VI. THAT the DTI may either: (i) transfer ownership of the SSF to the "COOPERATOR" upon demonstrating successful management of the facilities; (ii) extend the usufruct for another two (2) years if the "COOPERATOR" needs additional period to establish the successful operation of the SSF; or (iii) transfer the management of the SSF to another Cooperator for failure to secure, operate, properly maintain, or repair the SSF equipment upon its acceptance.
- VII. THAT the operation of the SSF may be considered as successful based on any of the following criteria:
- i. At least 10% increase in the number of beneficiaries assisted; or
 - ii. At least 10% increase in sales and/or income generated.
- VIII. THAT the grounds for the termination/pre-termination of this MOA shall be as follows:
1. Upon mutual written consent of the PARTIES upon 30 calendar days prior written notice;
 2. Default or Non-performance by the "COOPERATOR" of its prescribed obligations, duties and responsibilities;
 3. Non-compliance or default by the "COOPERATOR" with any of the provisions of the applicable SSF Guidelines, this MOA, Usufruct Agreement, Manual of Operations, Business Plan, or any other agreements in accordance thereto;
 4. Abuse/misuse of the SSF by the Cooperator;
 5. Fortuitous events as defined under Memorandum Order No. 21-1059, Series of 2021, provided, the same is so grave that the performance of the duties and responsibilities of the party affected or the continuation of the SSF is clearly impossible under the circumstances. Provided, further, that the party affected shall notify the other party in writing within a period of five (5) days from the occurrence of such event; and
 6. Expiration of the duration of the MOA and/or Usufruct Agreement;
- The aforementioned grounds for termination/pre-termination shall be without prejudice to the filing of civil, criminal, and/or administrative case/s against the Cooperator.
- IX. THAT the following MISCELLANEOUS PROVISIONS shall likewise be observed:
1. After the termination of this MOA, the machinery/equipment/tools shall be appraised to determine its depreciated value or residual value for purposes of transfer, sale or disposal by DTI. A depreciation schedule for all machinery/equipment/tools shall be provided for and form an integral part of this MOA as Annex "A";

2. The machinery/equipment/tools shall be used by the "COOPERATOR" under a Usufruct Agreement which shall form an integral part of this MOA as Annex "B".
3. In the performance of their obligations under this agreement, the "PARTIES" shall ensure the privacy and security of any and all confidential, privileged, personal and/or sensitive personal information that the parties, their officers, employees, or agents may have access to; and shall store, use, dispose, and otherwise process the said confidential, privileged, personal and/or sensitive personal information in accordance with Republic Act 10173 otherwise known as the "Data Privacy Act of 2012;" its Implementing Rules and Regulations (IRR); and applicable issuances issued by the National Privacy Commission (NPC). This clause shall survive the termination or expiration of this agreement. Any violation of this clause and any of the provisions of the DPA and its IRR by the parties, their officers, employees, or agents shall be subject to the corresponding sanctions, penalties, or fines under the said law without prejudice to any other civil and/or criminal liability, as may be applicable.
- X. THAT any amendments to this MOA shall be in a written form of this nature and signed by both "DTI-Region 02" and the "COOPERATOR".

IN WITNESS WHEREOF, the parties have hereunto set their hands this ____ day of June 2023 in _____, Philippines.

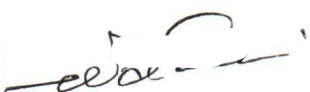
DEPARTMENT OF TRADE AND INDUSTRY -
REGIONAL OFFICE 02

By:


ROMLEAH JULIET PULIDO OCAMPO, CESO III
Regional Director

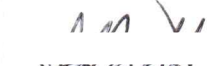
SAINT MARY'S UNIVERSITY

By:


DR. JOHN OCTAVIOUS S. PALINA
University President

SIGNED IN THE PRESENCE OF:


MARIETTA B. SALVIEJO, CESO V
Witness


ENGR. ANGELINO A. PIMENTEL
Witness

ACKNOWLEDGEMENT

Republic of the Philippines)
City of Tuguegarao)S.S.

BEFORE ME, a Notary Public for and in Tuguegarao City, Cagayan, this 17 day of JUL 2023, personally came and appeared the following:

Name	Valid ID	Place/Date Issued
Romleah Juliet Pulido Ocampo, CESO III Dr. John Octavious S. Palina	<u>DTI ID NO. 02-420</u> <u>Passport P3706419A</u>	<u>TUGUEGARAO CITY</u> <u>DFA Baguio/July 15, 2017</u>

Known to me and to me known to be the same persons who executed the foregoing instrument and acknowledged to me that the same is their free and voluntary act and deed.

This Instrument consists of only seven (7) pages, including this page in which this acknowledgement is written, duly signed by the parties and their instrumental witnesses on each and every page hereof.

WITNESS MY HAND AND SEAL on the place and date first above written.

Doc. No. 1;
Page No. 2;
Book No. 47;
Series of 2023.

ATTY. LEA A-BALANIP
Notary Public until [unclear]
Special Commission No. RTC-TUG-2022-01
No. of Atty. No. 45223
SP No. 290160-01-18-2023
TR O.R. No. 3187480-01-05-2023
ICLE Comp. No. VII-0012960

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[Handwritten signatures]



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The DOST-SEI STAR Strategic Foresight Seminar Workshop emerges as a cornerstone in the journey towards a forward-thinking and proactive approach to STEM education in the Philippines. The collaborative efforts of trainers from across the nation, under the guidance of Dr. Sheryllyn C. Monterola, reinforce the commitment to anticipating and addressing the challenges and opportunities that lie ahead in the dynamic landscape of STEM education. Dr. Elsa L. Cajucom's representation from region 2 further emphasizes the nationwide collaboration in this strategic initiative.





SAINT MARY'S UNIVERSITY
BAYOMBONG, NUEVA VIZCAYA, PHILIPPINES
CENTER FOR NATURAL SCIENCES



DOST-PCIEERD Capability Building Program

The DOST-PCIEERD Capability Building Program on November 23, 2023, hosted at De Busschere Hotel in SMU, was a transformative event attended by over 60 participants. The program featured informative sessions led by distinguished experts. Ms. Eidel Eda conducted a session focused on the comprehensive information dissemination of various DOST Project Grants, providing participants with valuable insights into the available opportunities.

Dr. Ruby Raterta took the stage to delve into the intricacies of Proposal Writing and Budgeting, equipping attendees with essential skills and knowledge crucial for successfully navigating the grant application process. The dual focus on both information dissemination and practical skills enhancement ensured a holistic and enriching experience for the participants. The venue at De Busschere Hotel within the SMU premises provided an ideal setting for collaborative learning and networking among participants, contributing to the overall success of the capability building.



Other Faculty Members and CNS Lab Staff who participated:

Mrs. Lorna C. Aban	Mr. Michael Catacutan
Mr. Robert S. Aceret	Mr. Gabrielle Erana
Mr. Regidor L. Almendral	Mrs. Cathelyn C. Mariano
Mrs. Gloria Vicky C. Antonio	Mr. Jason Maslang
Mr. Olivar D. Barroga Jr.	





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**9th National Research Conference in Science and Mathematics Education
Celebrates Triumph of Ideas and Collaboration**

In a triumphant convergence of leading minds and innovative ideas, the 9th National Research Conference in Science and Mathematics Education unfolded at Limketkai Luxe Hotel in Cagayan de Oro City from November 16-17, 2023. Orchestrated through a collaborative initiative involving DOST-SEI, CBPSME-NCGSME, MSU-IIT, and USTP, the event drew participants from diverse institutions, including a formidable delegation from Saint Mary's University.

Under the theme "Promoting STEM Education Research for Sustainable Development," the 9th National Research Conference in Science and Mathematics Education served as a dynamic platform for scholars and educators to share insights and explore innovative approaches. Saint Mary's University made a significant impact with a delegation comprising a Project Director, a project staff member, four faculty advisors, and an impressive cohort of oral and poster presenters.

The event, with Dr. Elsa L. Cajucom also serving as a **judge in the Technical Poster Presentation**, showcased the collective dedication to catalyzing strides in STEM education for a sustainable future. #

