



Tarlac State University  
Office of University Extension Services

Interdisciplinary  
Extension Journal  
of Tarlac State University

# The Porch

*Book of Abstracts*

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# Preface



THE PORCH is the interdisciplinary extension journal of Tarlac State University, compiling the abstracts of extension papers presented during SINAG: In-House Review of Extension Programs and Projects (InREP) 2025, held at the TSU Amphitheater, Villa Lucinda Campus, on December 16, 2025. This volume serves as a testament to the University's continuing commitment to excellence in extension service, knowledge sharing, and community engagement.

The SINAG InREP 2025 provided a structured and scholarly venue for evaluating the University's extension programs and projects to ensure their quality, relevance, sustainability, and responsiveness to the needs of partner communities. Through this activity, faculty extensionists and project leaders were given the opportunity to present the outcomes of their initiatives, reflect on best practices, and receive expert recommendations for further improvement.

A distinguished panel of evaluators from partner higher education institutions and the University generously shared their time and expertise in assessing the presented programs and projects. Their professional insights contributed significantly to strengthening the implementation, impact, and alignment of extension initiatives with institutional goals and community development priorities. The evaluation process included formal presentations, technical discussions, and constructive feedback designed to enhance the effectiveness and sustainability of the University's extension efforts.

A total of nine extension programs and projects, consisting of ongoing and completed initiatives, were carefully reviewed during the activity. These projects demonstrated the diverse ways by which the University fulfills its mandate of service to the community through capacity-building, technical assistance, research-based interventions, cultural preservation, governance support, and innovation-driven development. The recognition of outstanding papers during the review further highlights the dedication of faculty members and extension practitioners in delivering programs that create meaningful and lasting impact.

Through this publication, THE PORCH continues to document and disseminate the valuable work of the University in the field of extension. By compiling the abstracts of the papers presented during SINAG InREP 2025, this journal not only preserves the knowledge generated from these initiatives but also serves as a reference for future programs, collaborations, and scholarly undertakings.

The Office of University Extension Services expresses its sincere appreciation to all authors, presenters, evaluators, and partner institutions whose support made the successful conduct of SINAG InREP 2025 possible. Their collective efforts reaffirm the University's commitment to excellence, innovation, and social responsibility in extension service delivery.

May this volume inspire continued collaboration, strengthen community partnerships, and guide future extension endeavors in advancing inclusive and sustainable development.

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# University-Driven Innovation Support for Sustainable Development: The ASLAG YAMANG-ISIP Hub as a Model for IP Outreach

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## Abstract

This paper designed an extension program model that can be replicated by higher education institutions in delivering extension services to the community that contribute to the raising of innovative landscapes in their respective regions and locality. The model shows strategies on how to raise awareness of the importance and contributions of intellectual property in the pursuit of innovative and creative ecosystems in such a way that addresses sustainable development goals. This model was followed by an extension program that resulted to 3 MOAs signed, 6 public schools and 1 local college tapped, and IP rights maintained and registered. The framework of the model includes formalizing MOAs, coordinated implementation, tailored modules, and systematic reporting. The extension program model operationalizes endogenous growth theory through an innovation-based model for the promotion of innovative ecosystems.

# Co-Creating Local Historical Knowledge with Moncadenians and Cultural Bearers: Documenting Moncada's Heritage in the Moncada@150 Initiative

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## Abstract

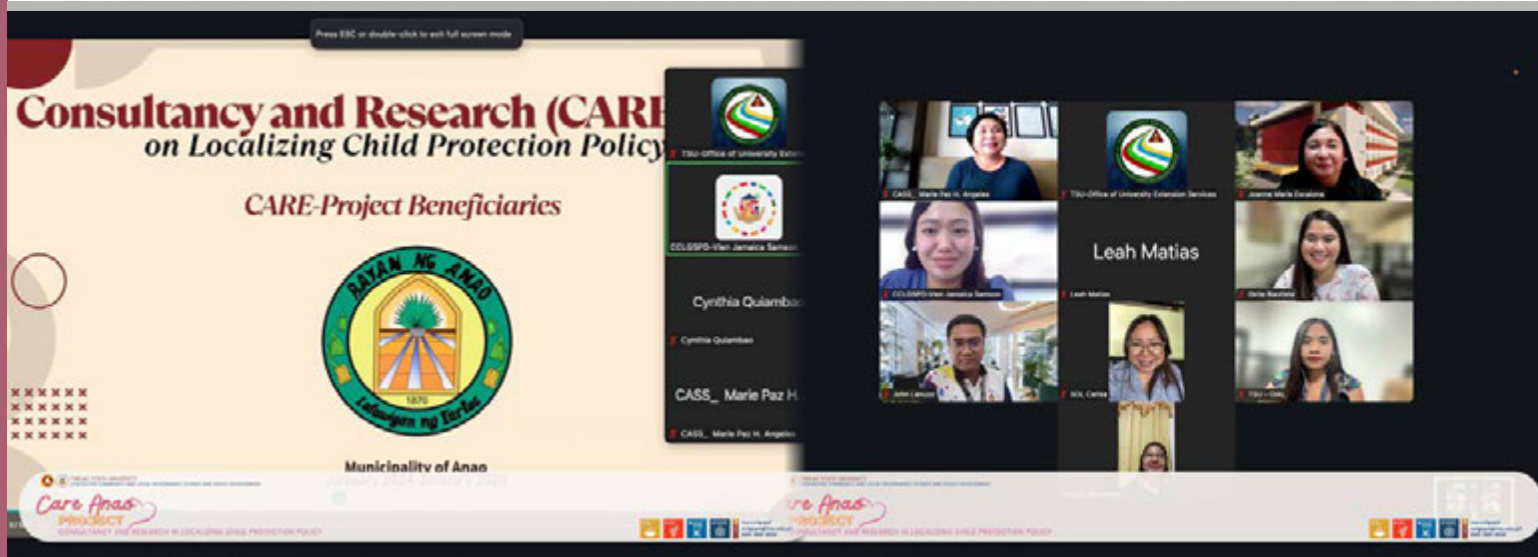
In accordance with the National Cultural Heritage Act of 2009, the Department of the Interior and Local Government (DILG) require all LGUs to record local history and culture. Therefore, the Municipality of Moncada took prime action to comply with the mentioned law, recognizing it as one of the key priority of the local administration. To carry out such plan, the Municipality of Moncada sought assistance to the Tarlac State University-Center for Community and Local Governance Studies and Policy Development (CCLGSPD) to implement various strategies in order to achieve the priority of the local administration. Due to the municipality's impending 150th anniversary of founding, it was also an excellent opportunity to record its history and culture. This collaborative initiative titled "Co-Creating Local Historical Knowledge with Moncadenians and Cultural Bearers: Documenting Moncada's Heritage" was timely and significant, especially with the municipality's impending 150th founding anniversary. An extension initiative titled "Preserving Moncada's Legacy: A Path to 150 Years" or Moncada@150 Project was launched last May 31, 2024, to conduct archival research, cultural mapping in coordination with the National Commission of Culture and Arts (NCCA), community awareness and cultural branding, educational programs, and establishment of both physical and digital heritage repositories. The mentioned project also partnered with various non-government organizations to support the implementation of the project. The heart of this initiative is the formal validation and institutionalization of Moncada's local history. The major milestone through archival research is the formal correction of the Moncada's founding date from July 1, 1875, to May 1, 1874, through the publication of the official monograph *San Ramon's Moncada: A Town's History*. Hence, two major legislative outcomes have emerged and been utilized under the initiative: 1) the Municipal Ordinance No. 2024-020, officially establishing May 1, 1874, as Moncada's true foundation date; and 2) Municipal Ordinance No. 2025-003, which formally establishing the Museo de Moncada, as municipality's cultural and historical hub. These ordinances ensure sustainability of the project's initiative and recognition and promotion of local cultural heritage. Further, the project has deeply contributed to the Sustainable Development Goals (SDGs) related to cultural preservation, building strong institutions, and quality education.

# Towards Child-Friendly Governance: Consultancy and Research (CARE) on Local Child Protection Policies in Tarlac

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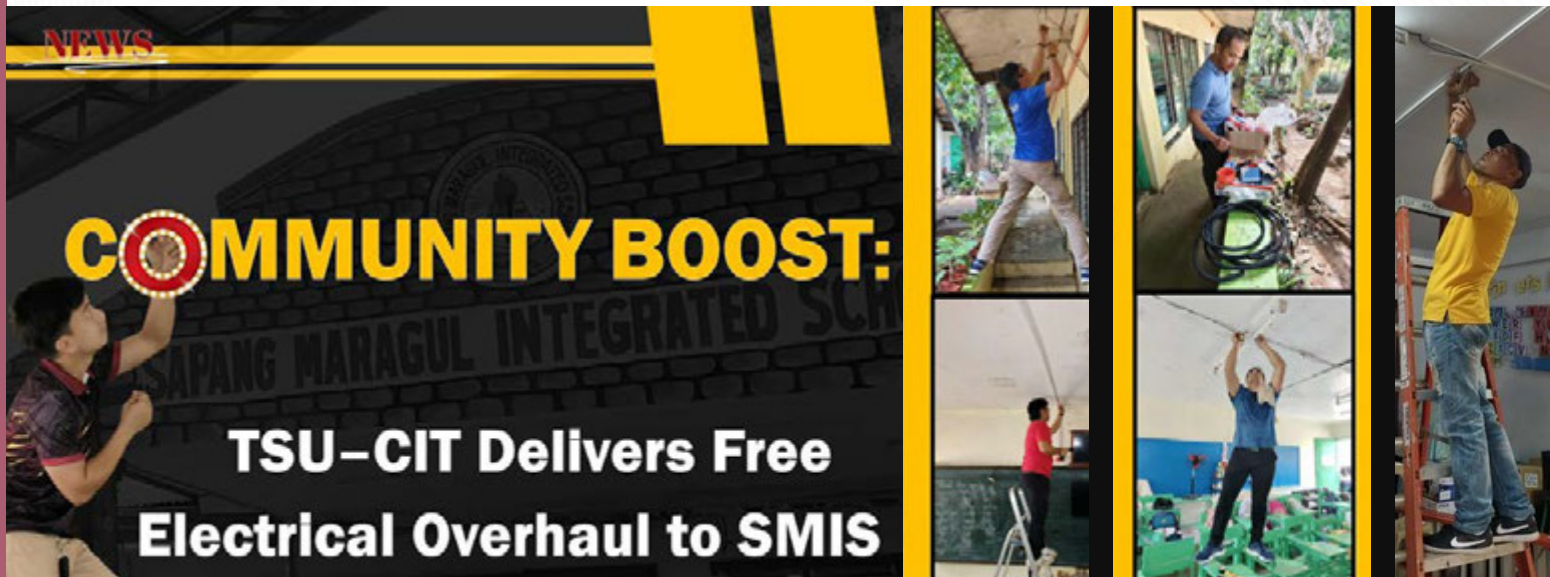
## Abstract

The Department of the Interior and Local Government (DILG) places strong emphasis on child protection, thereby directing all Local Government Units (LGUs) to institutionalize and fully implement their local child protection policies. Hence, the municipality of Anao, Pura and Ramos in the province of Tarlac sought assistance to the Tarlac State University to strengthen the child protection mechanisms to comply with the directive of the DILG and to achieve and sustain the Seal of Child-Friendly Municipality. Through series of focus group discussions, triangulation, and consultations with the stakeholders, it revealed that the core issue is the limited access of vulnerable children to support systems, impacted by insufficient training of frontline workers, fragmented documentation and weak policy implementation which contributes to the vulnerability of the children within the mentioned municipalities. In response to this, the Tarlac State University-Center for Community and Local Governance Studies and Policy Development (TSU-CCLGSPD) implemented an extension program titled "Consultancy and Research (CARE) on Localizing Child Protection Policy in the Province of Tarlac" which provides multidisciplinary support that includes research, capacity building, and crafting child protection policies. In addition, it integrates legal assistance and psychological assistance and governance expertise from the various colleges/offices ensuring holistic approach.

# Advancing Educational Infrastructure: Electrical System Optimization for Safer and Sustainable Learning Environments

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## Abstract

This project reports on the Electrical System Enhancement for Sapang Maragul Integrated School (SMIS), a technical assistance initiative conducted by the Tarlac State University–College of Industrial Technology (TSU-CIT) to resolve critical infrastructural deficits. A Needs Assessment identified a systemic electrical failure: the outdated 60 A service capacity was dangerously inadequate for the actual 105 A demand of the 20 classrooms and offices across nine school buildings. This resulted in frequent power fluctuations, an excessive 5.50% voltage drop, and immediate safety hazards from undersized conductors. The intervention followed a Technical Assistance Model over 216 dedicated hours (June 10–July 15, 2025). TSU-CIT personnel executed a systematic solution, including the guided procurement of Php 62,470.00 in quality materials and the installation of new, correctly sized main distribution lines (Objective 1) and the complete rewiring and upgrade of fixtures in instructional areas (Objective 2). The project successfully eliminated all electrical safety hazards (Objective 3) and restored stable, reliable electrical power (Objective 4). This achievement removed the critical barrier to academic operations and enabled the functional use of all ICT instructional equipment. The project validates the role of university extension in providing specialized technical content to secure safe and sustainable learning environments, with ongoing maintenance committed through December 2026.

# From Classroom to Enterprise: Program Evaluation of TSU DCGTIS Extension Service on Student Entrepreneurship Through the Case of Marquez Food Products

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## Abstract

Entrepreneurship among the youth identifies experiential learning and school-community collaboration in shaping entrepreneurial competence in students. The Bachelor of Science in Accounting Information System (BSAIS) Program offered an extension program in Don Casimiro G. Tañedo Integrated School (DCGTIS) as a way of enhancing the knowledge of Grade 12 students in preparing feasibility studies, developing products, financial analysis, and simple basic business operations. The purpose of this descriptive study was to record the analyze the way the students put to practice the learned knowledge, discuss the experiences of the students when exposed to the market, explain the evolution of the Marquez Food Products, the change in the student confidence and entrepreneurial behavior, and the challenges faced. The study discovered that structured workshops and mentoring allowed students to create detailed feasibility studies and market ready product prototypes. Activities such as market exposure, such as taking part in the public market, community caravan, and provincial business expo gave the students the real selling experience that boosted their communication, flexibility, and initiative. One of the significant consequences was the forming and registration of DTI of Marquez Food Products, which proves that students can convert their academic needs into a working business. There was also significant improvement in motivation, teamwork, and problem-solving among students despite the difficulty in managing the budget, time, and product consistency. The findings confirm the relevance of experience and mentor-based learning in empowering young people in entrepreneurship and provide a reason why institutional assistance and systematic program design should remain.

# Assessing the Potential Impacts of the Project “It Takes a Big Heart to Shape and Transform Little Minds Project: Tutorial Sessions for Sto. Cristo Integrated School”

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## Abstract

This research paper investigated the impacts of the extension project conducted by the College of Education at Sto. Cristo Integrated School. The project was carried out at Sto. Cristo Integrated School. The goal was to improve student learning results by addressing academic problems and offering individualized attention. Using a mixed-methods approach, the study assessed how well the tutorial sessions accomplished their goals by combining quantitative evaluations of academic performance with qualitative input from students, instructors, and school administrators. Improvements in academic achievement heightened motivation and involvement among students, and the overall effect on students' personal development are important areas of emphasis. According to the findings, the tutorial sessions significantly improved the academic abilities of the students, including their reading comprehension, problem-solving skills, and self-confidence. The project also increased student motivation and engagement, which helped to improve the students' outlook on learning. Stakeholder feedback emphasized the importance of personalized attention and the encouraging learning atmosphere the initiative fostered. Future initiatives should include broadening the program's reach, adding more support systems, and keeping the community involved in the educational process. This study highlights the value of focused educational interventions in supporting student achievement and offers insightful information for projects of a similar nature in other educational contexts.

# Profiling the Katipunan ng Kabataan challenges and opportunities: A baseline study of engagement and development strategies in Tarlac City

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## Abstract

Youths are the nation's hope for national development. The Sangguniang Kabataan (SK) was mandated by the Local Government Code of 1991 and the Republic Act 10742 to create innovative platforms to serve and engage the youths. The recent SK election has opened opportunities for newly elected SK officials to transform the traditional SK image of conducting sports activities (Liga) to a more valuable youth engagement in the barangays. Hence, a Katipunan ng Kabataan (KK) profiling extension activity was requested by the SK Council in a barangay in Tarlac City to determine the problems and challenges of the youth, which will be used in creating plans for them. A survey questionnaire was developed based on the Center of Youth Participation as per the National Youth Commission (NYC). A total of 386 Kks were profiled through survey questionnaires and interviews. Findings revealed that the majority of the Kks belong to young youths with female dominance. In addition, 162 (42%) of the youths profiled belong to out-of-school youths (OSY). Vast problems and challenges are identified in education, economic opportunities, health, and community participation. Future extension services proposed in partnership with the university are highly recommended. With an emphasis on determining KK problems and areas of involvement, it is also strongly suggested that this extension initiative be replicated in other barangays as it will provide ways for more engaging and inclusive youth participation toward development.

# An Impact Assessment of the BSBA Marketing Management Department's Extension Programs on the Aeta Abelling Tribe of Sitio Dueg, San Clemente, Tarlac

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## Abstract

The Aeta Abelling Tribe of Sitio Dueg, San Clemente, Tarlac has a unique way of life and skills yet has difficulty distributing and selling their products to the market. In order to address this, the Marketing Management Department of the College of Business and Accountancy worked with the Department of Science and Technology—Community Empowerment through Science and Technology (DOST-CEST) to help them properly sell and market their products. This study assesses the impact of the marketing interventions on the Indigenous People with the basic understanding, knowledge, and information they would need. The study aims to improve and enhance their ways of marketing as well as the proper labeling and packaging of the products. Through the seminars, coaching, mentoring, and monitoring, the study assessed the impact of these interventions on marketing concepts, which are the 4Ps of marketing, the packaging layouts and labels, brand identity, and recognition within the province. The results show some remarkable accomplishments, such as application of basic marketing concepts, receiving an award, opening a pasalubong center, expanding their product lines, and establishing new channels of distribution and empowerment through knowledge transfer and immediate utilization of packaging and labeling. The Indigenous People were awarded as the first runner-up for the best CEST community by DOST Region III and received two hundred thousand pesos worth of CEST projects in 2023 and awarded as Central Luzon Best CEST Community and was one of the finalist for the National Best CEST Community in 2024. The intervention also opens an opportunity for them, the presence and expansion of their products on the schools, coffee shops and even retail outlet in Tarlac City proves that the conducted seminars, coaching, mentoring, and monitoring sessions, needs assessment, consultancies, training on product development has led to increase their sales. The community, which reflects the values of growth and cooperation supported by the TSU-DOST CEST Program and the Local Government of San Clemente, Tarlac, has plans for continuing success and resilience by means of improved and optimized relationships and empowered individuals. All in all, the implementation and impact study of these initiatives emphasizes their significance in driving positive change within the community and business industry.

# Empowering Child Development Workers: A Key to Quality Education, Governance, and Welfare of Child Care Services in the Province of Tarlac

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## Abstract

The Department of Social Welfare and Development (DSWD) issued administrative order no. 15 s.2011 "Guidelines for the Accreditation of Daycare Centers (DCCs) and Daycare Workers (DCWs)" which aims to enhance the delivery of childcare services in the country. Child development workers (CDWs) often have limited childcare capacity in the province, which affects accreditation under AO No. 15 s. 2011 and leads to higher turnover rates among childcare workers. To address the mentioned challenges, an extension titled Project Sustainable Training Assistance and Revitalized Teaching (START) for the CDWs in the Province of Tarlac was implemented to intensify the experiences in dealing with children and working on child-related programs and services. This paper aims to present the project's accomplishment and its immediate outcomes. A survey questionnaire was administered to the CDWs to assess their knowledge adoption/application about the training they received. Eight (8) municipalities have signified their intent to be a part of the project START and signed agreements with the university for the project execution. This partnership has both been mutually beneficial, particularly in adhering to the duties and functions of each. The project also partnered with a private educational institution that specializes in handling children with special needs. A total of 231 CDWs have been trained, and the training consists of a series of training workshops related to curriculum planning, developing learning materials, classroom management, creative activities, and collaboration with parents and barangay councils. The participants gave the training a high rating for applying the knowledge gained. As a result, the training received boosted CDWs' confidence and the acquired training certificates to be used for their accreditation. It is highly recommended to replicate and adapt Project START for the remaining municipalities and cities in the province of Tarlac.





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