c. Library research assignments given to students must be realistic i.e. given according to the physical possibilities of the present collection of the ULRC. Library research assignments should not be given in lieu of regular class schedule.

B. Organization Advisorship

1. The Adviser of a co-curricular organization is appointed by the Academic Dean, while the Adviser of an extra-curricular organization is appointed by the Dean of Student Affairs and Services. Acceptance of advisorship is a healthy sign of understanding that education is not achieved only within the confines of the classrooms.
2. The activities of co-curricular and extra-curricular organizations must be reflective at all times of Saint Mary's University's vision-mission statements. Academic personnel Advisers and all other academic personnel should, therefore, give due attention to the following regulations:
   a. The prescribed rules and regulations governing student activities should be observed, as provided in the Saint Mary's University Student Handbook.
   b. Activities of co-curricular and extra-curricular organizations should be held preferably during free hours of the day or on free days so that class hours are not disrupted. Exceptions may be given in cases duly approved by the President.
   c. Academic personnel are strictly prohibited from collecting money or the like from the members of student organizations unless authorized to do so in writing by the Academic Dean and/or the Dean of Student Affairs and Services.

C. Academic Freedom

1. The University upholds the exercise of academic freedom by all academic personnel in consonance with the provision of Sec. 8 (2), Art. XV, of the 1987 Constitution. As such, every

academic personnel has "the freedom to investigate the problems of his/her science and express his/her conclusions whether through publications or in the instruction of students without interference from (university) authorities unless his/her methods are found by qualified bodies of his/her own profession to be clearly incompetent or contrary to professional ethics."

2. The exercise of academic freedom, however, should not diminish or preclude the obligation of academic personnel to disseminate and live by the creeds and principles on which Saint Mary's University as a Catholic institution is founded.

IV. SPECIFIC DUTIES AND RESPONSIBILITIES

A. Attendance and Punctuality. The University expects all personnel to have a professional attitude towards attendance and punctuality at work. Absence from work disrupts the normal operations of the University and results to the short-changing of services to students. On the other hand, tardiness delays the start and hence the completion of classroom activities. Absences should only be for valid reasons/emergency cases. All academic personnel should:

1. Record their daily attendance by using the biometrics. They should register their time-in and time-out in the morning and in the afternoon. In cases of biometric breakdown, attendance should be recorded in a logbook.
2. Submit their attendance record to the HRDO immediately within one week from the day of an activity conducted outside of the University such as RLE, OJT, field work, etc.
3. Meet their classes regularly and punctually. Personnel should proceed to their class five (5) minutes before the start of the class. Accumulated tardiness and undertime reported by the checkers will be deducted from their salary and performance evaluation.

SAINT MARY'S UNIVERSITY
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POLICY OF 2021

ARTICLE 1 - PREFACE

1.1. Context and Institution Mission

1.1.1. The core mission of Saint Mary's University ("Institution") were a) relentlessly pursue quality and excellence in education for local and global relevance and responsiveness; b) persistently challenge one another to explore and pursue relevant, innovative, and breakthrough ideas through research and development; c) steadfastly form and develop community-supportive persons promoting multi-ethnicity, social justice, peace, and integrity of God's creations; d) conscientiously strengthen good governance and concordance among stakeholders for the sustenance of best practices and institutional gains; and e) joyfully animate and care for one another as a community inspired by Mother Mary to become faithful witnesses of Christ's mission.

1.1.2. The Institution is committed to ensuring that Intellectual Property (IP) emanating from its research activities is used to support the objectives set out in its Policies following its legal obligations for the benefit of the Institution, the Creators, and the general public

1.2. Purpose of the IP Policy

1.2.1. **Promotion of IP utilization.** The IP Policy intends to facilitate the widespread use of, through various modalities of access to, the Institution's IP.

1.2.2. **IP management.** The IP Policy seeks to set the framework for translating the IP arising from the Institution's Research into products, services, and processes. It encourages Employees, Students, and Guests to become Creators and identify IP with potential commercial value. It also establishes clear rules and procedures for managing and commercializing such IP generated at the Institution.

1.2.3. **Balance of interests.** The IP Policy seeks to ensure the legal protection,

where applicable; effective management and Commercialization of Institution IP; while at the same time not impeding with the traditions of education and scholarship, academic freedom, open and timely publications, Institution sovereignty, and the Institution's mission serving the public interest.

1.3. Overall Principles

The Institution operates under the following overall principles:

1.3.1. **Responsible Commercialization.** Where IP arises that has commercial potential as a result of research, the Institution intends to make such IP available in a form that will most effectively promote its development and use for economic and social benefit.

1.3.2. **Incentives.** The Institution wishes to recognize and reward Employees, Students, and Guests whose IP generates a demonstrable socio- and/or economic impact.

1.3.3. **Local development.** The Institution encourages research that responds to local, regional, and national needs.

ARTICLE 2 - DEFINITIONS

Without prejudice to any applicable laws, in this Policy the definitions set out below shall apply:

Appointment. A formal agreement for a Guest at the Institution is a prerequisite to participating in or conducting research, scholarship, creative work, or teaching.

Author. Any person to whom this Policy is applicable, who individually or jointly with others makes a design, a mark, or copyrightable work and meets the criteria for authorship under the IP laws of the Philippines.

Background IP. Any pre-existing IP created before the execution of any Research Project, or before a Creator becoming subject to this IP Policy, under Appointment in the case of a Guest, employment contract in the case of an Employee, or a registration in the case of a Student.

Commercialization. Any form of utilization of IP intended to generate value, which may be in the form of a marketable product, process or service, commercial returns, or another

SAINT MARY'S UNIVERSITY
BAYOMBONG, NUEVA VIZCAYA, PHILIPPINES
INSTITUTIONAL DEVELOPMENT AND QUALITY ASSURANCE OFFICE

Document Code	EOMS-QAO-FO-010, Rev. 00
Effectivity Date	2024/12/08
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NARRATIVE REPORT

SDG: 13, 15, 17

Title of Activity: Research Production of CNS Faculty and Staff

Date/Time: June 2024-May 2025

Venue: SMU, Bayombong, Nueva Vizcaya

Organizers: Center for Natural Sciences'

Objectives:

1. To promote and support the development of high-quality, relevant research among faculty and staff that contributes to institutional, national, and global development goals.

2. To enhance the research capabilities of faculty and staff through continuous training, collaboration, and access to funding and publication opportunities.

Participants: CNS Faculty and Staff

A. Highlights of the Activity:

From June 2024 to May 2025, the Center for Natural Sciences (CNS) actively fostered a strong research culture among its faculty and staff by encouraging and facilitating research engagement. Guided by institutional priorities and aligned with national and global development goals, CNS researchers undertook various projects addressing environmental, health, education, and sustainability issues.

Faculty members collaborated across disciplines and secured funding from internal and external sources such as the CNS fund and Project WEALTH 2.0. The year was marked by the successful conduct of multiple research projects, ranging from environmental risk assessments and water quality monitoring to educational module development and solid waste management studies.

Notably, the research outputs reflected the department's commitment to real-world applications and community relevance. Several studies addressed pressing environmental challenges such as microplastic pollution, groundwater safety, and landfill risk, while others focused on educational innovation and natural product development.

The diversity of research topics also provided opportunities for junior researchers to engage in collaborative initiatives, improving their competence in project design, data gathering, and scholarly publication. This research production period significantly contributed to the professional growth of faculty members and the academic reputation of Saint Mary's University.

B. Appendices

1. Summary of Research Conducted A.Y. 2024-2025

Title	*Lead Researcher*	*Members*	*Source of Fund*
Land and Groundwater Vulnerability to Leachate and Heavy Metals: HEI-MLGU Environmental Risk Assessment of a Landfill Site	Dr. Elsa L. Cajucom	Mr. David M. Gayadang Mr. Michael S. Catacutan Mrs. Julieta A. Villanueva Ms. Vivien Junelle R. Almendra	Project WEALTH 2.0
Converting Biological Resources into Herbal-Based Ointment for Topical Application: Formulation and Efficacy Evaluation	Mrs. Cathelyn C. Mariano	Ms. Ma. Shiela M. Ramos Mr. Gabrielle E. Erana	Project WEALTH 2.0
Safeguarding Campus Water: A Preliminary Assessment of Microplastics and Microbial Pollution in SMU Groundwater System	Dr. Elsa L. Cajucom	Mr. David M. Gayadang Mr. Michael S. Catacutan Ms. Arcelle Mae P. Novida Ms. Leana B. Alap Ms. Hannah Mae Q. Lim Mr. Vincent C. Boniol Ms. Gregg Austine M. Balanag Ms. Lady Fatima C. Reganit Mr. Rafael G. Tarangco	CNS
Development of Environment and Christian Values-Oriented Chemistry Modules (ECCM) for Junior High School Special Science Program Learners	Dr. Elsa L. Cajucom	N/A	Personal

Title	*Lead Researcher*	*Members*	*Source of Fund*
Mind the Waste: Assessing Awareness and Attitudes Towards Solid Waste Management Among University Students	Shenna Mae B. Decoro (SOGS)	Dr. Elsa L. Cajucom	Personal

2. Photo documentation

a. Project WEALTH 2.0 Faculty Research Forum









b. CNS Research







Prepared by:

Dr. Elsa L. Cajucom

CNS Director

Narrative Report: 2024 Approved Faculty Research Production Grant, August 2024 - May 2025

NARRATIVE REPORT

SDG:	4, 9, and 17
Title of Activity:	2024 Approved Faculty Research Production Grant
Date/Time:	From August 2024 – May 2025
Venue:	Saint Mary's University
Organizers:	University Research Center
Objectives:	to foster academic excellence and innovation by supporting faculty research initiatives.
Beneficiaries (if any):	**Faculty Researchers**
Participants:	**SMU** faculty members across schools and departments

A. Highlights of the Activity: (2024 Faculty Research Production Grant)

In June 2024, immediately after the LLL Celebrations at Saint Mary's University, a significant activity was achieved as the SMU Advisory Board approved research proposals from 34 faculty research teams under the Faculty Research Production Grant. This initiative underscores SMU's commitment to fostering academic excellence, innovation, and addressing societal challenges.

The event marked the approval of a diverse range of research projects aimed at advancing knowledge in various fields. Faculty members were awarded the first tranche of funding, enabling them to kick-start their research endeavors. This support is crucial in providing the resources needed for comprehensive and impactful research, further contributing to the university's mission of promoting high-quality education and innovation.

The LLL Celebration served as the backdrop for this announcement, highlighting the importance of research in enhancing educational outcomes and driving societal progress. The gathering brought together faculty, students, and stakeholders to celebrate this achievement and discuss the potential impact of the approved research projects.

By investing in faculty research, SMU is not only enhancing the academic environment but also contributing to the Sustainable Development Goals (SDGs) 4 (Quality Education), 9 (Industry, Innovation, and Infrastructure), and 17 (Partnerships for the Goals). This initiative encourages collaboration, fosters partnerships, and promotes innovation, ultimately benefiting the broader academic community and society at large.

Appendices:

List of Approved Faculty Proposals

Approved Faculty Research Proposal Submission

(For AY 2024-2025)

RESEARCH TITLE	LEAD & PRIMARY COLLABORATOR
1. Shades of Green: Unveiling Community Engagement in Barangay Greening Program	Felipe V. Nantes, Jr. (Lead) Alona C. Costales
2. Stewardship Implementation and Lay Faithful Engagement in a Local Church in Northern Philippines	Mr. Jonathan P. Vergara (Lead) Dr. Loreta V. Garlitos
3. Navigating Secularization: A Fresh Approach to a New Phase of Evangelizing the Christian Youth in Veritatis Gaudium (The Joy of Truth)	Dr. Henry F. Gamboa (Lead) Atty. Epifanio Delbert G. Galima III
4. Appraising a Higher Education Institution's Waste from Electronic and Electrical Equipment (WEEE) Management Practices: Towards a Sustainable Plan for Mitigating Risks	Gertrude G. Danao, PhD (lead) Mildios Meeds Ciriaco Blando
5. Harmony Within: Nurturing Marians' Lived Exp on Belongingness and Peace	Dr. Susan A. Galamay (Lead) Mr. Benyamin Messakaraeng
6. Steering Digital Marketing in Philippine Higher Education: Benefits, Challenges, and Sustainable Strategies	Dr. Monaloufel Rosario F. Jasmin (Lead) Rocel Audrey J. Batara
7. Enhancing Regional Transformation: Recalibrated On-Site Diversified Planning and Design in Region 2	Liberty A. Rosario (Lead) Candido Joseph T. Rosario Jr.
8. Cultivating Purpose-Driven Leaders from Campus to Communities: Strategies for Advocacy Formation and Implementation	Mr. Kenneth L. Maslang (Lead) Dr. Darwin Don M. Dacles
9. Navigating Parenthood and Promoting Family Wellness: A Health Education Intervention for Parents of Exceptional Children (Children with Special Needs-Developmental Disabilities (DDs)	Dr. Sherylou A. Benig (Lead) Marissa lyn A. Labangcoc
10. Sustainable Campuses via Bins to Behaviour: Investigating Waste Management Actors in Higher Education by Decoding the Waste Chain	Dr. Regina D. Ramel (Lead) Mr. John Lindy R. Soriano
11. Unlocking Sci-Math Minds: Exploring Classroom Culture with Manipulatives	Dr. Analyn A. Guevara (Lead) Mrs. Lorna C. Aban
12. Suitability of the SMU's Demo Farm for the Production of Cacao: A PHEI-NGO- GO Initiative	Garra, Angela C. (Lead Researcher) Tipay, Rodora P.
13. Promoting Active Transportation: Evaluating Campus Walking and Cycling Facilities for Student Wellbeing – Perspectives of Students in Higher Education	Mary Grace Medina-Bulatao, Ph.D. (Lead) Jones K. Liwan
14. Harnessing Generative AI for Innovative Instruction, Research and Extension: Towards Crafting of Policies for Responsible Use	Dr. Melanie G. Gurat (Lead) Miss Ivonny Lorvin M. Adducul
15. Antimicrobial Ointment for Topical Application Derived from Leaf Extracts Found in the Indigenous Community of Sitio Masina: Formulation and Efficacy Evaluation	Mrs. Cathelyn C. Mariano (Lead) Mrs. Ma. Shiela M. Ramos
16. Enhancing Bayombong Day Care Teacher's Pedagogical Skills: Bridging Implications for a Relevant Extension Program	Ma. Cristeta M. Aduca, Ph.D. (Lead) Lilibeth Cajimat

RESEARCH TITLE	LEAD & PRIMARY COLLABORATOR
17. Dance Dynamics: Unravelling its Dual Role in Fitness and Social Interaction	Ronda L. Navalta (Lead) Niño N. Baldonado
18. MSME's Contribution to Sustainable Development Goals Attainment and Challenges Encountered: Towards a Proposed Training Plan with DTI and PLGU	Dr. Harrison T. Villanueva (Lead) Ms. Sheryl A. Adducul-Baria
19. Bridging the Gap: Student Accessibility, Willingness, and Preferences for Telemental Health Services in the School Setting	Pearl Via S. Coballes (Lead) Kristine Ann L. Israel
20. From Fear to Fluency (Empowering Voices): A Public Speaking Anxiety Reduction Among Students via Support Mechanism	Mrs. Lysel I. Haloc (Lead) Mrs. Maria Ines R. Minia
21. Land and Groundwater Vulnerability to Leachate and Heavy Metals: HEI-MLGU Environmental Risk Assessment of a Landfill Site	Dr. Elsa L. Cajucom (Lead) Julieta Villanueva
22. Legislative Competency of Sangguniang Kabataan Officials: A Catalyst for Youth Participation in Local Governance of a First-Class Municipality	Erwin Naval (Lead) Ernest Esmeralda
23. Bridging Technology and Taxonomy: An Interactive Dichotomous Key for Lichen Identification in Nueva Vizcaya	Dr. Arlene L. Tabaquero (Lead) Mr. Hanson T. Villanueva
24. Linking Environmental Education and Sustainable Development – The Green Mind: A Study on the Eco-consciousness of Students at Saint Mary's University (HEI)	Mr. Samuel B. Damayon (Lead) Dr. Edwin Edilberto N. Mania
25. Faithful Stewardship: A Community-Centric Pilgrimage Site Revitalization	Dr. Mayvelyn S. Covita (Lead) Mr. John Michael C. Ibarra
26. From Academic Scraps to Eco Snack Packs: Transforming Discarded Exam Papers into Sustainable and Profitable Portable Utensils	Jason Arnold L. Maslang (Lead) Leila A. Navarro
27. Pedagogical Planning and Practice for Indigenous Education: A Basis for an Integrated Framework for IP Education	Vince Errol J. Lucas (Lead) Marites B. Querol
28. Bridging Cultures, Expanding Horizons: Evaluating the Impact of Inbound and Outbound Mobility on Learning - Onward to a Robust Institutional Plan	Clara M. Gonzales (Lead) Gerome Bautista
29. Empowering Barangays: Harnessing Data for Effective Decision Making through Enterprise Resource Planning Systems	Adonis V. Garces, DIT (Lead) Milagros S. Constantino
30. Examining Self-Efficacy Sources, MATSI-Based Attitudes, and Performance: A Student-Centric Approach to Specialized Science Curriculum Redesign	Dr. Agnes N. Madamba (Lead) Judy Ann F. Sonday
31. Who Volunteers for What? Demystifying the Particularities of Volunteerism in Nueva Vizcaya in the Pursuit of the Sustainable Development Goals	Christopher Allen S. Marquez (Lead) Domingo T. Guntalilib Jr.
32. Evaluation of Community-Based Programs for Senior Citizens: Conception of LIFE (Love Intervention for Filipino Elderly) Program	Melchora M. Bautista, RPh, MS Pharm (Lead) Juliet S. Palina
33. Collaborative robots' productivity effects in post-	Engr. Teofilo M. Sagabaen (Lead)

	RESEARCH TITLE	LEAD & PRIMARY COLLABORATOR
	harvested citrus fruits of Nueva Vizcaya, Philippines	Engr. Angelino A. Pimentel
34.	Geotechnical Investigation of Quarry Sites Along the Magat River: Towards an Evidence-based Regulations and Guidelines Compliant to DPWH Standards	Engr. Jefrie T. Alindayu, RMP, MSCE (Lead) Engr. Michelle Kyra S. Bautista

SAB Annual Report, AY 2024-2025 (cover; faculty research presentations and publications)

SAINT MARY'S UNIVERSITY
BAYOMBONG, NUEVA VIZCAYA, PHILIPPINES
SCHOOL OF ACCOUNTANCY AND BUSINESS

Document Code	EOMS-QAO-FO-008, Rev. 00
Effectivity Date	2024/12/08
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ANNUAL REPORT
A.Y. 2024-2025

June 2024 - May 2025

		1. Dr. Mayvelyn S. Covita 2. Mr. John Michael C. Ibarra 3. Mr. Mark Ian J. Soriano		https://www.facebook.com/share/p/14ENhYiX1iw/
b. (NEW) **Research Utilization**				
c. **Research Publication** (Scopus, ISI-Indexed, Web of Science/ Clarivate)		**Ramel, Regina D.** , Co-Author, *Application of Risk-Based Audit Approach by Sole Practitioners and Local Audit Firms: Towards Fully-Compliant Financial Reports* International Journal of Social Science and Education Research Studies ISSN(print): 2770-2782, ISSN(online): 2770-2790 Volume 04 Issue 11 November 2024		DOI: https://doi.org/10.55677/ijssers/V04I11Y2024-10, Impact Factor: 6.759 Page No : 1257-1263
d. **In-house Research Publications**				
e. **Research Dissemination**				
e.1. International research presentation	BOEA	**Dr. Harrison T. Villanueva** *Huachiew Chalermprakiet University Thailand, July 26-28, 2024* 11th International Academic Conference		| SMU co-hosts international confab: 5 faculty to present scholarly work
	BOEA	**Sheryl A. Adducul-Baria** *August 19, 2024*	ICBIT - CVCIT	SMU SAB Research Page

		via Zoom 1st International Research Conference in Business and Information Technology - Professional Track		
	BOEA	**Sheryl A. Adducul-Baria** **Angela C. Garra** *November 20-22, 2024* *Bulacan State University* *Malolos City, Bulacan* 4th International Conference in Business, Education, Science and Technology	ICBEST 2024 Narrative	Bulacan State University Page
e.2. National research presentation				
f. Student Research Awardees	Accountancy	**Navarette, Karl Michael, Cariaga, Fher Andreick, Cabugao, Trixia, Villegas, Keith, Matamis, Lemery Joy, BSMA 4** Researchers, awarded as **BEST PAPER** during the 16th Central India Management Conclave 2024, organized by the Central Institute of Business Management Research and Development with the theme: "Harmonizing Efficiency, Innovation and Technological Convergence for Sustainable Business Transformation."		https://www.facebook.com/share/p/15myzPrGHL/
	BOEA	**Corpuz, Jericho, BSBA MM 4,** bagged the **Best Presenter Award** (Business Track),		https://www.facebook.com/

		"Creative Marketing Strategies and Challenges of Resorts in Nueva Vizcaya", during the 1st International Research Conference in Business and Information Technology held via zoom last August 19, 2024.		share/p/1GLCkvvewm/
	BOEA	**Duran, Edleya Gracielle, BSBA MM Alumna,** bagged the **1st Best Paper Award** (Business Track), "A Look of the Supply Chain of Citrus Wine in Nueva Vizcaya: The Citrus Capital of the Philippines", during the 1st International Research Conference in Business and Information Technology held via zoom last August 19, 2024.		https://www.facebook.com/share/p/1GLCkvvewm/
g. Faculty Research Awardees	BOEA	**Baria, Sheryl A.,** 3rd **Best Paper** Award - Professional Track, research entitled "The Disappearing Shelf Space versus the Flourishing Virtual Newsstands in the Philippine Publishing Industry: The Case of ABS-CBN Publishing Inc., during the 1st International Research Conference in Business and Information Technology held via zoom last August 19, 2024.		https://www.facebook.com/share/p/1GLCkvvewm/
	Accountancy	**Mania, Jeanette R.,** Adviser-Promoter, research emerged as **BEST PAPER** during the 16th Central India Management Conclave 2024, organized by the Central Institute of Business Management Research and Development with the theme: "Harmonizing Efficiency, Innovation and Technological Convergence for Sustainable Business		https://www.facebook.com/share/p/15myzPrGHL/

		Transformation."		
	BOEA	**Villanueva, Harrison T.**, Co-author, research paper **(One of the Top 4 Finalists - National Level)** entitled "Driving Local Government Units' Competitiveness in Nueva Vizcaya through Academe-Industry Collaboration: A CMCI Analysis for Nurturing Creative Ecosystems" under the group category in this year's 6th Cities and Municipalities Competitiveness Index (CMCI) Academic Symposium held at the Asian Institute of Management, Makati City on 11 December 2024.		https://www.facebook.com/share/p/19ts8KC4yP/
	BOEA	**Villanueva, Harrison T., Adviser-Promoter,** for their research emerged as the **1st Best Paper Award** (Business Track), "A Look of the Supply Chain of Citrus Wine in Nueva Vizcaya: The Citrus Capital of the Philippines", during the 1st International Research Conference in Business and Information Technology held via zoom last August 19, 2024.		https://www.facebook.com/share/p/1GLCkvvewm/
h. Research Grants Received				
i. Employee External Research Engagement		**Ramel, Regina D.**, Peer Reviewer, Asian Journal of Education and Social Studies, December 23, 2024.		Ramel, R. Asian Journal of Education and Social Studies.pdf
	BOEA	**Baria, Sheryl A.**, Coordinator, 16th Central India Management Conclave 2024, an	CIMC 2024 Narrative	

		Mary's University, initiated the collaborative project – Developing Entrepreneurial Students, Innovating Rural Economy (DESIRE). SMU, NVSU, and Aldersgate College faculty and students participated last Nov 15-17, 2024. Innovate and Solve: Mentoring and Coaching		
	SAB	BSP, in collaboration with SAB and ULRC, organized financial education initiatives last September 27, 2024 at the Sacred Heart Center with the theme "Secure Transactions, Safer Tomorrow: Empower Digital Payments with Cyber Hygiene"	BSPxSMU seminar	
b.5. Institutional	**HTM**	The Hospitality and Tourism Management (HTM) Department hosted its inaugural Research Forum on December 4, 2024, themed "Creative Sparks: Igniting Innovation and Imagination." The forum featured esteemed external evaluators from the Lyceum of the Philippines University-Laguna, including Professor Ryan A. Gamoso, Ph.D, DHM, LPT, PD-TQM, and Chef Ybethe Castillo, owner of Yanis Cakesserie, Guest Chef of Umagang Kay Ganda of ABS-CBN Channel, a Diploma Holder of International Baking and Pastry Arts and finished Bachelor of Science in Nutrition and Dietetics.	NARRATIVE REPORT of 1st HTM Research Forum 2024.docx	https://smu.edu.ph/htm-department-hosts-groundbreaking-research-forum/
	HTM	**November 5-12, 2024**	SAB Bazaar; Balai ni	SAB Bazaar 2024

Narrative Report: International Conference on Business, Education, Science and Technology (ICBEST), November 20-22, 2024

SAINT MARY'S UNIVERSITY
BAYOMBONG, NUEVA VIZCAYA, PHILIPPINES
BUSINESS, OFFICE ADMINISTRATION AND ENTREPRENEURSHIP DEPARTMENT

Document Code	EOMS-QAO-FO-010, Rev. 00
Effectivity Date	2024/12/08
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NARRATIVE REPORT

SDG: 1 - 17

Title of Activity: **I**nternational **C**onference on **B**usiness, **E**ducation, **S**cience and **T**echnology (ICBEST) 2024

Date/Time: November 20-22, 2024

Venue: Bulacan State University – Malolos City Campus

Organizers: Bulacan State University
Saint Mary's University (Partner Institution)

Objectives: Fostering Innovation and Collaboration: Bridging Business, Education, Science and Technology for a Sustainable Future

Beneficiaries (if any):

Participants: Sheryl A. Adducul-Baria (Business) – Presenter and Panelist

Angela C. Garra (Business) - Presenter

A. Highlights of the Activity:

Bulacan State University hosted the International Conference on Business, Education, Science, and Technology (ICBEST) last November 20-22, 2024. The conference served as a platform for exchanging knowledge and experiences among experts, researchers, and educators from various institutions locally and globally. This event created opportunities for research engagement, networking and generation of innovative ideas to support sustainable development.

The International Conference on Business, Education, and Science and Technology (ICBEST) 2024, held from November 21 to 23 at the Bulacan State University in Malolos, served as a vibrant platform for innovation and collaboration. With the theme "Fostering Innovation and Collaboration: Bridging Business, Education, Science, and Technology for a Sustainable Future," the conference brought together academics and researchers to share groundbreaking ideas and solutions.

The three-day event opened with four parallel sessions featuring distinguished international speakers who set the tone for insightful discussions. On the second day, SMU employees showcased their expertise: Dr. Mary Grace M. Bulatao and Ms. Ivonny Lorvin M. Adducul (for Education), Mrs. Cathelyn C. Mariano (for Science), Ms. Sheryl A. Adducul-Baria and Mrs. Angela C. Garra (For Business),

presented their research findings, highlighting innovative contributions to their respective fields.

Adding to SMU's active involvement, Ms. Adducul-Baria and Mr. Jason Arnold L. Maslang took on a key role as panelist and technical coordinator, respectively, ensuring the seamless flow of activities during the conference.

SMU's robust participation underscores its unwavering commitment to academic excellence and interdisciplinary collaboration. By bridging the gaps between business, education, science, and technology, SMU reaffirms its pivotal role in driving sustainable development and fostering innovation. The conference ended with a tour around the historic city of Malolos as a treat to the participants, guests, and speakers.

B. Summary of the Activity Evaluation

C. Appendices

1. **Attendance Sheet (scanned)**

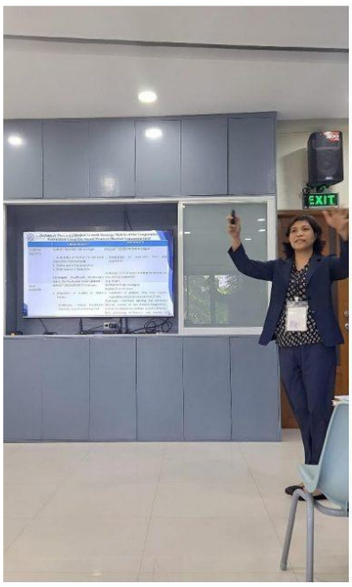
2. **Program of Activities**

3. **Photo Documentation**

As Presenter:

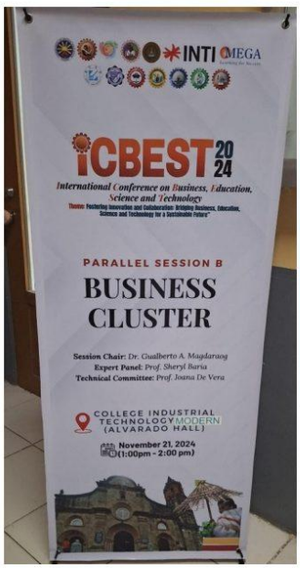

Republic of the Philippines
City of Malolos, Bulacan
BULACAN STATE UNIVERSITY
CERTIFICATE OF RECOGNITION
is presented to
SHERYL ADDUCUL-BARIA
for dedicating her time and effort to present the research entitled "Total Quality Management Implementation and Challenges Encountered by Creative Businesses in Nueva Vizcaya" to the "INTERNATIONAL CONFERENCE ON BUSINESS, EDUCATION, SCIENCE, AND TECHNOLOGY(ICBEST) 2024" with the theme: "Fostering Innovation and Collaboration: Bridging Business, Education, Science and Technology for a Sustainable Future" Held at the Bulacan State University E-Library on November 20-22, 2024.
Given this 22nd day of November, in the year of our Lord 2024.
TEODY C. SAN ANDRES, Ph. D.
University President


TOTAL QUALITY MANAGEMENT OF CREATIVE INDUSTRIES IN NUEVA VIZCAYA


EXIT


EXIT

As Panelist:







Prepared by:

Sheryl A. Adducul-Baria
Department Head

HRDO Form EOMS-HRD-FO-102, Intent to Teach (effective December 8, 2024)

SAINT MARY'S UNIVERSITY
BAYOMBONG, NUEVA VIZCAYA, PHILIPPINES
HUMAN RESOURCE

Document Code	EOMS-HRD-FO-102, Rev. 00
Effectivity Date	2024/12/08
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Revision No.	Effectivity Date	Author	Description of Change
00	December 8, 2024	Rachelle A. Liyac	Initial Issue

CONTROLLED COPY
Signature: _____ Date: 12/11/24

INTENT TO TEACH
(Basic Education)

_____
_____
Saint Mary's University Junior/Senior High School, Grade School
Bayombong, Nueva Vizcaya

Dear _____:

My warmest greetings!

The SMU Administration is currently preparing for the faculty line-up for the _____ to ensure the orderly and equitable distribution of available teaching load for the School Year. Relative thereto, we would like to find out if you are available and willing to teach for the said School Year. Please return a duly accomplished copy of this communication to the Human Resource Development Office _____. **For part-time-temporary, contractual or probationary employees, your failure to comply shall be construed as disinterest to teach during the above-indicated school year. Consequently, your contract with the University is deemed not to have been renewed. For regular employees, please refer to the provisions on resignation under the SMU Administrative and Employment Manual for Academic Personnel.**

Please be reminded on the revised/refined policies of Circular No. (AD) 11, SY 2014-2015 to the effect that *"a(n) academic personnel, who resigns without the 30-day notice will make him liable to pay damages in the amount equivalent to his three month salary or P30,000, whichever is lower. A separate penalty in the amount of P50,000 shall be imposed upon the employee if he resigns within the semester or summer term for breach of contract. In addition thereto, all of his accrued benefits granted by the University, by law, or by virtue of a Collective Bargaining Agreement shall be forfeited. A permanent and tenured academic personnel who will resign without the requisite acceptance shall likewise forfeit his status."*

Your usual cooperation is very much appreciated.

Very truly yours,

_____
Director, HRDO

(Do not cut or tear)

Date: _____

_____
Director, Human Resource Development Office
This University

Madam:

Please be informed that (please check):

__ **I am available to teach for the School Year _____ as governed by the provisions stipulated above.**

__ **I am NOT available to teach for the School Year _____.**
Reason/s: _____
_____

Very truly yours,

_____
(Signature Over Printed Name)

Narrative Report: Research Publication in Scopus (Cajucom et al.), January 2025

NARRATIVE REPORT

SDG: 13, 15, 17

Title of Activity: Research Publication in Scopus

Date/Time: January 2025

Venue: Mindanao Journal of Science and Technology

Organizers: University of Science and Technology

Objectives:

To encourage and support faculty and staff in publishing high-quality research in Scopus-indexed journals, thereby enhancing the institution's academic visibility, research impact, and global competitiveness

. **Participants:** CNS Faculty and Staff

A. Highlights of the Activity:

Dr. Elsa L. Cajucom of the Center for Natural Sciences at Saint Mary's University has achieved a significant academic milestone with the acceptance of their research paper for publication in the Mindanao Journal of Science and Technology (MJST), Volume 22, Special Issue 2024. The study, titled "Assessing Nitrate and Phosphate Contaminants in Agricultural Soils and Groundwater: Implications for MLGU Restoration and Eutrophication Management," explores vital environmental concerns related to agricultural practices and water quality.

The publication affirms Dr. Cajucom's commitment to advancing scientific knowledge that supports sustainable land and water resource management. During the publication phase, she was assisted by one of the co-authors and research assistant, Mr. Michael S. Catacutan.

Research Published in Scopus A.Y. 2024-2025

Researchers	*Title*	*Scopus-Indexed Journal*
Lead: Dr. Elsa L. Cajucom Assisted by: Michael Catacutan (Co-Author/ Research Assistant)	Assessing Nitrate and Phosphate Contaminants in Agricultural Soils and Groundwater: Implications for MLGU Restoration and Eutrophication Management	Mindanao Journal of Science & Technology Vol 22 Special Issue 2024 https://doi.org/10.61310/mjst.v22iS1.2212

Documentation

UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES
Alubijid • Balubal • Cagayan de Oro • Claveria • Jasaan • Oroquieta • Panaon • Villanueva
Promoting original researches in science and technology

December 31, 2024

Ms. Elsa L. Cajucom
Center for Natural Sciences
Saint Mary's University
Bayombong, Nueva Vizcaya, 3700 Philippines

Dear Ms. Cajucom:

We are pleased to inform you that your paper titled "***Assessing Nitrate and Phosphate Contaminants in Agricultural Soils and Groundwater: Implications for MLGU Restoration and Eutrophication Management***" has been accepted for publication in Mindanao Journal of Science and Technology (MJST), Volume 22, Special Issue, 2024.

Please find the attached copy of MJST's Copyright Transfer and Declaration form. Kindly fill out and sign this form, and send us its scanned copy as soon as possible. The execution of the transfer of copyright agreement is a requirement for the publication of your paper.

Also attached is your paper's final proof. Please check it thoroughly as we might have accidentally overlooked some errors, and then let us know if you have anything to change. Kindly note that modification of authorship (i.e., adding, removing, and re-arranging) is strictly prohibited.

Thank you and congratulations.

Respectfully yours,

Mycel A. Capilayan, Ph.D.
Editor-in-Chief, MJST

A CHED-IP Recognized Journal | Indexed in Scopus, Emerging Sources Citation Index (ESCI) – Clarivate Analytics
ASEAN Citation Index (ACI) & Philippine E-Journals (PEJ)

Prepared by:

Dr. Elsa L. Cajucom

CNS Director

Narrative Report: SEAIT Research Forum, April 28, 2025

SAINT MARY'S UNIVERSITY
BAYOMBONG, NUEVA VIZCAYA, PHILIPPINES
INSTITUTIONAL DEVELOPMENT AND QUALITY ASSURANCE OFFICE

Document Code	EOMS-QAO-FO-010, Rev. 00
Effectivity Date	2024/12/08
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NARRATIVE REPORT

SDG: 4 and 9

Title of Activity: **SEAIT - Research Forum**

Date/Time: April 282 2025, 1:00 PM - 5:30 PM

Venue: Sacred Heart Center

Organizers: SEAIT Research Coordinator

Objectives: To provide an academic platform for the dissemination of research conducted by students, with the aim of fostering a culture of critical review and innovation across disciplines.

Beneficiaries (if any): student researchers and faculty members and adviser-promoters

Participants: SEAIT Faculty and Students

A. Highlights of the Activity:

TIME	Programme	Person(s) Involved
1:00 PM-1:10 PM	Registration	ACES-JPICE Officers
1:10 PM-1:15 PM	Invocation	MICROJPCS Officer
1:15 PM-1:20 PM	Opening Remarks	Engr. Michelle Kyra S. Bautista, *Research Coordinator, SEAIT*
1:20 PM-1:25 PM	Welcome Remarks	
1:25 PM-1:30 PM	Introduction of Panel of Evaluators	UAPSA Officer
	RESEARCH PRESENTATION	
1:30 PM-1:45 PM	"LIBRARY AS A LIVING SPACE REDEFINING STUDENT-CENTRIC DESIGN IN ACADEMIC INSTITUTIONS" *Kenneth Jeiv D. Cristobal*	Presenter 1
1:45 PM-2:00 PM	"ECOSPORT: AN INTEGRATED RECREATIONAL SPORTS PARK AT ALDERSGATE COLLEGE" *Kian James Mart J. Ronco*	Presenter 2
2:00 PM-2:15 PM	"MFOB: REVOLUTIONIZING URBAN MOBILITY WITH MOBILE FLYOVER BRIDGE SOLUTIONS" *Brandon B. Dasalla, Corvin Owen B. Motilla, Michael James Benedict V. Paluyo and Francis Ira A. Valdez*	Presenter 3
2:15 PM-2:30 PM	"PERMEABILITY OF CLAYEY SOIL MIXED WITH GMELINA WOOD ASH AND CHICKEN BONE USED FOR SANITARY LANDFILL AS LINERS" *Stephanie M. Aguinaldo, Bea S. Baltucanag, Genezis Aubrey A. Gombio, and Jerome G. Sagun*	Presenter 4
2:30 PM-2:45 PM	"POWERSYNC: OPTIMIZING ENERGY MONITORING THROUGH ARDUINO AND RASPBERRY PI SERVER BASED CONTROL SYSTEM" *Euder Wayne P. Dugay, Gabrielle C. Rivera, and Lloyd Vince Angelo B. Tadeo*	Presenter 5
2:45 PM-3:00 PM	"BREWBOT: DESIGN AND DEVELOPMENT OF COLLABORATIVE ROBOTIC ARM SYSTEM FOR TURKISH SAND COFFEE MAKING" *Hershy D. Basconillo, Elija Marie B. Mabbayad, and Denise A. Visbal*	Presenter 6
3:00 PM-3:15 PM	"WATTCHER: A CENTRALIZED ELECTRICAL ENERGY MONITORING SYSTEM WITH IoT CONNECTIVITY" *Edrick Lorence B. Garcia, Shein Marcos, and James Michael B. Tallungan*	Presenter 7
3:15 PM-3:30 PM	"PAAW: PORTABLE ASSISTANT FOR ANIMAL WELFARE, A DECISION SUPPORT SYSTEM FOR THE PROVINCIAL VETERINARY SERVICES OFFICE OF NUEVA VIZCAYA" *Camille Jesmin B. Naces, Hendre Leigh O. Sagabaen, Melbrael B. Santiago, and Angel Hamelton Yacapin*	Presenter 8
3:30 PM-3:45 PM	"GRADLINK: ALUMNI TRACER AND RECORD MANAGEMENT SYSTEM FOR THE SCHOOL OF GRADUATE STUDIES OF SAINT MARY'S UNIVERSITY" *Nhizza S. Nueva, Jericho T. Pineda, Jo Arman Ken N. Quiambao, and Marc Edison D. Suarez*	Presenter 9
3:45 PM-4:30 PM	Panel Review and Feedback	Panel of Evaluators
4:30 PM-4:45 PM	Open Forum	Presenters and Participants
4:45 PM-4:55 PM	Awarding of Certificates	Department Heads
4:55 PM-5:00 PM	Closing Remarks	

PANEL OF EVALUATORS

Ar. Christopher R. Dominguez

Engr. Jefrie T. Alindayu

Ms. Krby Zyryll G. Perez

Engr. Christopher John P. de Vera

Engr. Paulina A. Marzan

The forum featured nine student-led research presentations encompassing diverse disciplines such as civil, computer and electrical engineering, architecture, and information technology. The research topics presented demonstrated a wide array of innovative and practical solutions addressing real-world challenges, including sustainable construction materials and structural alternatives, technological applications for energy monitoring and control, mobile infrastructure for urban mobility, and system development for institutional management and public service.

Each presenter articulated the objectives, methodology, findings, and implications of their respective studies, followed by an evaluative discussion with a panel of experts. This panel, composed of faculty members and industry practitioners, offered critical feedback aimed at fostering academic rigor and professional development. An open forum further facilitated academic exchange among participants and attendees, allowing for clarification of research insight. The awarding of certificates recognized the academic contributions of all presenters, with special commendation given to Mr. Jericho Pineda as the Best Presenter.

Overall, the event successfully underscored SEAIT's dedication to cultivating a research-driven academic culture and provided a vital platform for the practical application of student research in addressing contemporary societal issues.

B. Summary of the Activity Evaluation

Participants and evaluators alike acknowledged the high quality and relevance of the research topics, noting their alignment with current industry challenges and academic standards. The presenters demonstrated commendable mastery of their subject matter, effectively communicating their research objectives, methodologies, and findings. Feedback from the panel of experts was constructive and insightful, fostering a supportive environment for academic growth and refinement. The open forum was particularly praised for encouraging dynamic interaction and interdisciplinary dialogue among attendees. Furthermore, the recognition of outstanding presentations, including the award for Best Presenter, served to motivate participants and underscore the importance of research excellence.

C. Appendices

1. Photo Documentation







SAINT MARY'S UNIVERSITY
BAYOMBONG, NUEVA VIZCAYA, PHILIPPINES
INSTITUTIONAL DEVELOPMENT AND QUALITY ASSURANCE OFFICE

Document Code	EOMS-QAO-FO-010, Rev. 00
Effectivity Date	2024/12/08
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Prepared by:

Engr. MICHELLE KYRA S. BAUTISTA
SEAIT, Research Coordinator

University Research Center Annual Report, AY 2024-2025 (cover; peer reviewers; Scopus publications; Passion for Mission Journal and Research Abstracts)

SAINT MARY'S UNIVERSITY
BAYOMBONG, NUEVA VIZCAYA, PHILIPPINES
UNIVERSITY RESEARCH CENTER

Document Code	EOMS-QAO-FO-008, Rev. 00
Effectivity Date	2024/12/08
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ANNUAL REPORT

A.Y. 2024-2025

June 2024 - May 2025

In August 2020, the University Research Center (URC) achieved yet another significant milestone by helping established the University Research Ethics Board (UREB). The decision to create the UREB stemmed from several critical factors: In an era where research and documentary works profoundly impact human participants, communities, and the environment, an ethics board became essential. Legal provisions, including data privacy regulations and calls for stronger protection of intellectual property rights, underscored the need for ethical oversight. Mr. Jayson L. Maslang was appointed to lead the UREB. Departmental and institutional members attended Basic Research Ethics Training sponsored by the DOST – Philippine Health Research Ethics Board (PHREB) in January 2021. The Office was renamed as the University Research Ethics Office (UREO), but the UREB was retained for the ethic board reviewers. On Oct. 20, 2023, the office was awarded Level 1 Accreditation by the DOST-PHREB. The UREB continues its journey toward Level 2 accreditation.

Meanwhile, as the University focuses on patenting original works, a new research approach emerged. Schools designated as Centers of Development (e.g., Engineering, Information Technology) now emphasize applied research with patentable products. The institution created the Technology Transfer and Business Development Office (TTBDO) to oversee faculty and student projects for potential patenting and commercialization. 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. On July 7, 2023, under the leadership of Engr. Angelino A. Pimentel, head of the TTBDO, the research entitled: AI-based Analysis and Development of Wearable Navigating Technology for People with Blindness (Project e-SENSE) was given funding by the DOST - Philippine Council for Industry, Energy and Emerging Technology Research and Development with the amount of Php 1,000,000.00. On October 5, 2023, the research titled: Collaborative robotics and AI Center: Establishment of Adaptive Robotics Technology and Intelligent Computing Center (Project ARTIC) for the Food Industry Application was again given funding by the same agency with the amount of Php 5,000,000.00. Lastly, on November 13, 2023, SMU through the TTBDO was awarded by the Department of Trade and Industry Region 2 with a grant of Php 4, 500,000 for the project titled: Nueva Vizcaya Fabrication Laboratory for Furniture, GHD and Wearable Expansion.

Another paradigm shift was the introduction of the Four-Chapter Format in February 2021, which many higher education institutions are now following. The four-chapter format follows the IMRAD publishable format to lessen the burden of writing on the part of thesis writers and to prepare the theses for their eventual international publication in refereed journals following the IMRAD format. Thus, the graduate and undergraduate research writing guide and formats have been revised.

In 2021, the URC crafted a new Research Agenda to complement the new SMU Institutional Development Plan for 2021-2026. The WEALTH version 2 R&D of Saint Mary's University is a 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) Consolidate all research works along priority themes to nurture a culture of excellence in research production, scholarship engagements and creative endeavors; (b) Promote greater alignment and partnerships between institutional research undertakings and local, national and international R and D agenda and support programs to optimize benefits derived from grant investments, people, system and program capacitation; (c) Enhance social benefits 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.

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

Subarea	Title	Brief Description (Limit to 100 words indicating Who, What, When, Where)	Link to Narrative Report	Link to Documentation (Narrative Report, Attendance Sheets, Proceedings, Certificates, etc.)
		A Multidisciplinary Journal **(Scopus-Indexed)**		
		Dr. Elsa L. Cajucom, Lead Author, International Publication. *Assessing Nitrate and Phosphate Contaminants in Agricultural Soils and Groundwaters: Implications for MLGU Restoration and Eutrophication Management.* Mindanao Journal of Science and Technology, 22. Special Issue, 2024 **(Scopus-Indexed)**		● Assessing Nitrate and Phosphate Contaminants in Agricultural Soils and Groundwaters: Implications for MLGU Restoration and Eutrophication Management
		Angelino A. Pimentel & Gerene-leigh Almazan, Authors. *Optimized Obstacle Detection for the Visually Impaired Using a Machine Learning-Based Modified Map Function for Ultrasonic Sensors.* 2024 5th International Conference on Biomedical Engineering (IBIOMED), Bali, Indonesia, 2024, pp. 81-86, doi: 10.1109/iBioMed62485.2024.10875815. **(Scopus-indexed)**		● Optimized Obstacle Detection for the Visually Impaired Using a Machine Learning-Based Modified Map Function for Ultrasonic Sensors

Subarea	Title	Brief Description (Limit to 100 words indicating Who, What, When, Where)	Link to Narrative Report	Link to Documentation (Narrative Report, Attendance Sheets, Proceedings, Certificates, etc.)
		Angelino A. Pimentel, Teofilo M. Sagabaen & Rojan I. Reyes, Authors. *Development of an Integrated Off-Grid Audio and Haptic Wearable Vest for Visually Impaired Navigation.* 2024 5th International Conference on Biomedical Engineering (IBIOMED), Bali, Indonesia, 2024, pp. 69-74, doi:10.1109/iBioMed62485.2024.10875761. **(Scopus-indexed)**		● Development of an Integrated Off-Grid Audio and Haptic Wearable Vest for Visually Impaired Navigation
*Other Publications (For EDCOM and UI Green Metric Reports)		**Samuel B. Damayon, Promoter:** *Police Mobile Force Company: A Post-Pandemic Analysis of Job Satisfaction, Stress levels, and Professional Profiles of Police Officers.* International Journal of Research and Innovation in Social Sciences (IJRSS), 8 (8). ISSN No. 2454-6186. DOI: 10.47772/IJRISS **Dr. Mayvelyn S. Covita, Promoter:** *Social Media's Influence on Tourists' Choice of Destination.* International Journal of Research and Innovation in Social Science (IJRISS), Sept. 3, 2024 *Farming for the Future: Assessing Sustainable*		Sample snippet of the publications ● Police Mobile Force Company: A Post-Pandemic Analysis of Job Satisfaction, Stress levels, and Professional Profiles of Police Officers ● Social Media's Influence on Tourists' Choice of Destination

Subarea	Title	Brief Description (Limit to 100 words indicating Who, What, When, Where)	Link to Narrative Report	Link to Documentation (Narrative Report, Attendance Sheets, Proceedings, Certificates, etc.)
		University Library. Library Philosophy and Practice. Nebraska University, US. March, 2025		Learning Spaces for a State University Library
d. In-house Research Publications		**Vol. 11 of the SMU Research Abstracts**. This volume features a curated collection of research summaries from Saint Mary's University's faculty and students, showcasing innovative studies across various disciplines. It highlights significant findings and contributions to the academic community, demonstrating the university's commitment to research excellence and advancement. **Volume 2 of the Passion for Mission Journal**. This journal focuses on community service and outreach efforts, documenting impactful projects and initiatives led by SMU. It emphasizes the university's dedication to social responsibility and mission-driven work, highlighting the transformative impact of these efforts on local and global communities. **Undergraduate Research In-house Journals**. Currently in the layout and proofreading stages, these journals will soon		Digital Copies of the Research Abstracts and Passion for Mission Journal