

INTERNATIONAL STUDENT RESEARCH CONGRESS

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“Nurturing the New Gen Research Leaders”

January 19, 2024 • Virtual Conference

BOOK OF ABSTRACTS

The International Student Research Congress series is published annually.

For more information, visit the website <https://iiari.org/conference/isrc>.

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Aims and Scope

The dynamic research environment requires diverse generational researchers. Hence, the International Student Research Congress provides a platform for the next generation student-researchers around the world to connect, collaborate and learn from multidisciplinary research outputs. It fosters research culture and academic excellence to high school and undergraduate (technical/vocational, college and university) students.

Objectives

The conference aims to:

- Provide a platform for the high school and undergraduate research outputs;
- Continuously develop strong research culture among students;
- Enhance free and accessible knowledge sharing through open access publication;
- Educate the community of scholars through updates on current topics and issues;
- Foster collaboration among student-researchers around the globe; and
- Develop camaraderie among junior fellows.

Conference Tracks

1. Education

- Educational management and leadership;
- Current trends and issues on education and educational management;
- Curriculum development, teaching and learning pedagogies, assessment and student cognitive development;
- Social issues relevant to the societal and educational development; and
- Other topics on educational research.

2. Humanities and Social Sciences

- Law and Politics;
- Philosophy and Religion;
- Geography and Anthropology;
- Communication and Modern Languages;
- Ancient and Modern Literature;
- Arts and Art Appreciation;
- Humanities and Human Behavior;
- Economic, social and environmental issues;
- Psychology and learning; and
- Other topics on social sciences.

3. Science, Technology, Engineering and Mathematics

- Science, applied science and science education;
- Technology, technological innovation and technical education;
- Engineering, engineering design and development and engineering education;
- Mathematics, applied mathematics and mathematics education; and
- Other topics on science, technology, engineering and mathematics.

4. Business, Management and Accounting

- Business, management and accounting education;
- Hospitality and tourism, online commerce, transportation and communication and agriculture;
- Entrepreneurship, entrepreneurial development and business management;
- Applied concepts of management, human resource, marketing, and operations;
- The industry and industrial revolution 4.0;
- Management accounting, financial accounting, financial reporting systems and corporate communication to external users' decision-making;
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Training: The training for professionals is a continuous practice. The organization provides the venue for continuous training through international collaboration that multiplies research conferences, workshops and symposia and sharing of best industry practices.

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A premier industry and academic collaborative organization upholding the power of research and education to a more informed and intellectual community of scholars.

Vision

IIARI aims to be at the forefront of research and education transcending post-millennial boundaries through collaborative and dynamic strategies.

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TABLE OF CONTENTS

Aims and Scope.....	iv
Editorial Policies.....	vi
Conference Board and Committees.....	vii
Abstracting and Indexing.....	ix
Conference Organizer.....	x
Conference Collaborator.....	xi

Track: Education

Bridging the Gap: The Effect of Strand-Course Mismatch on College Students' Academic, Psychological, and Career Trajectories <i>Mahmooda Aziza Bhatti & Muhammad Assad Ullah Bhatti</i>	2
Level of Satisfaction on The Security Services of a State University: Basis for Continuous Improvement <i>Jocelyn S. Gabata, John Marco J. Rarugal & Kristelle Ann R. Torres</i>	3
Literary Genres Preferred by English Pre-Service Teachers in Teaching Literature in a State University <i>Imee B. Dela Torre, Denise Miraflores, Lea Marie N. Alcaraz, Ana May T. Cabaluna & Mark Jones M. Delgado</i>	4
Online and Onsite Language Learning Differences Through the Lens of English Major Undergraduates in a State University <i>Marvin James G. Esing, Riza D. Villanueva, Klyde Francis R. Dela Cruz, Wiljoy B. Nazareta & Jannine M. Rafael</i>	5
Transition from Online to Onsite Learning: Standpoints of College Students in a Government-funded Institution <i>Angie Rose M. Fernando, Alexandra Shekinah I. Apolinario, Aizel Nor R. Casuncad, Bash Raibon De Juan & Ersyl T. Biray</i>	6
Bridging the Gap: Examining HUMSS Students' Perceptions of Sampling in Statistics <i>Kristle Anne A. Sulit, INoime F. Baldoz, Gerald V. Miranda, Jake P. Magboo & Carie Justine P. Estrellado</i>	7

Track: Humanities & Social Sciences

Paombong Sociolinguistics: Teenagers' Awareness of Vinegar Maker's Local Tongue <i>Olene Janine Espiritu & Ven Erick Santos</i>	9
Balik-Serbisyo: A Phenomenological Study Exploring the Lived Experiences of DOST-SEI JLSS Scholars Working as Public-School Teachers to Fulfill the Return of Service Agreement <i>John Bennidick M. Condino, Michael Angelo H. Ayap, Jean Claire B. Bondad, Marjian Godwill M. Macandile & Luis Joseph M. Maulion</i>	10
Genre of College Students' Social Media Posts: An Analysis <i>Aldrin H. De Claro Jr., Reyshien A. Dela Cruz, Kim Louie N. Navarra, Rose-Ann H. Vicente & Ersyl T. Biray</i>	12

Modern Love Lines: An Inquiry on Experiences and Generational Views on Online Dating and Relationships <i>Angelika Marie A. Cortez, Christine Joy A. Dela Cruz, Darbhelen G. Floresca, Jossa Vivienne S. Torino & Chester Alan R. Merza</i>	13
Assessing Mother’s Knowledge and Attitude on Routine Immunization: A Cross-Sectional Study at Kalinga Provincial Hospital <i>Arawn Josh Bacacao, Marychris Balcanao, Cyslin Faith Banasan, Remy Ann Asiw & Gladys Assudo</i>	14
Food Security and Coping Strategies of Ata-Manobo Tribe: An Inquiry <i>Hannah Kem M. Bondaon, Jerrylyn E. Caduyac, Nenia Joy R. Datoy & Sharlyn B. Torotoro</i>	15
Measuring the Impact of Pantawid Pamilyang Pilipino Program (4Ps) on Health and Education in Maangas Presentacion, Camarines Sur: A Regression Discontinuity Design (RDD) Approach <i>Shaina Barbado, Angela Credo, Diane Espiritu, Novie Mae Gubat, Ophirly Llagas & Emmanuel Onsay</i>	16
Food Environment and Health Issues of Indigenous People: An Inquiry <i>Ronegin P. Ramos, Mariane L. Pontilar, Jolina L. Cañete & Neca V. Genturales</i>	17
<u>Track: Science, Technology, Engineering & Mathematics</u>	
LumineSENSE: Structured Earthquake Notification for Safer Evacuation as an Earthquake Alert System for Optimal Evacuation Time Based on NDRRMC Standard Procedure <i>Johnmark Jireh L. Repdos</i>	19
Gamified Place Valuing Tool as Manipulative in Enhancing Number Placing Skills <i>Realyn D. Relox, Ivy Rose Madarcos, Haide D. Maravilla, Edgar T. Lozada, Joylyn Larano & Jessabil Vega</i>	20
Matrices Operations on Image Filtering Using Phyton <i>Katherine A. Desupida, Sherlyn M. Bautista & Zusetta Candelario-Aplaon</i>	21
Molluscicidal Activity of Pipinong Gubat (<i>Melothria pendula</i>) Leaf Extract against Golden Apple Snails (<i>Pomacea canaliculata</i>) <i>Julia Marie P. Viña, Nova Mien O. Tuayon & Algeline S. Herrera</i>	22
<u>Track: Business, Management & Accounting</u>	
Identifying Common Themes in Customer Feedback: A Content Analysis on the Outlook of Consumers Towards Coffee Shops in Sta. Catalina Sur <i>Allysa M. Medrano, Micka Faye M. Magnaye, Tracy Ann S. Sanggalang, Jherlyn Mae S. Magnaye & Chrizza Kaye R. Sotomayor</i>	24
Strategies of Promoting Small and Medium Enterprises: Basis for Development of Business Plan <i>Divina T. Garcia, Donna V. De Torres, Cristine De Ocampo & Melani Dimayuga</i>	25

Food Safety Knowledge and Hygiene Practices among Street Vendors in Barangay Tibal-og <i>Rhahima U. Labao, April Jane B. Maculam, Lovely Jean Sayson & Hazel Mae C. Llorente</i>	26
Digital Marketing Strategies Used by Competing Coffee Shops in Candelaria, Quezon: Perspective of Employees <i>Josh Edric G. Sobrepeña, Reymond D. Ragas & Chrizza Kaye R. Sotomayor</i>	27
Lived Experiences of Street Food Vendors Amidst the Phase of Pandemic Recovery <i>Mery Queen J. Dapitanon, Rommel Erwin Anca, Alonica Mae A. Revante, Karen E. Gamutin, Duriza V. Diapera & Shiela S. Ombao</i>	28
The Impact of Street Food Handling on Customer Satisfaction in Brgy. Tibal-og Santo Tomas Davao del Norte <i>Stephen Necko S. Pajomayo, Cathleen F. Tamos, Franjeil B. Lobis & Hazel Mae Llorente</i>	29
Food Catering Services and Customers' Satisfaction in Barangay Tibal-Og <i>Angelica Apala, Remia Layola, Junard Madulara & Sharlyn Torotoro</i>	30
Does an Agricultural Intervention Impact the Socio-Economic Development of Farmers in Upland Barangays of Goa, Camarines Sur? Evidence from Regression Discontinuity Design <i>Romy Jake G. Pagador, Anthony G. Peñas, Cezar S. Obias Jr. & Emmanuel A. Onsay</i>	31
The Influence of Environmental Accounting Disclosures on Company Performance: A Meta-Analytics Review <i>Mary Therese L. Obias, Angela C. Patoc & Emmanuel A. Onsay</i>	32
Determinants of Willingness to Adopt (WTA) Zero Plastic Policy of the Micro, Small, and Medium-sized Enterprises (MSMEs) in the Central Business District of Goa, Camarines Sur, Philippines <i>Marvin M. Flojo, Jeanna Mariel D. Reyes & Emmanuel A. Onsay</i>	33
Beneficial Financial Technology Services at Private High Schools Based on Modern Islamic Boarding Schools in Indonesia <i>Haudh Al Maa'uun, Hisyam Badarrudin Nugroho, Fathi Rafie Abqorri, Adinda Zahra Raisya Kamila, Rizka Maulida, Arif Rahmansyah Huluq & Rasya Naufal Azri</i>	34
Forecasting Stock Market Behavior Using Markov Chain Aided by Matrix Calculator <i>Richelle Ann P. Goyada, Zaira G. Melitante & Zusetete Candelario-Aplaon</i>	35

Education Track

Bridging the Gap: The Effect of Strand-Course Mismatch on College Students' Academic, Psychological, and Career Trajectories

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ABSTRACT

This research aimed to know the effect of strand-course mismatch on college students academic, psychological, and career trajectories. The design presents a non-experimental quantitative study that investigates the impact of strand-course mismatches on college students' academic, psychological, and career trajectories. Through a survey-based approach, the study seeks to answer specific research questions aligned with the survey questionnaire. The research sample comprises 20 third-year college students from diverse schools, with survey administration facilitated through online platforms like Google Forms, utilizing email, and messenger applications. The study encompasses materials used, procedures followed, questionnaire content, and statistical treatment applied to the collected data. The findings highlight the prevalence of mismatches, their correlation with academic performance and psychological well-being, and various factors contributing to these mismatches. Furthermore, the research supports the significance of improved preparation and targeted guidance during the transition from high school to college to alleviate the occurrence of mismatches. Overall, this research offers valuable insights into the complexity of strand-course mismatches and underscores the importance of tailored support mechanisms to enhance college students' holistic development and success.

Keywords: course mismatch, academic, psychological, career trajectories

About the presenter:

Mahmooda Aziza Bhatti is a highly accomplished individual with a strong foundation in research and academic excellence. As a finalist in the DLSU IPO-PHIL Innovation and Research competition, she showcased her ability to develop innovative and impactful research proposals, exemplifying her commitment to excellence in scientific inquiry. Her notable achievements extend beyond local competitions, with recognition as a finalist in the Climate Science Olympiad and commendable placements in various divisional and regional research competitions. In tandem with her research prowess, she garnered academic accolades such as the High Honor Award and the Excellence Award in the field of research. International recognitions include 1st Runner up in the International Research Competition and a Silver Medalist in the International Research Competition for Young Scientists.



Level of Satisfaction on The Security Services of a State University: Basis for Continuous Improvement

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ABSTRACT

The study aimed to determine the level of satisfaction on the security services of a State University in Laguna Province in terms of security personnel conduct, physical security, and protection of sensitive information. Likewise, the study aimed to establish the significant differences between assessment of the employees and students. The respondents of this research were 380 employees and 300 students for Academic Year 2022-2023. The study utilized statistical formulas to interpret the data gathered such as weighted mean and T-Test. Also, the study used the descriptive-comparative and cross-sectional method as research design. The content-validated and self-constructed questionnaire, which reported an acceptable reliability index of Cronbach $\alpha = 0.76$ was its tool in data gathering. Based on the analysis of the findings, the researchers found that both respondents possessed a high level of satisfaction on the security services across all the variables. Further, a significant difference was found with regard to security personnel conduct and physical security. With this, courses of action were made for continuous improvement of the security services. Future researchers may consider the conduct of continuing evaluation to have a comprehensive understanding of its services to develop better improvement strategies.

Keywords: physical security, protection of sensitive information, satisfaction, security personnel conduct, security services

About the presenter:

Jocelyn S. Gabata is a 22-year-old senior college student of Laguna State Polytechnic University-Los Baños Campus, Los Baños, Laguna, Philippines. Her desire to become a public safety practitioner led her to pursue a Bachelor of Science degree in Criminology. She already had her experience in leading an organization and already presented a research (with awards) in a district-level competition during her senior high school days.



Literary Genres Preferred by English Pre-Service Teachers in Teaching Literature in a State University

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ABSTRACT

In the realm of education, literature holds a significant role, particularly in shaping the language development and fostering a passion for reading and critical thinking. This study explored the profiles, preferred literary genres, and reasons for both using and not using literary texts in teaching literature among 4th Year Bachelor of Secondary Education major in English students at a higher education institution in Aklan during the academic year 2022-2023. The total population of thirty-five (35) students officially enrolled in the program was chosen to provide data through a survey questionnaire, which was analyzed using descriptive and content analysis techniques. The results revealed that most of the English pre-service teachers who utilize literary texts are female and fall with the age range of 20-24 years old. The inclusion of literature in English language classroom has been perceived as a beneficial process as it contributes to students' meaningful language teaching and learning, personal development and fostering a love for literature (Carter & Long, 1991). The findings indicate the positive attitudes of pre-service teachers toward using literary texts in their classes, as they express that literature is advantageous for the linguistic, affective development, and literary awareness of the students. However, some pre-service teachers acknowledge to finding it challenging to use literary texts due to doubts on their own teaching efficacy and their students' linguistic capability in the target language for processing literary texts. Additionally, they highlight limitations imposed by the framework of the university's pre-service teacher training program.

Keywords: literature, literary genres, pre-service teachers, English language teaching

About the presenter:

Imee B. Dela Torre is presently enrolled in the Bachelor of Secondary Education (BSEd) program, majoring in English, at Aklan State University-College of Teacher Education in Banga, Aklan, Philippines. As a consistent academic achiever, she has demonstrated exceptional dedication to her studies. Imee is an active student-leader, serving as the Vice President of the English Sub-Organization. She also plays an integral role in the Ro Sueo Publication, the official student publication of the college, earning recognition and awards during the annual college press conferences. Imee's passion for research led her to become one of the junior fellows at the Institute of Industry and Academic Research Incorporated (IIARI), where she actively engages in scholarly pursuits, showcasing her fervor for exploring new horizons in academia. Her commitment to academic excellence and her active involvement in various organizations highlight her drive and passion for continuous learning and development, particularly in the field of journalism and research.



Online and Onsite Language Learning Differences Through the Lens of English Major Undergraduates in a State University

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ABSTRACT

Language learning has been profoundly impacted by the development of learning modalities and the incorporation of technology, especially in light of the growing popularity of online learning in the face of scarce onsite possibilities brought on by the worldwide pandemic. In line with this, the study aims to find out the different perceptions about online and onsite language learning of students taking Bachelor of Secondary Education Major in English in a state university academic year 2022-2023. The quantitative research was done through a survey questionnaire with fifty (50) randomly selected respondents from different year levels which was analyzed using frequency count, percentage, and 5-Point Likert Scale. Results indicate a preference for onsite classes due to their effectiveness in language learning, attributed to face-to-face interactions and socialization among learners. Conversely, online classes are favored for their convenience, offering flexibility in terms of location and timing. The study unveils valuable insights into language learning dynamics, emphasizing the distinctions between onsite and online modalities.

Keywords: onsite learning, online learning, language learning, learning environment

About the presenter:

Klyde Francis R. Dela Cruz is a fourth-year student pursuing a Bachelor of Secondary Education with a major in English at Aklan State University, Banga Campus, Banga, Aklan. His academic journey has been marked by excellence, earning him the distinction of being a Top 3 student in the Top Ten Outstanding Student of Aklan State University (TOSA) for the year 2023. Beyond the classroom, Klyde has actively contributed to the literary world as a Staff Writer for Ro Sueo Publication, the official Student Publication of Aklan State University College of Teacher Education. He showcased his prowess in written expression, earning awards in annual college press conferences. His leadership skills shine through as he holds the position of President in the University Student Council at Aklan State University during the Academic Year 2023-2024. In recognition of his achievements, Klyde received the 3rd International Luminary Award. Furthermore, his dedication to research was acknowledged when he became a nominee for Best Research Presenter at the 2nd Future English Language Teachers (FELT) Research Colloquium of Aklan State University-College of Teacher Education."



Transition from Online to Onsite Learning: Standpoints of College Students in a Government-funded Institution

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ABSTRACT

The COVID-19 global pandemic has an immense impact in the lives of the people all over the world, and the educational system is one of those who struggled to adjust to the catastrophic event. The new curriculum faced setbacks from the difficulties to effectuate students' social presence and create a safe and effective learning environment. This study determined the undergraduate students learning preference, specifically between online and on-site learning; the impact of the sudden shift to the students social, economic or financial, and academic performance; and the coping strategies used by students to overcome the challenges brought by the change of learning modality. Systematic random sampling was used to select 30 students who served as respondents of the study. Results showed that on-site learning was preferred over online learning modality as it impacted the students in terms of social interaction, active participation, and accessibility to resources. Most of the students revealed that the shift in learning modality has brought about challenges in their physical, moral, emotional and social well-being, financial stability, and academic performance. But they had overcome these with the support of their family, friends, and love ones. This pandemic has taught students the importance of time management, flexibility and resilience, and strong bond with people they can work and open up well.

Keywords: COVID-19, online class, onsite class, students' preference, coping strategies

About the presenter:

Angie Rose M. Fernando is a 4th year undergraduate student taking up Bachelor of Secondary Education major in English at the College of Teacher Education, Aklan State University - Banga Campus in Banga, Aklan, Philippines. A consistent honor student in school, she graduated Salutatorian of her elementary class in 2014, With High Honors in senior high school in 2020, and a College Dean's List awardee from 2021 to 2023. She is a completer of the International English for Journalism Self-Paced Massive Open Online Course (MOOC) in June 2023, and continues to excel in curricular and extra-curricular activities to date.



Bridging the Gap: Examining HUMSS Students' Perceptions of Sampling in Statistics

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ABSTRACT

This study examines the challenges faced by Grade 11 HUMSS students at Tayabas Western Academy in comprehending Sampling and Sampling Distribution within Statistics and Probability. Employing a quantitative approach with all Grade 11 HUMSS students as respondents, the research reveals that, despite a notable interest in the subject, there exists an inconsistent understanding of these topics, indicating a suboptimal grasp of fundamental concepts. Contrary to students' positive perception and interest in statistics, their performance in the assessment ranged from 11% to 54%, revealing a substantial gap between perception and actual performance. Intraclass Correlation Coefficient (ICC) analysis involving four raters established a substantial agreement of .75 for the proposed instructional materials, emphasizing their reliability. The identified gaps necessitate for tailored learning materials essential to equip students with the knowledge and skills crucial for proficient data analysis. The proposed resource aim to bridge existing gaps, enhancing the learning experience in Statistics and Probability for HUMSS students. This study not only highlights current challenges but also lays the foundation for future research and intervention strategies to address the disparities between students' perceptions and their actual performance in basic statistics which is also prerequisite to understand future subjects.

Keywords: sampling, statistics, HUMSS, mathematics, learning guide

About the presenter:

Kristle Anne A. Sulit, a fourth-year student at Tayabas Western Academy, pursuing a Bachelor of Secondary Education major in Mathematics. Beyond her academic pursuits, she actively contributes as a Councilor of the Sangguniang Kabataan, embodying leadership qualities and a strong sense of responsibility. As the eldest child in her family, she embraces her role as a caring and god-fearing elder sister. Her journey toward excellence began during her high school years as a distinguished Talangpaz scholar, showcasing her dedication and commitment to learning. Amid the pandemic challenges, Kristle extended her passion for education by serving as a private tutor, guiding students across various grade levels. Kristle's character resonates with determination, compassion, and a profound commitment to both her education and supporting others. She believes that in order to succeed you must embrace challenges and let it serve as an opportunity to grow.



Humanities & Social Sciences Track

Paombong Sociolinguistics: Teenagers' Awareness of Vinegar Maker's Local Tongue

Olene Janine Espiritu & Ven Erick Santos

*Third year students in La Consolacion University Philippines
pursuing Bachelor of Secondary Education major in English*

ABSTRACT

Dubbed as the 'Vinegar Capital of the Philippines', Paombong is home to vinegar makers who have created their own local language, consisting of jargons combined with already established Filipino words given meaning within the context of the vinegar-making profession. With it being a prominent aspect of the culture within said municipality, the present study investigated the awareness of the teenagers residing in Paombong, to find out if the aforementioned local tongue is still thriving or if it is already being forgotten. To conduct the study, teenagers were gathered as respondents to a questionnaire that had them define 30 terms used in vinegar making. The participants were also asked of their primary sources for said words and the frequency of their usage of it. According to the data obtained by the researchers, the majority of the teenagers were unfamiliar with the words, mostly associating them with Filipino words and having difficulty defining them despite apparently hearing said words used by older demographic, some even associated with vinegar making. The implications of this study can advocate for a compensation of the lack of interaction between people who are well-versed with the local language, vinegar makers, and the youth of Paombong. It can also encourage ways of deepening the teenagers' appreciation for the primary source of livelihood and culture within the municipality itself.

Keywords: sociolinguistic, teenager's awareness, vinegar maker, local tongue

About the presenter:

Olene Janine Espiritu, eldest daughter of an ordinary family, resides in a little town named Paombong in Bulacan, Region 3 of the Philippines. Has an impeccable academic record from elementary to secondary school, consistently participating in art-related events. Have won prizes for singing and battle of the bands, but my educational achievements have brought the most recognition. Currently in the third year of college, a 20-year-old English major at La Consolacion University Philippines is pursuing a Bachelor of Secondary Education. A consistent Dean's Lister holder in college and a senior high school "With Honor" recipient. Currently serving as the head layout artist for the school publication, acquiring the skills such as organized, adaptable, creative, and capable of problem solving. Additionally, a scholar in La Consolacion Philippines' Financial Aid Program, having maintained a grade without 2.00 ever since the first year of college. Having said that, my GWA for the most recent semester was 1.24, with the highest grade being 1.00, which corresponds to 99–100, and the lowest being 1.75, which corresponds to 90–92.



Balik-Serbisyo: A Phenomenological Study Exploring the Lived Experiences of DOST-SEI JLSS Scholars Working as Public-School Teachers to Fulfill the Return of Service Agreement

John Bennidick M. Condino, Michael Angelo H. Ayap, Jean Claire B. Bondad, Marjian Godwill M. Macandile & Luis Joseph M. Maulion

Science, Technology, Engineering, and Mathematics Senior High School Students at San Pablo City Science Integrated High School, Philippines

ABSTRACT

Some existing scholarships require a mandatory Return of Service Agreement (RSA) for their scholars. One example is the DOST-SEI JLSS Scholarship Program, where the scholar-graduates work as teachers as part of the RSA. DOST-JLSS scholar-graduates are facing challenges, and they manage those challenges through various mechanisms and strategies. This phenomenological study explored the lived experiences of five (5) DOST-SEI JLSS scholar-graduates working as public school teachers within the Division of San Pablo City through actual interviews. The data were analyzed through thematic analysis, where the responses of the participants were coded to generate categories and then themes. The findings revealed that the scholar-graduates were experiencing difficulties in teaching due to inadequate preparation to teach, interpersonal stressors, and personality differences. It was also found out that they utilize internal and external assistance towards development and personal and social support with work regulation. The institution of DOST-SEI should be able to provide assistance to their scholar-graduates by giving them proper training and holding teaching seminars and meetings that can help them with their work in the future.

Keywords: challenges, DOST-SEI JLSS, return of service, scholar-graduates, teaching

About the presenters:

John Bennidick M. Condino is currently enrolled in the Science, Technology, Engineering, and Mathematics (STEM) strand at San Pablo City Science Integrated High School and in the 12th grade. His research areas of interest are primarily in science and math.



Michael Angelo H. Ayap is currently enrolled in the Science, Technology, Engineering, and Mathematics (STEM) strand at San Pablo City Science Integrated High School and in the 12th grade. His research areas of interest are primarily in science and math.



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Genre of College Students' Social Media Posts: An Analysis

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ABSTRACT

The social media becomes the popular way of communication in the digital era. Among the top social networks as of October 2023, Facebook is the front runner with 3.03 million monthly active users globally (Dixon, 2023). Studies have established reasons why and how people use Facebook as their social media platform to exchange information and knowledge, and to connect with various people in this modern world. Like many different users, college students also take part in this platform. Purposely, this study determined the genre of Facebook posts shared by college students, and analyze the media forms of posts among them. The information posted and shared on the 45 Facebook accounts of undergraduate secondary education students of a state university in Western Visayas were observed and classified as to content and media forms. The content categories of social media posts were categorized as information, entertainment, social interaction, and marketing. Further, these categories are classified as to types: photo, text, video, and link. Results showed that the four genres of Facebook posts were prevalent on the students' accounts with entertainment as top ranked followed by information, social interaction, and marketing. Further, participants enjoy posting and sharing amusing content, such as memes, presented in photos, text, and videos, in that order of preference. The college students' desire to use Facebook for entertainment could be a combination of their previous gratifying experiences with general Facebook use and their views about the replication of these experiences through sharing posts that are relevant to them.

Keywords: social media, Facebook, genre, content analysis, social interaction, college students

About the presenter:

Aldrin H. De Claro, Jr. is a fourth-year, Bachelor of Secondary Education (BSED) student specializing in English at the College of Teacher Education, Aklan State University, Banga, Aklan, Philippines. Aside from being a consistent academic honouree, he, too, excels in the arts and culture. He is a member of the college's chorale and drama guild, and a multi-awarded athlete representing his college and the university in regional competitions. His scholarly prowess is proven by his knack in writing which qualified him to be a regular member of the official student publication of the university. He has been a consistent award recipient in annual college press conferences. These qualities exemplify his leadership character reflecting him being one of the Ten Outstanding Students of Aklan State University (TOSA). His love for research was set on fire during his senior high school and kept aflame during his junior year in college when he took up the language research course. This International Student Research Congress (ISRC) by the Institute of Industry and Academic Research Inc. (IIARI) is a good break to further his critical and analytical skills, particularly in a field of his inclination.



Modern Love Lines: An Inquiry on Experiences and Generational Views on Online Dating and Relationships

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Master of Science in Psychology, Program Head, Psychology Department, Saint Louis College, San Fernando,
La Union

ABSTRACT

This study explored the community support to education during the pandemic using participatory qualitative research design, deemed as the most appropriate as it refers to all the techniques and approaches that involve the direct collaboration of researcher and those affected by the social issues being studied to bring about an action that will result in a positive change. Simply put, it is an umbrella term for research methods or frameworks that involves working with the research subjects to collect data, analyze it, and make recommendations. Based on the findings of the study, various issues and challenges were experienced by the stakeholders in rendering support in order to assure the continuity of education during the pandemic. The themes under challenges include financial constraints, limited social mobilization, health protocols that caused delays, limited resources and disparate opinions with other stakeholders. However, various best practices were identified which can be utilized by schools to strengthened school-community partnerships especially during crisis. Identified themes indicate that recognition, keeping the stakeholders updated and the expression of gratitude have vital role to encourage more support from the community. Additionally, this study proposes a sustainability plan which can be utilized to encourage more community support. It also provides insights and recommendations to strengthen school-community partnership to assure continuity of education in whatever circumstance but most especially during crisis.

Keywords: online dating and relationships, generation Y, generation Z, views, experiences, insights

About the presenter:

Angelika Marie Cortez is a Licensed and registered Psychometrician holding a Bachelor of Science degree in Psychology. She is an active member of the Psychological Association of the Philippines. She boasts an impressive array of certifications, including Mental Health First Aider, Psychological First Aider, and Suicide First Aider, showcasing her unwavering commitment to the field of mental health and crisis intervention. Ms. Cortez's professional dynamism is further highlighted by her dedication to ongoing research efforts within the domains of psychology and social sciences. Her profound passion for aiding others resonates throughout all aspects of her life, rendering her an invaluable asset to any organization or team lucky enough to have her on their roster.



Assessing Mother's Knowledge and Attitude on Routine Immunization: A Cross-Sectional Study at Kalinga Provincial Hospital

**Arawn Josh Bacacao, Marychris Balcanao, Cyslin Faith Banasan,
Remy Ann Asiw & Gladys Assudo**

4th Year Student taking up Bachelor of Science in Nursing at Saint Tonis College Inc.

ABSTRACT

Immunization is a critical public health intervention that has significantly reduced childhood morbidity and mortality rates worldwide. The success of immunization programs relies heavily on the knowledge and attitudes of mothers towards vaccines, as they are the primary decision-makers for their children's healthcare. This study aimed to determine the mother's level of knowledge and attitude toward routine immunization at Kalinga Provincial Hospital. Utilizing a cross-sectional descriptive design, data were collected from 48 mothers through a modified questionnaire. Findings revealed a prevailing low knowledge level, emphasizing significant gaps in understanding vaccination schedules, doses, and preventable diseases. While the majority expressed positive attitudes, a subset retained misconceptions, influenced by cultural, religious, and alternative healing practices. Notably, older mothers exhibited more favorable attitudes, aligning with their potentially stronger influence on vaccination decisions. Research limitations include a small sample size and geographical specificity, impacting generalizability. However, these constraints are acknowledged to provide transparency about the study's scope. Implications suggest the need for tailored educational campaigns, considering sociodemographic factors and collaborating with indigenous communities. Cultural and religious considerations should be incorporated into communication strategies to dispel myths and build trust. The study underscores the importance of healthcare providers' role in addressing concerns and promoting comprehensive vaccine literacy. Future research should explore specific factors contributing to knowledge gaps, guiding targeted interventions.

Keywords: mothers, knowledge, routine immunization, attitude, sociodemographic profiles

About the presenter:

Arawn Josh Bacacao is a fourth-year nursing student at Saint Tonis College Inc. Taking up Bachelor of Science in Nursing, He actively participates in various research conferences, serving both as a presenter and an observer. Notably, he recently contributed as a presenter to the 1st Apayao Health Research Forum, hosted by the Cordillera Regional Health Research and Development Consortium under the Department of Science and Technology – CAR.



Food Security and Coping Strategies of Ata-Manobo Tribe: An Inquiry

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ABSTRACT

The purpose of the study was to explore the food security experiences and strategies of the Ata-Manobo tribe to understand how they cope with their struggles in times of food insecurity. The study used a qualitative type of research, specifically a phenomenological approach. This was conducted at Feeder Road 5, Barangay Tibal-og, Santo Tomas, and Davao del Norte. It was confined to the in-depth interviews and focus group discussions of the fourteen Ata-Manobo adults. The findings of this study revealed that they were food insecure and mentally and emotionally unstable, and that this had affected them financially. However, the majority of them continued to utilize subsistence farming—crops that serve as both a food source and a source of nutrients. There were two limitations considered in this qualitative study: language barriers and financial barriers. First, there are language barriers since the participants of this study were from the Ata-Manobo tribe, and the terms being used need to be given meaning in layman's terms. The researchers had to provide the right definition and confirm the terms with the tribal chieftains and IPMRs. Secondly, financial barriers exist since the study needs to request a Free, Prior, and Informed Consent (FPIC) in order to comply with the Indigenous Peoples Rights Act (IPRA) Law, and the researchers have to shoulder the expenses from the FPIC process up to the validation of the results. The insights generated in this study could lead to the development of effective outreach activities and a food security program.

Keywords: ata-manobo tribe, food security, subsistence farming, food insecurity, indigenous knowledge

About the presenter:

Hannah Kem M. Bondaon is currently a 4th year student taking the Bachelor of Technical-Vocational Teacher Education (BTVTED) major in Food and Service Management at Santo Tomas College of Agriculture, Sciences, and Technology (STCAST). Hannah is now 21 years old, blessed with Mandaya blood, and has been advocating for Indigenous Peoples in her town since 2022. She is also an elected Sangguniang Kabataan member in Barangay Tibal-og this year. Additionally, she wants to pursue her passion as an aspiring teacher to inspire students to dream big, particularly IP students. Hannah has interestingly undertaken qualitative research since she was a senior high school student when she represented her school in a multidisciplinary research conference in their municipality. Her inspiration to pursue this research was rooted in her deepest love and appreciation for all the tribal groups in her hometown. She believes that through research, it helps in documenting the unique cultural practices of the Ata-Manobo tribe so that the next generations will have a tangible record of their culture. She and her team took on the challenge of making this research successful by believing in themselves and by being teachable. With their perseverance, they made it through, following the guidelines of the Indigenous Peoples Rights Act (IPRA) Law.



Measuring the Impact of Pantawid Pamilyang Pilipino Program (4Ps) on Health and Education in Maangas Presentacion, Camarines Sur: A Regression Discontinuity Design (RDD) Approach

¹Shaina Barbado, ¹Angela Credo, ¹Diane Espiritu, ¹Novie Mae Gubat, ¹Ophirly Llagas & ²Emmanuel Onsay

¹4th year Bachelor of Science in Business Administration major in Financial Management, Partido State University; ²Partido State University. Director, Partido Institute of Economics.

ABSTRACT

This study measure the impact of the Pantawid Pamilyang Pilipino Program (4Ps) on the health and education of its beneficiaries in Maangas, Presentacion, Camarines Sur. The study compares individuals who receive 4Ps benefits to a control group of non-recipients with similar characteristics. Using a Randomized Control Trial (RCT) approach the study collects data from 157 participants from treatment group (beneficiaries) and control group (non-beneficiaries) through conventional questionnaires. Descriptive statistics are employed to determine the economic profiles of the respondents, including factors such as age, gender, number of children, occupation, educational attainment and household size. Logistic Regression and Regression Discontinuity (RDD) Design were used to evaluate the program's impact and assess the relationship between its objectives and the beneficiaries' health and education outcomes. The analysis of the RDD provides evidence that the program successfully increased education enrolment, among participants. This suggest that similar populations can replicate the programs strategy to boost education enrolment, The effectiveness of the program is evident from the shift in enrolment rates at the eligibility cut off indicating an impact on education enrolment. However when it comes to health outcomes, the findings highlight a need for improved economic development approaches in terms of access to medications and vaccines enhanced health and nutrition outcomes and insurance coverage for beneficiaries who cannot afford it. Moreover the 4Ps program shows an impact, on both the overall health and education of its beneficiaries.

Keywords: Pantawid Pamilyang Pilipno Program (4Ps) health, education, impact, and beneficiaries, economic development, regression discontinuity design

About the presenter:

Angela O. Credo, Angela was born on August 16, 2001, in Calalahan, San Jose, Camarines Sur, the daughter of Mr Rex Credo and Mrs Gilda Credo. She finished her elementary years at Calalahan Elementary School. She completed her junior high school and senior high school at San Rafael National High School and graduated senior high school under ABM strand. From elementary to senior high school, she was a consistent honor student. During her second year, first semester at Partido State University, she was a Dean's Lister. Now, she is in her 4th year, pursuing a Bachelor of Science in Business Administration Major in Financial Management



Food Environment and Health Issues of Indigenous People: An Inquiry

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Studying of BTVTED major in Food Service Management at Santo Tomas College of Agriculture, Sciences and Technology

ABSTRACT

In a world that is full of unsafe foods and environments, people strive to survive. The purpose of this study was to describe the lived experiences, interventions, strategies, insights into the food environment, and health issues of Indigenous people. The study used a qualitative type of research, specifically a phenomenological approach. The study was conducted at Barangay Colosas, Paquibato District, Davao City, and was confined to the in-depth interviews (IDI) and focus group discussions (FGD) of the fourteen (14) active Indigenous people. There were a few limitations in this qualitative study, as the data and results were gathered only from interviews, focus groups, and observations and were analyzed through thematic analysis. The findings of this study helped the researchers realize the importance of understanding the struggles of the Indigenous people regarding their food environment and health issues. The idea of comprehending their lived experiences in terms of their food availability, strategies, and government intervention, as well as their insights into food consumption, was learned. Indigenous people encountered different challenges in their food environments and health issues; however, despite these, in terms of survivability, they were opportunistic, strategic, and schemeful.

Keywords: food environment, health issues, indigenous people, food availability, food affordability, healthy foods

About the presenter:

Ronegin P. Ramos is currently living in Purok Malipayon, Camoning Asuncion Davao del Norte. She is a graduating student of STCAST BTVTED major in Food Service Management.



Science, Technology, Engineering & Mathematics Track

LumineSENSE: Structured Earthquake Notification for Safer Evacuation as an Earthquake Alert System for Optimal Evacuation Time Based on NDRRMC Standard Procedure

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ABSTRACT

Earthquakes pose significant threats, especially in vulnerable regions like the Philippines. Seismic detection alarms are restricted in orchestrating an evacuation plan for multi-story structures resulting in the disorganization of the evacuees. To address the issue, the researcher introduced LumineSENSE, a device for detecting ground movements with real-time alerts of coordinated flashing lights for occupants. Increasing alert durations were given from the ground floor to the highest floor providing occupants ample time to leave the room orderly. The researcher conducted three tests for functionality and a field test to affirm the device's reliability. The accelerometer was tested to affirm that it can input x, y, and z displacements enabling it to satisfy a code condition that will activate the LED lights with buzzer, and LED pins; each set with a corresponding duration relative to the floor level. In testing the individual components, the device is certified to be functional with the integration of the hardware constituents. The researcher then conducted a field test to observe the significant difference in evacuation duration with LumineSENSE and the optimal evacuation time without the device; time recorded starting from light stabilization until the occupants evacuated the floor. As the critical t-value (0.31) falls outside rejection regions (± 4.303), the null hypothesis is not rejected; thus, there is no significant difference between the duration of evacuation with LumineSENSE to the optimal time based on standard evacuation procedures. Test results affirmed the device's potency as an earthquake alert system, ensuring well-coordinated evacuations in multi-story buildings.

Keywords: earthquake, evacuation plan, evacuee coordination, seismic detection

About the presenter:

Johnmark Jireh L. Repdos is a student researcher from Central Luzon crowned in a citadel of ideas and inspiration, took pride in his creative opinion with an undying belief that it could change the world. Renowned for an imaginative perspective that knows no bounds, one found a driving force to be proficient across diverse artistic domains, including multimedia editing, traditional painting, filmmaking, and even writing. Embarking on a journey through the corridors of STEM as a passionate advocate for innovation, this is how he converge his artistry in Science and Technology. His research journey unfolds as a tribute to the harmonious coexistence of two seemingly disparate worlds; from the canvas to the laboratory, Science and artistry can not only coexist but thrive in synergy. With a burning desire to contribute to society, this artist-turned-researcher channels his creative energy into pioneering solutions, a testament to their commitment as a citizen of a striving nation.



Gamified Place Valuing Tool as Manipulative in Enhancing Number Placing Skills

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²Edgar T. Lozada, ²Joylyn Larano & ²Jessabil Vega

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ABSTRACT

This classroom-based action research identified the proficiency level of two groups of participants, the control and manipulative, the significant difference between their pretest and posttest results, and confidence levels in answering their test before and after the discussion. A total of 30 pupils participated, and a Gamified Place Valuing Tool was developed and used as an intervention. The quasi-experimental research methodology was used. Frequency, percentages, mean, standard deviation, and dependent and independent t-value were used to analyze the data at a 0.05 level of significance. The results revealed that the proficiency level of the manipulative group improved by at least 58% in their posttest after using the innovation, while the control group who did not use the innovation improved their performance in posttests by at least 41%. The results also exposed a significant difference between the pretest results, with a mean of 3.60 for the manipulative group and 2.13 for the control group. Meanwhile, the study also revealed a significant difference in the posttest of the manipulative with a recorded mean of 9.40 and the control group with a mean of 6.20. The results showed that the manipulative group was more confident in answering their posttest than the pretest after the discussion using the innovation, with a recorded mean of 4.19 and 3.07, respectively. This data implies that the use of Gamified Place Valuing Tool improves the proficiency level of the manipulative group than the control group and their confidence level. This means that the use of innovation affects and helps the learning and understanding skills of the pupils in Mathematics – specifically in place valuing.

Keywords: Gamified Instruction, Mathematics, Action Research, Manipulative, Place Valuing Skills

About the presenter:

Realyn D. Relox is a licensed professional teacher with a degree of Bachelor of Elementary Education. She graduated as Cum Laude at Western Philippines University - Puerto Princesa Campus and also the former Editor-in-Chief of The Tentacles, the official students' publication of WPU-PPC Campus. At present, she is teaching at a private school in Puerto Princesa handling Grade 1 and Grade 2 pupils. She is also taking her Master's Degree in Educational Management at Western Philippines University.



Matrices Operations on Image Filtering Using Phyton

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ABSTRACT

Image filtering is essential for a variety of tasks in image processing and computer vision. It improves image quality, decreases noise, and is critical in edge recognition, feature extraction, and segmentation. Relatively, this study aimed to manipulate the image using linear operations. In addition, the study also used the same operations of linear algebra such as addition, subtraction, and multiplication to further prove the method's reliability. In this paper, the Linear Operations under Linear Algebra, was used to manipulate the filters of three images. Furthermore, a user-friendly application, Python Programming Language, was also utilized to show an easier way of converting image into matrix vice versa and perform the operations such as addition, subtraction, and multiplication. The result of this study, image processing can be taught through the application of linear algebra especially its operations such as addition, subtraction, and multiplication. The utilization of Python may help the teachers in facilitating the learning of the topic. This technology may also provide opportunities for the students to experience success, thus avoiding failure and gaining interest in Computer Science and Linear Algebra. This study demonstrated the power and versatility of matrix operations in image filtering.

Keywords: image filtering, computer science, linear algebra, linear operations, python

About the presenter:

Katherine A. Desupida is a 4th year college students taking Bachelor of Secondary Education, major in Mathematics at Mindoro State University-Bongabong Campus. She joined different activities that may Improve herself in terms of communication. She is also a member of different clubs and organization in her school. An Honor Student way back in her high school, and one of the scholars of their municipality.



Molluscicidal Activity of Pipinong Gubat (Melothria pendula) Leaf Extract against Golden Apple Snails (Pomacea canaliculata)

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ABSTRACT

The control of the invasive species golden apple snail, *Pomacea canaliculata*, plays a crucial role in preventing the continuing destruction of lowland rice production in the Philippines. However, some molluscicides are considered unpractical because of their toxic effect on non-target organisms, hence this study on innovative, plant-based extract to control golden apple snails. Leaves of pipinong gubat, *Melothria pendula*, were collected, air-dried, pulverized and macerated in ethanol. The extracts were subjected to a water bath at 80 °C for four hours. Active snails were immersed in solutions of 5mL/L, 10mL/L, and 15mL/L of *Melothria pendula* leaf extract for 24h and 48h. The snail mortality was determined and LC50 & LC90 values were calculated. Treatment 3 (15mL/L) got the highest mortality rate, 90% and 97% among other concentrations used in 24 hours and 48 hours, respectively. The control group, bayluscide, attained 100% mortality both in 24 hours and 48 hours. Statistical analysis revealed that the LC50 and LC90 values of 48 hours of exposure showed an increased toxicity level against the snails than of 24 hours of exposure. Moreover, there is a significant difference between the effects of different concentrations and days of exposure on the mortality rate of the snail. Results indicated that *Melothria pendula* extract is a novel, environment-friendly molluscicide to control *Pomacea canaliculata*.

Keywords: molluscicide, golden apple snails, pipinong gubat, leaf extract

About the presenter:

Nova Mien O. Tuayon is currently in her fourth year at Mindoro State University Bongabong Campus, is pursuing a Bachelor of Secondary Education majoring in Science within the College of Teacher Education. She took the Science, Technology, Engineering, and Mathematics (STEM) Strand at Bulalacao National High School. Her research interests include agricultural and environmental sciences where she endeavors to explore innovative solutions for sustainable farming practices and environmental conservation. She aspires to contribute valuable insights to the fields of agricultural and environmental sciences, fostering a deeper understanding of the intricate connections between human activities, ecosystems, and the well-being of our planet.



Business, Management & Accounting Track

Identifying Common Themes in Customer Feedback: A Content Analysis on the Outlook of Consumers Towards Coffee Shops in Sta. Catalina Sur

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ABSTRACT

This research study explores customers' underlying standards of business strategy within the context of coffee shops. It investigates leveraging customer feedback to improve the products, services, and overall customer experience. Specifically, the paper identified the occurrence of prominent themes and patterns from consumers' outlooks and developed a strategical framework reflecting contemporary business strategies. The study employed a qualitative research design, occupying a content analysis approach. The research is centered on the local coffee shop and was selected based on its significant upswing in sales performance. The corpora of the study were creatively collected from customers who made purchases at the selected coffee shop, while the researchers used Miles and Huberman's (2013) steps in the analysis. The results revealed comments and suggestions as the two main themes reflected in the consumers' outlook, while patterns were classified in terms of price sensitivity, taste preferences, product quality, ambiance and cleanliness, space and overcrowding, and taste balance. This study provided invaluable recommendations not alone for coffee shop owners, managers, and consumers but also for students, educators, and stakeholders in the business field. These insights offered actionable strategies to enhance customer satisfaction and brand loyalty. Furthermore, the study's implications extend beyond the coffee shop context, contributing to the broader understanding of consumer behaviour, and effective marketing strategies.

Keywords: Consumers outlook, Business Strategy, feedback, comment, and suggestion

About the presenter:

Allysa M. Medrano is a Grade 12 student at Sta. Catalina National High School in Candelaria Quezon. She is currently taking an academic track in Accountancy, Business, and Management.



Strategies of Promoting Small and Medium Enterprises: Basis for Development of Business Plan

Divina T. Garcia, Donna V. De Torres, Cristine De Ocampo & Melani Dimayuga

Bachelor of Science in Accounting Information System, Grabsum School, Inc., Candelaria, Quezon, Philippines.

ABSTRACT

Economic development greatly depends on Small and Medium Enterprises (SMEs), and successful marketing tactics are essential to their success. This study explores marketing theory and tactics, concentrating on the various facets of small- and medium-sized enterprise (SMEs) promotion. As essential elements of SME development, it examines a number of aspects, such as marketing tactics, networking, customized materials, and utilizing social media platforms. The research examines various marketing theories and tactics specifically designed for small and medium-sized enterprises (SMEs), highlighting the importance of a thorough business strategy based on marketing theory. It explores the subtleties of networking tactics, emphasizing how they support the expansion and competitiveness of SMEs. Additionally, the study explores the domain of customized materials, examining how customized content improves SME marketing initiatives. An extensive amount of this research is devoted to examining the effects and applications of social media platforms as effective means of promoting small and medium-sized enterprises. It looks at how SMEs can use these platforms wisely for marketing purposes, taking into account how they affect customer behavior and brand awareness. The research findings enhance our comprehension of the relationship between marketing theories and effective techniques for promoting small and medium-sized enterprises. The study's ultimate goal is to offer a solid framework for creating all-encompassing business plans that incorporate social media, marketing, networking, and customized materials to support SME growth and success.

Keywords: SME, Marketing Theory and Tactics, Business Strategy

About the presenter:

Divina Garcia has been an event organizer for thirteen years. She is currently a third-year student at Grabsum School Incorporated, where she is pursuing a Bachelor of Science in Accounting Information System. Married and have two kids. She is an experienced event planner with thirteen years of well-executed event planning experience in a variety of categories. Her specialty is painstaking preparation, flawless execution, and making sure that both clients and guests have an unforgettable time. She is committed to her academic career. Her dedication to increase knowledge and abilities is a reflection of her proactive strategy for fusing theoretical education with real-world experience. She prides herself on being a nurturing and caring spouse in addition to juggling professional career and academics.



Food Safety Knowledge and Hygiene Practices among Street Vendors in Barangay Tibal-og

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ABSTRACT

This descriptive-correlational study aimed to investigate the relationship between food safety knowledge and hygiene practices among street vendors. There were 150 respondents of street vendors in Barangay Tibal-og, Santo Tomas Davao del Norte who were chosen through universal sampling. This study used two adopted questionnaires. Mean, pearson r, and standard deviation were used as statistical tools. The findings of the study showed that food safety knowledge in terms of transmission of food-borne diseases, personal and health hygiene, cross-contamination, and temperature control is much observed. Hygiene practices of street vendors are much evident. The results of this study showed that the food safety knowledge of street vendors has a great influence on hygiene practices. It implies that the knowledge of food safety leads to good hygienic practices, as vendors who understand the importance of food safety are more likely to take measures to ensure their personal and food hygiene is also up to standard. Therefore, it was hoped that this study could influence street vendors to prioritize and adopt good hygiene practices in the hope of achieving several positive outcomes, including increased sales and a positive reputation among customers. By emphasizing the importance of hygiene, the researchers hoped to create awareness among vendors about the impact it can have on their businesses. Also, this study recommends that customers be urged to patronize businesses that place a high priority on cleanliness and safety.

Keywords: Food Safety Knowledge, Hygiene Practices, Street vendors, Barangay Tibal-og, Descriptive-correlational

About the presenter:

Rhahima U. Labao is an aspiring researcher and dedicated student from Santo Tomas College of Agriculture Sciences and Technology. Pursuing a major in Food and Service Management, Rhahima's passion for ensuring food safety has led her to delve into the complexities of street food vendors in Barangay Tibal-og. Her academic journey has equipped her with a comprehensive understanding of food systems and management, driving her to explore the practical implications of food safety in the local context. Her study involves a meticulous examination of street vendors' awareness and adherence to hygiene practices. Rhahima's presentation promises to be a compelling addition to the Research Congress, showcasing the critical role that students from Santo Tomas College of Agriculture Sciences and Technology play in shaping the future of food management and safety.



Digital Marketing Strategies Used by Competing Coffee Shops in Candelaria, Quezon: Perspective of Employees

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ABSTRACT

The study aimed to identify the digital marketing strategies utilized by coffee shops in Candelaria, Quezon, the digital platforms used by coffee shops in digital marketing, and the challenges and benefits of digital marketing strategy and its impact on sales and profitability of coffee shops. The study utilized a qualitative research method and used structured interviews to collect the data from 10 respondents. The study used content analysis and descriptive coding in analyzing the data from the interview. The results revealed that coffee shops in the area use a variety of digital marketing strategies, with social media marketing being the most used, and the identified online platforms that are being used by coffee shops are Facebook, Instagram, Tiktok, Messenger, Websites, and Email with Facebook being the most used platform. Likewise, the result also shows that digital marketing can influence customer decision-making and purchase behavior, which helps coffee shops gain more sales and profits. The identified challenges and benefits of digital marketing are competition and striving to improve their marketing strategies to attract customers; the challenges and the benefits, such as convenience in endorsing their coffee shops and the potential for increased profits and brand recognition. This study implies that digital marketing has many benefits and positive impact on coffee shops. Digital marketing strategy is effective to gain more customers online and increase their sales.

Keywords: digital marketing, business strategies, coffee shops, perspective

About the presenter:

Josh Edric G. Sobrepeña is an inspired student pursuing Accountancy, Business, and Management, hailing from Sta. Catalina National High School in Candelaria, Quezon, Philippines. Currently enrolled in the Senior High School Department within the Quezon Division. Eager to showcase research findings and contribute insights at academic presentations.



Lived Experiences of Street Food Vendors Amidst the Phase of Pandemic Recovery

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Ombao**

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ABSTRACT

This study delved into the lived experiences of street food vendors in Panabo City. It utilized a qualitative-phenomenological research design. With the help of an interview guide, the researchers gathered data from the purposive selection participants. Five in-depth interviews were done to unearth essential data. Using thematic analysis, one theme category was generated: Entrepreneurial adversities characterized by the following experiences: worried due to restrictions, forced to accept reality, and strived to survive with the new normal. Participants disclosed that they used innovative strategies as coping mechanisms, such as adapting to the new normal set-up, learning to thrive amidst uncertainties, and seeking strong support. Additionally, the insights gained from the street food vendors' experiences during the pandemic recovery suggest valuing the significance of strategic planning and management, exploring innovative methods to attract customers, and appreciating the importance of savings and emergency funds. Indeed, the food industry is vulnerable to uncertainties and has the slowest to bounce back; thus, prioritizing and establishing sustainable plans and efforts benefit food business development.

Keywords: street food vendors, pandemic recovery phase, hospitality industry, region 11 Philippines

About the presenter:

Mery Queen J. Dapitanon is a graduating student from Aces Polytechnic College Inc. of Panabo City, Philippines taking up Bachelor of Science in Hospitality Management. Residing at Carmen Davao del Norte, Philippines. A certified Guest Service Professional and NCII holder in Bread & Pastry Production, Housekeeping, Food & Beverage Services, and Cookery.



The Impact of Street Food Handling on Customer Satisfaction in Brgy. Tibal-og Santo Tomas Davao del Norte

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ABSTRACT

This study sought to evaluate the relationship between street food handling and customer satisfaction. A descriptive-correlational survey-based study was conducted in Barangay Tibal-og, Santo Tomas, Davao del Norte. A total of two-hundred twenty (220) street food handlers was the respondents utilizing the total sampling technique. This study used two adapted-modified questionnaires. Mean and Pearson r were used as statistical tools. The findings of the study showed that street food handling in terms of facilities, environment around the stall, personal hygiene, food storage, and utensils was manifested. Customer satisfaction in terms of tangibles, reliability, responsiveness, assurance, empathy, food quality, and customer retention are much observed. Further analysis eventually showed that street food handling significant relationship between customer satisfactions through imposed proper food handling in preparing food by the food handlers. Therefore, this put emphasized that food handlers, customer/consumer, stakeholders, school administrators and even students, and future researchers are encouraged to value the importance of proper food handling and safety in ensuring one's health. Stakeholders and local government may establish forums, seminar, and programs that strengthened food safety through proper handling in all street food sectors. This may be done by abiding the rules and protocols in selling street foods, the implementations and imposed protocols in which was given by the higher authorities to maintained security and assurance of all customers in terms of the food they about to buy and/or eat.

Keywords: street food handling and customer satisfaction, descriptive-correlational, food handlers

About the presenter:

Stephen Necko S. Pajomayo is a currently 4th year student under the course of Bachelor of Technical-Vocational Teacher Education (BTVTED) Major in Food Service Management in Santo Tomas College of Agriculture, Sciences and Technology (STCAST). An independent and persistent student who can managed both academic and sideline jobs. With regards to talents, he is good in cooking and other food related skills. He loves cooking or making variety of dishes or delicacies both local and international dishes. Last May 22, 2023, he joined KAHANAS FESTIVAL, the event which showcases skills and talents in Food and Service Management featuring International Chinese Cuisine; his tea won the cooking competition.



Food Catering Services and Customers' Satisfaction in Barangay Tibal-Og

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ABSTRACT

The primary objective of this study was to determine the relationship between Barangay Tibal-og food catering services and customer satisfaction. This study used a descriptive correlational design for quantitative research. Two sets of adapted-modified survey questionnaires were administered to 200 responders who freely contributed their time and effort to fill out the questionnaires which were the customers who avail the food catering services in different catering establishments. Mean, Pearson r, and standard deviation were used tools to identify the relationship between the variables. The findings of the study showed that food catering services in terms of menu composition, layout design, and service offered are much observed. Customer Satisfaction in food quality, service quality, and price/perceived value of money are much observed. The results of the study indicated that there was no significant relationship between Food Catering Services and Customer Satisfaction. Therefore, it is hoped that this study could motivate food catering services to implant more effective strategies in terms of service quality. By understanding these factors, catering service providers can tailor their offerings to better meet customers' expectations and enhance overall satisfaction. The findings contributed to the existing knowledge on customer satisfaction in the food service industry, in today's food catering business, customer satisfaction is seen as a critical aspect influencing an organization's success the popularity of catering services supports the growing demand for businesses to gauge consumer satisfaction.

Keywords: food catering services, customer satisfaction, descriptive correlational design, service quality, business strategies

About the presenter:

Junard Benolirao Madulara is currently residing in Feeder Road 3, Purok 9-C, Tibal-og, Santo Tomas, Davao Del Norte, Philippines. He is taking up Bachelor of Technical-Vocational Teacher Education Major in Food Service Management at Santo Tomas College of Agriculture, Sciences, and Technology.



Does an Agricultural Intervention Impact the Socio-Economic Development of Farmers in Upland Barangays of Goa, Camarines Sur? Evidence from Regression Discontinuity Design

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ABSTRACT

The contribution of agriculture in the socio-economic development is undeniable and is truly an important part of the Philippine economy. It is also a major source of livelihood and employment of most Filipinos especially in the rural areas. The general intent of this study is to evaluate the impact of the government agricultural intervention on selected upland communities in Goa, Camarines Sur especially on the far-flung barangays of the municipality using Regression Discontinuity Design. This study focused on the local farmers that already received the agricultural interventions and the local farmers that did not receive any agricultural interventions as well and is the basis to determine the socio-economic and poverty status of the local farmers. The study showed that the distribution of seeds, fertilizers and cash assistance to the upland farmers could improve the overall outputs of the farmers and in turn, which can help alleviate the lives of the farmers. The said agricultural interventions of the governments assume that it has a great and positive impact to alleviate poverty and improve the quality of life of the local farmers. On the other hand, irrigation and farm-to-market roads are one of the things that need to be considered or prioritized by the government especially by the agriculture sector to ensure that the output or production in agriculture shall increase.

Keywords: impact evaluation, socio-economic development, upland farmers, regression discontinuity design

About the presenter:

Romy Jake G. Pagador is an outstanding student of the Bachelor of Science in Secondary Education majoring in Social Studies. He specializes in impact evaluation studies and social science econometrics for the socio-economic upliftment of the Partido district.



The Influence of Environmental Accounting Disclosures on Company Performance: A Meta-Analytic Review

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ABSTRACT

Environmental accounting is an emerging subject of interest globally that links accounting with environmental management, protection, and preservation. Since then, environmental accounting has become a prominent topic of research around the globe. In recent years, many research studies have linked environmental accounting to company performance but there has been no consensus regarding the influence of environmental accounting on company performance. This study objectively and empirically bridges this research gap by summarizing and analyzing the existing integrated literature about the influence of environmental accounting on company performance using a meta-analysis approach. The researchers established a fifteen-step procedure for this particular meta-analytic study. This study employed purposive sampling through the help of the pre-established eligibility criteria, 45 primary studies were selected as samples; R Studio software was used to conduct subgroup analysis and meta-regression analysis to analyze the data gathered. This study discovers that environmental accounting disclosure has a relatively weak positive significant influence on company performance based on the population of studies included in the meta-analysis. Further, it was found that publication year, and sample size moderate the influence of environmental accounting disclosure on the company performance, while industry type or sector and the study location indicate an insignificant effect on the link as the results of all moderating variable under study.

Keywords: green accounting, environmental accounting disclosure, company performance, meta-analysis

About the presenter:

Mary Therese L. Obias is presently residing at Belen St., Goa, Camarines Sur, Philippines. She is currently enrolled at Partido State University (main campus) under the Bachelor of Science in Accountancy. She is currently the Finance Service Director of the Rotaract Club of Goa Partido, an accredited organization at Partido State University that is geared toward the purpose of serving the community. She is also an active member of the Christian Youth Fellowship (CYF)-Goa as Treasurer, under Partido Chapter. Presently, she is also a member of the Junior Philippine Institute of Accountants (JPIA) - ParSU Chapter, an organization of students in the field of accountancy.



Determinants of Willingness to Adopt (WTA) Zero Plastic Policy of the Micro, Small, and Medium-sized Enterprises (MSMEs) in the Central Business District of Goa, Camarines Sur, Philippines

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ABSTRACT

Zero plastic policy bans the use of unnecessary plastic or single use plastic to promote a greener environment and to reduce harmful, non-biodegradable waste. This study investigates the business profile, plastic use policies, perceived usefulness, and level of awareness as the determinants of willingness to adopt zero plastic policy of the micro, small, and medium sized enterprises (MSMEs) in the central business district of Goa, Camarines Sur. The study used a descriptive research method, where questionnaires were used to gather data from 105 respondents. Results show that majority of the respondents are highly aware of the zero plastic policy and are willing to implement it as one of their business policies. Based on the regression analyses, it appears that existing plastic use policies, perceived usefulness, level of awareness, age, and number of employees have a direct relationship with the business' willingness to adopt zero plastic policy. The researchers concluded that the aforementioned factors are the determinants of the willingness to adopt zero plastic policy of MSMEs in the central business of Goa, Camarines Sur, Philippines. Using the results of this study as foundation, the researchers recommend transformative activities such as awareness campaigns, capacity building and policy integration, and for a follow-up research covering this study's limitations.

Keywords: determinants, perceived usefulness, willingness to adopt, zero plastic policy

About the presenter:

Jeanna Mariel D. Reyes is a fourth-year student at Partido State University, where she is pursuing a Bachelor of Science in Accountancy (BSA) degree under the College of Business and Management (CBM). She maintained a high general weighted average while being an active student leader; in her second and third years, she held the positions of President of the CBM Student Council and Vice-President for Internal Affairs, respectively. She is currently the Junior Philippine Institute of Accountants - ParSU representative for the fourth year BSA students. Prior to that, she completed four years of junior high school at San Rafael National High School's Science, Technology, and Engineering curriculum, where she initially conducted research regarding the innovation of a water filtration device. She went on to continue senior high school under the Accountancy, Business, and Management strand.



Beneficial Financial Technology Services at Private High Schools Based on Modern Islamic Boarding Schools in Indonesia

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¹High School Student, Zam Zam Muhammadiyah Modern Islamic Boarding School Cilongok-Banyumas, Indonesia; ²High School Student, Darussalam Putri 1 Modern Islamic Boarding School, Mantingan-Ngawi, Indonesia; ³High School Student, Darul Arqam Muhammadiyah Modern Islamic Boarding School Serang City, Indonesia; ⁴High School Student, Entrepreneur Muhammadiyah Modern Islamic Boarding School Gondanglegi-Malang Regency, Indonesia; ⁵High School Student, Nur Rohmah Islamic Private Vocational High-School Bogor City, Indonesia

ABSTRACT

The development of Islamic boarding schools in Indonesia has been very rapid in the last 20 years, marked by improvements in management and public trust. The advantages of modern Islamic boarding schools are infrastructure, management, networks, and human resources. High school-age students are categorized as knowing what is needed and the benefits for themselves. The research objective is to determine the benefits high school students receive from applying financial technology in modern Islamic boarding schools. The research method uses qualitative methods with a case study approach. The sample used a purposive with a simple random sampling technique, namely, high school students in Zam Zam Muhammadiyah Cilongok Modern Islamic Boarding School have transactions with Edupay-Esmart at Logmart during the day. Data collection techniques use questionnaires, observation, and literature study. The research finding transacting or saving at Logmart with Edupay-Esmart is 80.77% because it is easy, 50% because the service is fast, 83.65% because it is safe, 83.65% because the price is affordable, 71.16% increases digital financial literacy, 69, 23% reduces wasteful behavior, 93.26% reduces the risk of losing money, and 74.04% makes financial monitoring easier. Research implications increasing the use of financial technology in Islamic boarding schools will increase the benefits for all parties. Research limitations were carried out in one day at one Islamic boarding school-based high school. Further research will analyze the effectiveness of using financial technology in Islamic boarding schools using a quantitative approach.

Keywords: benefits, digital finance, Edupay-Esmart, Islamic boarding school, Zam Zam Muhammadiyah

About the presenter:

Haudh Al Maa'uun came from Serang City, Banten Province of Indonesia. He is 16 years old, sitting in XI class of high school at the Zam Zam Muhammadiyah Cilongok Modern Islamic Boarding School, Banyumas of Indonesia. He is a scholarship Recipient from Daarut Tauhiid (DT) Peduli as an Excellent Student 2023 and Muhammadiyah Zakat Shadakah Infaq Institute (LAZISMU) Muhammadiyah Prof. Dr. Hamka University 2023. Achievements and awards were obtained at the local level as a short story writer in 2019, an exemplary student in the library reading category in 2021-2022, and the 3rd essay writing competition in 2023. Participant in the International Seminar at International Islamic University of Malaysia (IIUM) 2023. Presenter of the Kuala Lumpur Entrepreneur Essay Competition Youth Summit IIUM 2023. The Most Innovative Entrepreneurship School Program Essay in Essay Competition Kuala Lumpur Entrepreneur Youth Summit IIUM 2023. Presenter at the 3rd International Conference on Islamic Revealed Knowledge Sultan Abdul Halim Mu'adzam Shah Islamic International University, Malaysia (PIW 2023).



Forecasting Stock Market Behavior Using Markov Chain Aided by Matrix Calculator

¹Richelle Ann P. Goyada, ¹Zaira G. Melitante & ²Zussette Candelario-Aplaon

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ABSTRACT

Stock market prediction is vital in the field of economics and in the business world. However, it is a challenging task since it is greatly affected by several factors. Relatively, this study aimed to forecast the behavior of stock market using the historical data from Philippine Stock Exchange Index from January 2022 to July 2023. In addition, the study also used the data from a previous study to further prove the method's reliability. In this paper, the Markov Chain model, a mathematical model under Linear Algebra, was used to analyze and forecast the stock market behavior considering three different states of the stock market: "up" – when the stock price increases, "down" – when the stock price decreases, and "stagnant" – when the stock price remains unchanged. Furthermore, a user-friendly application, Matrix Calculator, was also utilized to show an easier way of solving for the forecasted behavior of the stock market. The results of the study showed that on the 366th day, the probability that the stock market will go up, down, and remain stagnant are 0.3602 or 36.02%, 0.4036 or 40.36%, and 0.2389 or 23.89%, respectively. Moreover, the chances that the stock market will go up, down, and stagnant on the 367th day are 0.3612 or 36.12%, 0.4047 or 40.47%, and 0.2396 or 23.96%, respectively.

Keywords: forecasting, stock market behavior, Markov chain, Linear Algebra, matrix calculator

About the presenter:

Richelle Ann P. Goyada is a fourth year college student taking up Bachelor of Secondary Education major in Mathematics at Mindoro State University — Bongabong Campus. She is an active member of several organizations in her school, and a consistent honor student since elementary. She has also attended several trainings, seminars, and competitions throughout the years to further expand her knowledge and improve her skills. She took up Education program because being a teacher is her dream and it is her passion to teach students.



Institutional Partners & Collaborators



Universiti Teknologi Mara is the largest public university in Malaysia with more than 200 thousand students all over the country. It has branches in all 14 the states and each state has multiple city campuses. Programs offered are in all area from Diploma to PhD. The areas are accountancy, administration & law, business & management, architecture, engineering, science & technology, computer science, hotel & catering, geomatic & planning, mathematic & actuarial science, office management and TESL. The latest programs are pharmacy and medical programs.



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