INSTABRIGHT e-GAZETTE
ISSN: 2704-3010
Volume VIII, Issue I
August 2026
Available online at https://www.instabrightgazette.com

****

TECHNOLOGY AND LIVELIHOOD EDUCATION (TLE) AS A TOOL FOR QUALITY EDUCATION: IMPLICATION FOR STUDENT PERFORMANCE AND SKILL DEVELOPMENT

SHERIELYN L. JAMIG
Master of Arts in Education Major in Technology and Livelihood Education
Graduate School of Education, University of Perpetual Help System-DALTA
Adviser: Emma E. Linga, Ed.D.

ABSTRACT

The study assessed how well Technology and Livelihood Education (TLE) is implemented as a tool for quality education in selected public elementary schools in the Districts of Boac North and Boac South, Division of Marinduque, during SY 2023–2024. The respondents included 42 TLE teachers and 38 School Heads chosen purposively. Results revealed that teaching skills were evaluated as "Very Effective" overall, with classroom management being the strongest domain. The extent of TLE implementation in enhancing practical skills was "Very Satisfactory" across all areas, with higher performance observed in Agriculture and Home Economics compared to Industrial Arts and Entrepreneurship/ICT. A significant difference was found between the assessments of School Heads and Teachers regarding TLE teaching effectiveness, while a strong positive correlation was established between effective teaching skills and student practical skill enhancement. A Faculty Development Instructional Guide using the 5Es framework was proposed as the final output.

****

Editorial Team

Editor-in-Chief: Alvin B. Punongbayan
Associate Editor: Andro M. Bautista
Managing Editor: Raymart O. Basco
Web Editor: Nikko C. Panotes

Manuscript Editors / Reviewers:

Chin Wen Cong, Christopher DC. Francisco, Camille P. Alicaway, Pinky Jane A. Perez, Mary Jane B. Custodio, Irene H. Andino, Mark-Jhon R. Prestoza, Ma. Rhoda E. Panganiban, Rjay C. Calaguas, Mario A. Cudiamat, Jesson L. Hero, Albert Bulawat, Cris T. Zita, Allan M. Manaloto, Jerico N. Mendoza

****

INSTABRIGHT e-GAZETTE
ISSN: 2704-3010
Volume VIII, Issue I
August 2026
Available online at https://www.instabrightgazette.com

****

INTRODUCTION

- **Background of the Study:** High-quality education sets the foundation for life-long learning and job readiness. In the Philippines, the K-to-12 curriculum emphasizes integrating technical and practical learning at the elementary level through Technology and Livelihood Education (TLE). TLE encompasses Agriculture, Home Economics, Entrepreneurship/ICT, and Industrial Arts to foster practical life skills, responsibility, and discipline.

- **Statement of the Problem:** The study aimed to evaluate the effectiveness of TLE teaching skills and its impact on student practical skill enhancement in Boac North and Boac South Districts. Specifically, it determined:

    1. The demographic profiles of School Heads and Teachers.
    2. The level of implementation of TLE teaching skills (Content Knowledge, Pedagogical Skills, Teaching Resources, Classroom Management).
    3. The extent to which TLE enhances students' practical skills across the four strands.
    4. Significant differences between the assessments of School Heads and Teachers.
    5. Significant relationships between TLE teaching skills implementation and practical skill enhancement.
    6. The proposed faculty instructional guide.

****

Editorial Team

Editor-in-Chief: Alvin B. Punongbayan
Associate Editor: Andro M. Bautista
Managing Editor: Raymart O. Basco
Web Editor: Nikko C. Panotes

Manuscript Editors / Reviewers:

Chin Wen Cong, Christopher DC. Francisco, Camille P. Alicaway, Pinky Jane A. Perez, Mary Jane B. Custodio, Irene H. Andino, Mark-Jhon R. Prestoza, Ma. Rhoda E. Panganiban, Rjay C. Calaguas, Mario A. Cudiamat, Jesson L. Hero, Albert Bulawat, Cris T. Zita, Allan M. Manaloto, Jerico N. Mendoza

****

INSTABRIGHT e-GAZETTE
ISSN: 2704-3010
Volume VIII, Issue I
August 2026
Available online at https://www.instabrightgazette.com

- **Theoretical Grounding:** The research is anchored on Experiential Learning Theory (Kolb), Constructivist Theory (Piaget & Vygotsky), Multiple Intelligences Theory (Gardner), Human Capital Theory (Becker), and Systems Theory in Education (von Bertalanffy).

METHODOLOGY

- **Research Design:** A descriptive-correlational research design was employed to observe existing TLE teaching practices and assess the statistical relationship between instructional implementation and student skill development.
- **Population and Sampling:** Purposive sampling/complete enumeration was used involving thirty-eight (38) School Heads and forty-two (42) TLE Teachers from public elementary schools in Boac North and Boac South, Division of Marinduque.
- **Instrumentation:** A validated Questionnaire-Checklist aligned with DepEd's Most Essential Learning Competencies (MELCs) was utilized. The instrument was tested for reliability, obtaining a Cronbach's Alpha score of **0.986** (interpreted as "Excellent").
- **Statistical Treatment:** Frequency, percentage, mean, and standard deviation were used for demographic and level of implementation analysis. Independent sample t-test was used to determine significant differences, while Pearson's Product-Moment Correlation (r) measured relationships.

Editorial Team
Editor-in-Chief: Alvin B. Punongbayan
Associate Editor: Andro M. Bautista
Managing Editor: Raymart O. Basco
Web Editor: Nikko C. Panotes
Manuscript Editors / Reviewers:
Chin Wen Cong, Christopher DC. Francisco, Camille P. Alicaway, Pinky Jane A. Perez, Mary Jane B. Custodio, Irene H. Andino, Mark-Jhon R. Prestoza, Ma. Rhoda E. Panganiban, Rjay C. Calaguas, Mario A. Cudiamat, Jesson L. Hero, Albert Bulawat, Cris T. Zita, Allan M. Manaloto, Jerico N. Mendoza

INSTABRIGHT e-GAZETTE
ISSN: 2704-3010
Volume VIII, Issue I
August 2026
Available online at https://www.instabrightgazette.com

****

RESULTS

1. Demographic Profile Highlights

- **School Heads:** Majority belong to the 40–49 age group (50.0%), are male (52.6%), and have served as school head for 1–5 years (44.7%).
- **Teachers:** Majority belong to the 30–39 age bracket (57.1%), are female (76.2%), hold a Bachelor's degree (95.2%), and have 1–5 years of TLE teaching experience (50.0%).

2. Level of Implementation of TLE Teaching Skills

- **Content Knowledge:** Composite Mean = **3.55** (*Highly Effective*).
- **Pedagogical Skills:** Composite Mean = **3.55** (*Highly Effective*).
- **Use of Teaching Resources & Materials:** Composite Mean = **3.50** (*Highly Effective*).
- **Classroom Management Skills:** Composite Mean = **3.67** (*Highly Effective*).
- **Overall Implementation Mean: 3.57** (*Highly Effective*).

3. Extent of Practical Skill Enhancement Among Learners

- **Agriculture:** Mean = **3.54** (*Excellent*).
- **Home Economics:** Mean = **3.54** (*Excellent*).
- **Industrial Arts:** Mean = **3.49** (*Very Satisfactory*).
- **Entrepreneurship / ICT:** Mean = **3.24** (*Very Satisfactory*).

****

Editorial Team

Editor-in-Chief: Alvin B. Punongbayan
Associate Editor: Andro M. Bautista
Managing Editor: Raymart O. Basco
Web Editor: Nikko C. Panotes

Manuscript Editors / Reviewers:

Chin Wen Cong, Christopher DC. Francisco, Camille P. Alicaway, Pinky Jane A. Perez, Mary Jane B. Custodio, Irene H. Andino, Mark-Jhon R. Prestoza, Ma. Rhoda E. Panganiban, Rjay C. Calaguas, Mario A. Cudiamat, Jesson L. Hero, Albert Bulawat, Cris T. Zita, Allan M. Manaloto, Jerico N. Mendoza

****

INSTABRIGHT e-GAZETTE
ISSN: 2704-3010
Volume VIII, Issue I
August 2026
Available online at https://www.instabrightgazette.com

- **Overall Enhancement Mean: 3.45** (*Very Satisfactory*).

4. Inferential Test Results

- **Difference in Assessment:** The t-test values ranged from -23.060 to -27.312 ($p=0.000<0.05$), rejecting the null hypothesis. There is a **significant difference** in how School Heads and Teachers evaluate the implementation of TLE teaching skills.
- **Relationship with Skill Enhancement:** Pearson r correlation yielded significant strong positive relationships across all TLE strands:
    - Entrepreneurship/ICT ($r=0.699, p=0.000$)
    - Agriculture ($r=0.685, p=0.000$)
    - Home Economics ($r=0.745, p=0.000$)
    - Industrial Arts ($r=0.735, p=0.000$)

DISCUSSION & RECOMMENDATIONS

- **Discussion & Key Conclusions:**
    1. School Heads exhibit strong administrative maturity, while TLE teachers present a dynamic blend of youthful energy and adaptable instructional capabilities.
    2. Classroom management is the strongest asset of TLE instruction, whereas the utilization of teaching resources and digital tools leaves room for expansion.

Editorial Team
Editor-in-Chief: Alvin B. Punongbayan
Associate Editor: Andro M. Bautista
Managing Editor: Raymart O. Basco
Web Editor: Nikko C. Panotes
Manuscript Editors / Reviewers:
Chin Wen Cong, Christopher DC. Francisco, Camille P. Alicaway, Pinky Jane A. Perez, Mary Jane B. Custodio, Irene H. Andino, Mark-Jhon R. Prestoza, Ma. Rhoda E. Panganiban, Rjay C. Calaguas, Mario A. Cudiamat, Jesson L. Hero, Albert Bulawat, Cris T. Zita, Allan M. Manaloto, Jerico N. Mendoza

INSTABRIGHT e-GAZETTE
ISSN: 2704-3010
Volume VIII, Issue I
August 2026
Available online at https://www.instabrightgazette.com

****

3. The perceptual gaps between administrators and teachers stem from administrative/standards-based evaluations versus daily instructional execution, highlighting the need for collaborative feedback systems.
4. The significant positive correlation proves that elevating teacher competency directly improves student practical proficiency in livelihood areas.

- **Proposed Output:** A Faculty Instructional Development Program titled *"Bridging Gaps in TLE Instruction: A Faculty Development and Performance Alignment Program"* incorporating 5Es Lesson Plans (Engage, Explore, Explain, Elaborate, Evaluate) in Elementary Agriculture and ICT/Entrepreneurship.
- **Recommendations:**
    1. Provide continuous professional development, mentoring, and support for teachers to pursue postgraduate studies.
    2. Enhance school facilities, ICT tools, and specialized instructional materials for hands-on activities.
    3. Establish standardized evaluation rubrics and joint feedback channels between administrators and educators.
    4. Adopt and utilize the proposed 5Es Faculty Instructional Guide across elementary schools.

****

Editorial Team

Editor-in-Chief: Alvin B. Punongbayan
Associate Editor: Andro M. Bautista
Managing Editor: Raymart O. Basco
Web Editor: Nikko C. Panotes

Manuscript Editors / Reviewers:

Chin Wen Cong, Christopher DC. Francisco, Camille P. Alicaway, Pinky Jane A. Perez, Mary Jane B. Custodio, Irene H. Andino, Mark-Jhon R. Prestoza, Ma. Rhoda E. Panganiban, Rjay C. Calaguas, Mario A. Cudiamat, Jesson L. Hero, Albert Bulawat, Cris T. Zita, Allan M. Manaloto, Jerico N. Mendoza

****

INSTABRIGHT e-GAZETTE
ISSN: 2704-3010
Volume VIII, Issue I
August 2026
Available online at https://www.instabrightgazette.com

****

REFERENCES

- Aquino, J. C. (2022). Managing Classroom Conflicts in TLE Education: Strategies for Positive Student Outcomes. *Philippine Journal of Vocational Education*, 16(3).
- Aquino, S. V. (2020). Pedagogical Practices and Their Impact on TLE Instruction in High Schools. *Journal of Educational Pedagogy*, 16(4).
- Aquino, S. V. (2022). Professional Development and Its Impact on TLE Teachers' Content Knowledge. *Philippine Educational Review*, 14(3).
- Chen, L., & Rivera, J. (2021). Effective classroom management strategies and their impact on student engagement in technical education. *International Journal of Educational Practice*, 11(2), 65–78.
- Cordero, M. T. (2023). Safety Management in TLE Classrooms: A Crucial Aspect of Effective Teaching. *Journal of Educational Safety*, 12(2).
- Cruz, J., Dizon, M., & Ramos, P. (2022). Integrating ICT and entrepreneurship in TLE: A pathway to digital innovation and economic readiness. *Journal of Educational Technology and Skills Development*, 11(3), 85–98.
- Cruz, J. L., & Hernandez, M. R. (2024). Technology integration and contextualized instruction in TLE: Effects on students' skill development. *Philippine Journal of Technical and Vocational Education*, 14(2), 65–78.

****

Editorial Team

Editor-in-Chief: Alvin B. Punongbayan
Associate Editor: Andro M. Bautista
Managing Editor: Raymart O. Basco
Web Editor: Nikko C. Panotes

Manuscript Editors / Reviewers:

Chin Wen Cong, Christopher DC. Francisco, Camille P. Alicaway, Pinky Jane A. Perez, Mary Jane B. Custodio, Irene H. Andino, Mark-Jhon R. Prestoza, Ma. Rhoda E. Panganiban, Rjay C. Calaguas, Mario A. Cudiamat, Jesson L. Hero, Albert Bulawat, Cris T. Zita, Allan M. Manaloto, Jerico N. Mendoza

****

INSTABRIGHT e-GAZETTE
ISSN: 2704-3010
Volume VIII, Issue I
August 2026
Available online at https://www.instabrightgazette.com

- Cruz, J., & Manalo, R. (2022). Gender balance and leadership effectiveness in public secondary schools in the Philippines. *Philippine Journal of Educational Administration*, 15(1), 88–102.
- Cruz, M., & Mendoza, R. (2023). ICT integration in TLE: Enhancing digital and entrepreneurial competencies among high school learners. *Philippine Journal of Educational Technology*, 5(2), 45–59.
- Dela Cruz, A. R. (2020). Conflict Resolution and Classroom Management in TLE Education. *Journal of Teacher Education and Development*, 17(1).
- Dela Cruz, M. J. (2022). Assessing the Preparedness of TLE Educators: Experience and Training Needs. *Journal of Vocational Education and Training*, 10(2).
- Dela Cruz, M. J. (2022). Gender and Educational Leadership: A Study of School Heads in the Public Sector. *Journal of Educational Research and Development*, 9(3).
- Dela Cruz, M. J. (2022). Technological Integration in TLE Teaching: Current Practices and Challenges. *Journal of Educational Technology*, 18(3).
- Delos Reyes, M. (2020). Evaluating the Implementation of TLE in Philippine Elementary Schools. *Conference Paper*.
- Delos Reyes, M., & Santiago, R. (2022). Educational attainment and its influence on teaching effectiveness in secondary education. *Philippine Journal of Educational Research*, 17(1), 45–57.

Editorial Team

Editor-in-Chief: Alvin B. Punongbayan
Associate Editor: Andro M. Bautista
Managing Editor: Raymart O. Basco
Web Editor: Nikko C. Panotes

Manuscript Editors / Reviewers:

Chin Wen Cong, Christopher DC. Francisco, Camille P. Alicaway, Pinky Jane A. Perez, Mary Jane B. Custodio, Irene H. Andino, Mark-Jhon R. Prestoza, Ma. Rhoda E. Panganiban, Rjay C. Calaguas, Mario A. Cudiamat, Jesson L. Hero, Albert Bulawat, Cris T. Zita, Allan M. Manaloto, Jerico N. Mendoza

INSTABRIGHT e-GAZETTE
ISSN: 2704-3010
Volume VIII, Issue I
August 2026
Available online at https://www.instabrightgazette.com

- Delos Reyes, P. M., & Bautista, K. T. (2023). Pedagogical effectiveness and student performance in Technology and Livelihood Education. *International Journal of Educational Research and Innovation*, 18(1), 102–117.
- Delos Santos, R. (2022). Pedagogical competence and student performance in technology and livelihood education. *Philippine Journal of Educational Development*, 19(1), 55–70.
- Diaz, M. L. (2020). Overcoming Resource Constraints in TLE Classrooms: Teacher Strategies and Challenges. *Journal of Vocational Education Research*, 10(3).
- Diaz, P. S. (2023). Classroom Design and Its Impact on Classroom Management in TLE. *Journal of Educational Spaces*, 19(4).
- Domingo, L., & Reyes, C. (2021). Digital literacy and collaboration skills through technology-based instruction in vocational education. *Asia-Pacific Journal of Education and Innovation*, 18(4), 112–128.
- Domingo, P., & Santos, M. (2022). The influence of classroom management on student engagement and learning outcomes in Technology and Livelihood Education. *Philippine Journal of Teacher Education*, 19(1), 42–56.
- Fernandez, P. R. (2023). Hands-On Activities and the Need for Adequate Teaching Materials in TLE Education. *Philippine Journal of Education and Technology*, 17(2).

Editorial Team

Editor-in-Chief: Alvin B. Punongbayan
Associate Editor: Andro M. Bautista
Managing Editor: Raymart O. Basco
Web Editor: Nikko C. Panotes

Manuscript Editors / Reviewers:

Chin Wen Cong, Christopher DC. Francisco, Camille P. Alicaway, Pinky Jane A. Perez, Mary Jane B. Custodio, Irene H. Andino, Mark-Jhon R. Prestoza, Ma. Rhoda E. Panganiban, Rjay C. Calaguas, Mario A. Cudiamat, Jesson L. Hero, Albert Bulawat, Cris T. Zita, Allan M. Manaloto, Jerico N. Mendoza

INSTABRIGHT e-GAZETTE
ISSN: 2704-3010
Volume VIII, Issue I
August 2026
Available online at https://www.instabrightgazette.com

- Garcia, L. (2021). Adapting TLE Curriculum to Local Industry Needs in the Philippines. *Journal Article*.
- Garcia, L. (2024). Hands-on learning and skill enhancement through Industrial Arts education. *Journal of Technical and Vocational Studies*, 9(2), 77–92.
- Garcia, L., & Lim, P. (2023). Enhancing teacher content knowledge through continuous professional development in technical education. *Asia Pacific Journal of Teacher Education*, 11(1), 33–49.
- Garcia, L., & Lim, R. (2024). Bridging evaluation gaps between administrators and teachers: A framework for improving instructional assessment. *Philippine Journal of Educational Leadership and Development*, 10(1), 45–60.
- Garcia, L., & Mendoza, R. (2022). Leadership readiness and professional development needs of newly appointed school heads in public education. *Philippine Journal of Educational Leadership*, 10(2), 55–68.
- Garcia, M. L. (2020). Teaching TLE: Challenges in Content Knowledge and Skills Development. *Southeast Asian Journal of Education*, 13(4).
- Garcia, M. L. (2021). Adapting Pedagogical Approaches to Enhance TLE Education. *Philippine Journal of Teacher Education*, 14(2).
- Garcia, M. L. (2021). Experience and Instructional Coverage of TLE Teachers in Secondary Education. *Southeast Asian Research Journal in Education*, 12(2).

Editorial Team

Editor-in-Chief: Alvin B. Punongbayan
Associate Editor: Andro M. Bautista
Managing Editor: Raymart O. Basco
Web Editor: Nikko C. Panotes

Manuscript Editors / Reviewers:

Chin Wen Cong, Christopher DC. Francisco, Camille P. Alicaway, Pinky Jane A. Perez, Mary Jane B. Custodio, Irene H. Andino, Mark-Jhon R. Prestoza, Ma. Rhoda E. Panganiban, Rjay C. Calaguas, Mario A. Cudiamat, Jesson L. Hero, Albert Bulawat, Cris T. Zita, Allan M. Manaloto, Jerico N. Mendoza

INSTABRIGHT e-GAZETTE
ISSN: 2704-3010
Volume VIII, Issue I
August 2026
Available online at https://www.instabrightgazette.com

- Garcia, P., Santos, M., & Torres, J. (2022). Integrating agriculture in technology and livelihood education: Pathways toward sustainable rural learning. *Philippine Journal of Agricultural Education*, 9(1), 44–58.
- Garcia, R. A. (2023). Resource Management and Its Impact on TLE Instruction in Secondary Schools. *Journal of Educational Resources*, 14(4).
- Garcia, R., Dela Cruz, E., & Mendoza, J. (2021). Examining gender roles and teaching performance in technical-vocational education. *Asia Pacific Journal of Teacher Education*, 13(1), 55–67.
- Garcia, S. A. (2021). Feedback and Reinforcement in Classroom Management for TLE Teachers. *Journal of Educational Psychology*, 14(2).
- Harris, T. (2021). Pedagogical approaches and their impact on learning outcomes in vocational education. *International Review of Education Studies*, 17(3), 88–104.
- Hernandez, L. T. (2022). Access to Specialized Materials in TLE Education: Challenges and Solutions. *Journal of Vocational Training*, 19(1).
- Johnson, P. (2021). Developing new school leaders: Training and mentorship for effective educational management. *International Journal of Educational Administration*, 38(4), 229–243.

Editorial Team

Editor-in-Chief: Alvin B. Punongbayan
Associate Editor: Andro M. Bautista
Managing Editor: Raymart O. Basco
Web Editor: Nikko C. Panotes

Manuscript Editors / Reviewers:

Chin Wen Cong, Christopher DC. Francisco, Camille P. Alicaway, Pinky Jane A. Perez, Mary Jane B. Custodio, Irene H. Andino, Mark-Jhon R. Prestoza, Ma. Rhoda E. Panganiban, Rjay C. Calaguas, Mario A. Cudiamat, Jesson L. Hero, Albert Bulawat, Cris T. Zita, Allan M. Manaloto, Jerico N. Mendoza

INSTABRIGHT e-GAZETTE
ISSN: 2704-3010
Volume VIII, Issue I
August 2026
Available online at https://www.instabrightgazette.com

- Johnson, R. (2022). The impact of teacher subject matter expertise on student performance in vocational education. *International Journal of Educational Studies*, 15(3), 201–214.
- Johnson, T. (2021). Leadership experience and school performance in technical education. *International Journal of Educational Management*, 35(4), 512–526.
- Kim, S., & Lopez, D. (2023). Advancing teacher professionalism through higher education in vocational and technical training. *International Review of Education Studies*, 9(3), 210–224.
- Kim, S., & Park, J. (2021). Instructional material adaptation and its effects on classroom learning outcomes. *International Journal of Educational Practice*, 9(3), 33–47.
- Kumar, P., & Singh, R. (2021). Age diversity and teaching effectiveness in vocational education settings. *International Journal of Educational Management*, 35(4), 412–426.
- Lee, A. R. (2021). Digital Literacy and Content Knowledge in TLE Teaching: A Comparative Study. *Journal of Educational Technology*, 22(1).
- Lee, A. R. (2021). Digital Tools in the TLE Classroom: Enhancing Pedagogical Skills for Modern Education. *Journal of Educational Innovation*, 19(1).
- Lee, A. R. (2022). Inclusive Teaching in TLE: Adapting Pedagogical Methods to Diverse Student Needs. *Philippine Journal of Teacher Education*, 20(1).

Editorial Team

Editor-in-Chief: Alvin B. Punongbayan
Associate Editor: Andro M. Bautista
Managing Editor: Raymart O. Basco
Web Editor: Nikko C. Panotes

Manuscript Editors / Reviewers:

Chin Wen Cong, Christopher DC. Francisco, Camille P. Alicaway, Pinky Jane A. Perez, Mary Jane B. Custodio, Irene H. Andino, Mark-Jhon R. Prestoza, Ma. Rhoda E. Panganiban, Rjay C. Calaguas, Mario A. Cudiamat, Jesson L. Hero, Albert Bulawat, Cris T. Zita, Allan M. Manaloto, Jerico N. Mendoza

INSTABRIGHT e-GAZETTE
ISSN: 2704-3010
Volume VIII, Issue I
August 2026
Available online at https://www.instabrightgazette.com

- Lee, H. (2022). Integrating ICT in technical and vocational education: Implications for 21st-century skills development. *International Review of Education and Technology*, 14(1), 77–91.
- Lee, H., & Park, J. (2022). The impact of gender diversity among teachers on instructional effectiveness in technical education. *International Journal of Vocational and Technical Education*, 11(3), 201–213.
- Lee, S. H. (2023). Collaborative Resource Creation in TLE Education: A Pathway to Improved Teaching Quality. *Journal of Collaborative Learning*, 8(2).
- Lim, R. (2021). Enhancing agricultural competency through technology and livelihood education in secondary schools. *Asian Journal of Education and Skills Development*, 7(2), 77–89.
- Lopez, A., & Cheng, D. (2023). Enhancing teaching effectiveness through applied pedagogy in technical education. *Asian Journal of Technical Education*, 12(2), 41–58.
- Lopez, C. (2021). Home economics education and sustainable livelihood development among secondary learners. *Asian Journal of Home Economics and Technology Education*, 8(2), 55–68.
- Lopez, K., & Ramirez, L. (2023). Effectiveness of Technology and Livelihood Education in developing practical and entrepreneurial skills among junior high school learners. *Asia-Pacific Journal of Education Research*, 15(2), 112–126.

Editorial Team

Editor-in-Chief: Alvin B. Punongbayan
Associate Editor: Andro M. Bautista
Managing Editor: Raymart O. Basco
Web Editor: Nikko C. Panotes

Manuscript Editors / Reviewers:

Chin Wen Cong, Christopher DC. Francisco, Camille P. Alicaway, Pinky Jane A. Perez, Mary Jane B. Custodio, Irene H. Andino, Mark-Jhon R. Prestoza, Ma. Rhoda E. Panganiban, Rjay C. Calaguas, Mario A. Cudiamat, Jesson L. Hero, Albert Bulawat, Cris T. Zita, Allan M. Manaloto, Jerico N. Mendoza

INSTABRIGHT e-GAZETTE
ISSN: 2704-3010
Volume VIII, Issue I
August 2026
Available online at https://www.instabrightgazette.com

- Lopez, M., & Dela Cruz, A. (2022). Demographic influences on leadership effectiveness among public school heads in the Philippines. *Philippine Journal of Educational Leadership*, 10(2), 45–59.
- Lopez, M., Dela Cruz, A., & Torres, K. (2023). Mentorship and professional growth among early-career technology and livelihood education teachers. *Asia Pacific Journal of Educational Development*, 10(1), 54–70.
- Lopez, R., Cruz, M., & Hernandez, J. (2023). Professional development needs of mid-career teachers in the digital age. *Asia Pacific Journal of Teacher Education*, 15(2), 133–147.
- Lopez, R., Garcia, E., & Mendoza, L. (2023). Promoting inclusivity and discipline through effective classroom management: A study of secondary teachers in the Philippines. *Asia-Pacific Education Review*, 24(3), 119–134.
- Lorenzo, F. J. (2020). Group Management in TLE Classrooms: Strategies for Effective Practical Sessions. *Philippine Journal of Educational Practices*, 11(4).
- Manalo, R. S., Dizon, E. P., & Rivera, J. (2022). Competency-based teaching and student engagement in TLE: A correlational study. *Asia-Pacific Journal of Educational Practice and Research*, 9(3), 89–101.
- Mendoza, M. T. (2021). The Role of Digital Resources in Enhancing TLE Instruction. *Journal of Educational Technology and Innovation*, 16(1).

Editorial Team

Editor-in-Chief: Alvin B. Punongbayan
Associate Editor: Andro M. Bautista
Managing Editor: Raymart O. Basco
Web Editor: Nikko C. Panotes

Manuscript Editors / Reviewers:

Chin Wen Cong, Christopher DC. Francisco, Camille P. Alicaway, Pinky Jane A. Perez, Mary Jane B. Custodio, Irene H. Andino, Mark-Jhon R. Prestoza, Ma. Rhoda E. Panganiban, Rjay C. Calaguas, Mario A. Cudiamat, Jesson L. Hero, Albert Bulawat, Cris T. Zita, Allan M. Manaloto, Jerico N. Mendoza

INSTABRIGHT e-GAZETTE
ISSN: 2704-3010
Volume VIII, Issue I
August 2026
Available online at https://www.instabrightgazette.com

- Mendoza, R., Dizon, L., & Cruz, P. (2022). Enhancing students' entrepreneurial and technical skills through Technology and Livelihood Education programs. *Philippine Journal of Educational Innovation*, 10(1), 33–47.
- Mendoza, R. T. (2022). Modern Teaching Strategies in TLE: Exploring Pedagogical Effectiveness. *Southeast Asian Journal of Education*, 13(4).
- Mendoza, R. T. (2023). Demographic Characteristics of TLE Teachers and Their Impact on Classroom Effectiveness. *Journal of Philippine Education Studies*, 20(1).
- Mendoza, R. T. (2023). Teacher Preparedness in TLE Content Areas and Its Impact on Student Outcomes. *Philippine Journal of Educational Studies*, 20(1).
- Nguyen, T. (2021). Teacher competency and classroom management in skill-based education. *Journal of Technical and Vocational Studies*, 14(2), 88–102.
- Ramirez, L., & De Leon, M. (2022). Pedagogical and content knowledge as predictors of teaching effectiveness in TLE. *Philippine Journal of Education and Development*, 30(1), 55–69.
- Ramos, A. J. (2021). Innovative Teaching Techniques in TLE Education: Teacher Preparedness and Barriers. *Journal of Vocational Education Research*, 9(2).
- Ramos, A. J. (2023). Collaborative Teaching and Its Role in Enhancing Content Knowledge in TLE Education. *Journal of Educational Practices*, 17(2).

Editorial Team

Editor-in-Chief: Alvin B. Punongbayan
Associate Editor: Andro M. Bautista
Managing Editor: Raymart O. Basco
Web Editor: Nikko C. Panotes

Manuscript Editors / Reviewers:

Chin Wen Cong, Christopher DC. Francisco, Camille P. Alicaway, Pinky Jane A. Perez, Mary Jane B. Custodio, Irene H. Andino, Mark-Jhon R. Prestoza, Ma. Rhoda E. Panganiban, Rjay C. Calaguas, Mario A. Cudiamat, Jesson L. Hero, Albert Bulawat, Cris T. Zita, Allan M. Manaloto, Jerico N. Mendoza

INSTABRIGHT e-GAZETTE
ISSN: 2704-3010
Volume VIII, Issue I
August 2026
Available online at https://www.instabrightgazette.com

- Ramos, B. D. (2022). The Challenges of Using Contextually Relevant Materials in TLE Education. *Southeast Asian Journal of Vocational Education*, 12(3).
- Ramos, H. G. (2021). Proactive Classroom Management in TLE Education: Preventing Disruptions During Practical Lessons. *Southeast Asian Journal of Teacher Education*, 15(3).
- Ramos, K. (2023). Leadership age and adaptability in implementing curriculum reforms in basic education. *Asian Education Review*, 18(3), 233–248.
- Reyes, A., & Bautista, M. (2021). Content mastery and instructional effectiveness among TLE educators in public secondary schools. *Philippine Journal of Educational Research*, 18(2), 45–59.
- Reyes, A., & Domingo, L. (2022). Technology integration readiness of teachers in Technical and Livelihood Education. *Philippine Journal of Educational Research*, 12(1), 77–89.
- Reyes, J., & Cruz, P. (2022). Impact of Hands-on Learning in TLE on Student Outcomes. *Case Study Report*.
- Reyes, L. M. (2022). Evaluating TLE Teachers' Preparedness for Instructional Delivery. *Philippine Journal of Educational Leadership*, 19(3).

Editorial Team

Editor-in-Chief: Alvin B. Punongbayan
Associate Editor: Andro M. Bautista
Managing Editor: Raymart O. Basco
Web Editor: Nikko C. Panotes

Manuscript Editors / Reviewers:

Chin Wen Cong, Christopher DC. Francisco, Camille P. Alicaway, Pinky Jane A. Perez, Mary Jane B. Custodio, Irene H. Andino, Mark-Jhon R. Prestoza, Ma. Rhoda E. Panganiban, Rjay C. Calaguas, Mario A. Cudiamat, Jesson L. Hero, Albert Bulawat, Cris T. Zita, Allan M. Manaloto, Jerico N. Mendoza

INSTABRIGHT e-GAZETTE
ISSN: 2704-3010
Volume VIII, Issue I
August 2026
Available online at https://www.instabrightgazette.com

- Reyes, L. M. (2023). Leadership Demographics and Their Impact on TLE Implementation in Secondary Schools. *Philippine Journal of Educational Administration*, 18(2).
- Reyes, M., & Dela Cruz, A. (2022). Utilization of instructional materials and its impact on student engagement in technology and livelihood education. *Philippine Journal of Educational Research*, 15(2), 44–58.
- Reyes, M., Dizon, P., & Tan, L. (2023). Comparative analysis of male and female school heads' leadership performance in technical-vocational education. *Asia Pacific Journal of Education Studies*, 7(2), 67–79.
- Reyes, P., Dela Cruz, J., & Molina, S. (2022). Divergent perceptions of instructional effectiveness among teachers and supervisors in technical-vocational education. *Asian Education Studies*, 8(2), 120–134.
- Reyes, P., Dela Cruz, M., & Alonzo, J. (2021). Recycling and craftsmanship integration in Technology and Livelihood Education: A sustainable approach to skill development. *Philippine Journal of Educational Research*, 12(1), 45–59.
- Rivera, J. S. (2021). Using Multimedia Tools in TLE Classrooms: Current Practices and Barriers. *Journal of Digital Learning*, 18(2).
- Santos, A. P. (2021). Assessing the Content Knowledge of TLE Teachers: Challenges and Strategies. *Journal of Teacher Education*, 18(2).

Editorial Team

Editor-in-Chief: Alvin B. Punongbayan
Associate Editor: Andro M. Bautista
Managing Editor: Raymart O. Basco
Web Editor: Nikko C. Panotes

Manuscript Editors / Reviewers:

Chin Wen Cong, Christopher DC. Francisco, Camille P. Alicaway, Pinky Jane A. Perez, Mary Jane B. Custodio, Irene H. Andino, Mark-Jhon R. Prestoza, Ma. Rhoda E. Panganiban, Rjay C. Calaguas, Mario A. Cudiamat, Jesson L. Hero, Albert Bulawat, Cris T. Zita, Allan M. Manaloto, Jerico N. Mendoza

INSTABRIGHT e-GAZETTE
ISSN: 2704-3010
Volume VIII, Issue I
August 2026
Available online at https://www.instabrightgazette.com

- Santos, A. P. (2021). Teacher Preparedness in TLE: Addressing the Pedagogical Gaps. *Philippine Journal of Vocational Education*, 11(3).
- Santos, A. P. (2021). Teacher Preparedness in Utilizing Educational Resources for TLE Instruction. *Philippine Journal of Teacher Education*, 21(2).
- Santos, A. P. (2022). Gender and Academic Qualifications of TLE Educators: A National Perspective. *Philippine Journal of Teacher Education*, 18(3).
- Santos, L., & Dela Cruz, F. (2023). Practical agricultural learning and its impact on students' livelihood readiness in Philippine TLE programs. *International Journal of Vocational and Technical Education Research*, 5(3), 102–116.
- Santos, M., & Villanueva, P. (2023). Gender representation and instructional practices in Technology and Livelihood Education. *Philippine Journal of Educational Studies*, 14(2), 98–110.
- Santos, M., & Villarin, A. (2023). Administrative and teacher perspectives on TLE implementation: A comparative evaluation study. *Journal of Technology and Livelihood Education Research*, 12(3), 88–102.
- Santos, P., & Villanueva, J. (2021). Teaching experience and instructional effectiveness among TLE educators in secondary schools. *Philippine Journal of Teacher Education*, 15(2), 67–81.

Editorial Team

Editor-in-Chief: Alvin B. Punongbayan
Associate Editor: Andro M. Bautista
Managing Editor: Raymart O. Basco
Web Editor: Nikko C. Panotes

Manuscript Editors / Reviewers:

Chin Wen Cong, Christopher DC. Francisco, Camille P. Alicaway, Pinky Jane A. Perez, Mary Jane B. Custodio, Irene H. Andino, Mark-Jhon R. Prestoza, Ma. Rhoda E. Panganiban, Rjay C. Calaguas, Mario A. Cudiamat, Jesson L. Hero, Albert Bulawat, Cris T. Zita, Allan M. Manaloto, Jerico N. Mendoza

INSTABRIGHT e-GAZETTE
ISSN: 2704-3010
Volume VIII, Issue I
August 2026
Available online at https://www.instabrightgazette.com

- Santos, R., & De Vera, A. (2023). Enhancing creativity and technical competence through Industrial Arts instruction in secondary schools. *Asia-Pacific Journal of Education and Technology*, 15(4), 101–115.
- Smith, A. (2021). Gender diversity and school leadership: Impacts on educational quality and equity. *International Review of Education Management*, 39(3), 215–230.
- Tan, S., & Villanueva, C. (2024). Promoting sustainability through agricultural and home economics education: A TLE-based approach. *Philippine Journal of Technical and Vocational Studies*, 9(1), 54–70.
- Torres, A. B. (2021). The Role of Teacher Training in Improving TLE Teaching Skills. *Philippine Journal of Vocational Education*, 11(3).
- Torres, A. B. (2021). Years of Service and Leadership Effectiveness in Managing Technical-Vocational Programs. *Southeast Asian Journal of Educational Studies*, 15(1).
- Torres, A. B. (2023). Classroom Management and Assessment in TLE Teaching. *Journal of Educational Practices*, 17(3).
- Torres, J. R. (2021). Effective Classroom Management in TLE: Balancing Discipline with Hands-On Activities. *Journal of Vocational Teaching*, 18(2).
- Torres, L., Ramirez, C., & Bautista, J. (2021). Graduate education and teacher performance in technology and livelihood education. *Asia Pacific Journal of Technical and Vocational Learning*, 12(2), 88–102.

Editorial Team

Editor-in-Chief: Alvin B. Punongbayan
Associate Editor: Andro M. Bautista
Managing Editor: Raymart O. Basco
Web Editor: Nikko C. Panotes

Manuscript Editors / Reviewers:

Chin Wen Cong, Christopher DC. Francisco, Camille P. Alicaway, Pinky Jane A. Perez, Mary Jane B. Custodio, Irene H. Andino, Mark-Jhon R. Prestoza, Ma. Rhoda E. Panganiban, Rjay C. Calaguas, Mario A. Cudiamat, Jesson L. Hero, Albert Bulawat, Cris T. Zita, Allan M. Manaloto, Jerico N. Mendoza

INSTABRIGHT e-GAZETTE
ISSN: 2704-3010
Volume VIII, Issue I
August 2026
Available online at https://www.instabrightgazette.com

- Torres, M., & Villanueva, D. (2023). Challenges and adaptive strategies of novice school administrators in secondary education. *Asian Education Review*, 14(1), 102–116.
- Valdez, E. M. (2022). Classroom Routines and Flexible Management Strategies in TLE Classrooms. *Journal of Educational Practices*, 20(1).
- Villanueva, J. (2023). Digital resource integration in TLE classrooms: Enhancing student performance through technology use. *Asia-Pacific Journal of Education and Innovation*, 18(1), 72–85.
- Villanueva, J., & Cruz, R. (2023). Enhancing TLE instruction through effective classroom management and instructional design. *Asia-Pacific Journal of Educational Research*, 18(3), 134–149.
- Villanueva, J., & Ramos, A. (2024). Home economics as a foundation for life skills and entrepreneurship education in junior high school. *International Journal of Educational Research and Innovation*, 15(3), 88–102.
- Wong, L. (2022). Teaching experience and its impact on student learning in technical and vocational education. *International Journal of Educational Studies*, 14(3), 192–205.

Editorial Team

Editor-in-Chief: Alvin B. Punongbayan
Associate Editor: Andro M. Bautista
Managing Editor: Raymart O. Basco
Web Editor: Nikko C. Panotes

Manuscript Editors / Reviewers:

Chin Wen Cong, Christopher DC. Francisco, Camille P. Alicaway, Pinky Jane A. Perez, Mary Jane B. Custodio, Irene H. Andino, Mark-Jhon R. Prestoza, Ma. Rhoda E. Panganiban, Rjay C. Calaguas, Mario A. Cudiamat, Jesson L. Hero, Albert Bulawat, Cris T. Zita, Allan M. Manaloto, Jerico N. Mendoza