

# BATANGAS STATE UNIVERSITY CHRONICLE

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*Leading Innovations, Transforming Lives*



# BatStateU

## Chronicle

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BATANGAS STATE UNIVERSITY  
IN PARTNERSHIP WITH NATIONAL COMMISSION FOR CULTURE AND ARTS  
AND PROVINCE OF BATANGAS

# CULTURAL MAPPING TRAINING

October 18 - 22, 2021

## BatStateU advances Batangas Culture and Arts preservation through a virtual training



Activate Windows  
Go to PC settings to activate Windows.

### PARTICIPATING LOCAL GOVERNMENT UNITS:



**Batangas State University, through the efforts of the Culture and Arts Office, conducted a five-day Cultural Mapping Training, in partnership with the National Commission for Culture and the Arts (NCCA), held via Zoom, October 18-22.**

This webinar-training intends to advance and protect the Batangueños' unique cultural legacy, in relation to the University's pursuit of developing projects and in forming cooperation between different institutions for the benefit of the communities of the province. This training was also a product of the mandate of the National Culture Heritage Act of 2009, which states that appropriate cultural organizations and local governments (LGUs) are required to keep a record of inventory of the cultural properties under its jurisdiction, and furnishing NCCA a copy of the said inventory.

In her welcome remarks, Officer-in-Charge of the Office of the University President, and Vice President for Administration and Finance Atty. Luzviminda Rosales highlighted the importance of conducting this virtual cultural mapping training, and its advantage to the preservation of the rich Batangas culture.

"Collection of ideas, consolidation of write-ups through archives, and hearing the sentiments of the local people will play an integral part in the methods of mapping the culture and heritage of the areas and places around the province," she shared.

Batangas Governor and an advocate of culture and the arts himself, Hon. Hermilando

I. Mandanas, also graced the event and underscored the significance of conducting this training to the cultural heritage of the entire province, during his inspirational message.

Faculty researchers and instructors from the Social Science Department of the University participated in this five-day workshop. In addition, 27 interested Local Government representatives from cities and municipalities (Nasugbu, Balayan, Taal, and Sta. San Nicolas, Mabini, Calaca, Taysan, Teresita, Batangas City Sto. Rosario, Ibaan, Mataas na Kahoy, Cuenca, Talisay, Tomas, Lemery, Alitagtag, Bauan, Padre Garcia Agoncillo, Calatagan, Lobo, San Pascual, San Jose, San Juan, Tanauan, Lian, Lipa, and Balete ) of the province of Batangas attended this workshop.

Different modules were discussed during the five-day cultural mapping training, which helped the attendees to understand the substance and value of maintaining and safeguarding the Batangas legacy in culture and the arts, as well as the processes on how to properly implement and facilitate the cultural mapping proper. The said modules were discussed by NCCA facilitators. Breakout rooms were also provided to each grouping after each module to guide the faculty researchers during the workshop proper.

## Day 1

- Module 1: Cultural Heritage and Mapping - Ms. Divine Arawiran
- Module 2: Cultural Mapping Research Methods - Ms. Ricamela Palis
- Module 3: Appreciating Participatory Resource and Principles in Cultural Mapping, and Mapping Culturally Significant Natural Heritage - Ms. Sierra Cecilia Alparce – Penamante

## Day 2

- Module 4: Mapping Tangible Immovable Heritage - Ms. Sierra Cecilia Alparce – Penamante

## Day 3

- Module 5: Mapping Tangible Movable Heritage - Ms. Sierra Cecilia Alparce – Penamante

## Day 4

- Module 6: Mapping Tangible Movable Heritage - Ms. Ricamela Palis

The cultural mapping training concluded by synthesizing and evaluating the summary of the learning from the five-day activity, which yielded good and fruitful outcomes despite the challenges faced during the workshops.



# BatStateU forges ahead CALABARZON RIIC in partnership with DTI & DOST

**In a bid to further boost the economy of the CALABARZON Region, the Department of Trade and Industry (DTI) recently launched the CALABARZON Regional Inclusive Innovation Center (RIIC) in a ceremony held via Zoom and Facebook Live, October 19.**

The Linking Innovation Networks for Competitiveness in CALABARZON—or—LINC CALABARZON, the branding of the Region IV-A RIIC, is a collaborative effort among the DTI and various partners in the public and private sectors. It aims to create a platform for innovative and inclusive entrepreneurship in the region, which is composed of the provinces of Cavite, Laguna, Batangas, Rizal, and Quezon.

During the launch, DTI Secretary Ramon Lopez emphasized in his keynote speech the importance of innovation in driving economic growth and development, particularly in the post-pandemic world. He also highlighted the potential of CALABARZON as a hub for innovation, given its large population and strategic location in relation to major cities like Manila and nearby ports.



Officials from BatStateU, USAID STRIDE, DTI, and other partner agencies pose for a photo, which marks the official start of the CALABARZON RIIC or LINC.

The RIIC is expected to support the growth of micro, small, and medium enterprises (MSMEs) in the region by providing access to various resources, such as training and mentoring, networking opportunities, and funding support. It will also focus on promoting sustainable and inclusive innovation that benefits not only businesses, but also the community and the environment.

In his discussion of the LINC CALABARZON Innovation Program, Vice President for Research, Development and Extension Services of BatStateU, Engr. Albertson D. Amante explained the RIIC's sub-programs that bring together the region's innovation stakeholders to boost economic competitiveness. This include the BARAKO: Batangas Actions towards Revitalization and Acceleration of Kapeng Barako Industry, BARIIC: Business Acceleration in the Region through Ideation, Innovation and Collaboration, RIIC Virtual Collab, and Inclusive Innovation Ecosystem Mapping.

The event was graced virtually by DTI IV-A

Regional Director Marilou G. Quinco-Toledo, DOST IV-A Regional Director Dr. Emelita P. Bagsit, DTI Undersecretary for Competitiveness and Innovation, Rafaelita M. Aldaba, DOST Undersecretary for Regional Operations Engr. Sancho A. Maborang, DOST Undersecretary for Research and Development Dr. Rowena Cristina I. Guevara, Director of the Office of Education of the USAID Philippines Dr. Thomas Le Blanc, DTI Regional Operations Group Undersecretary Blesila A. Lantayona, and other various government agency directors and officers, internal and external BatStateU - The NEU stakeholders, BatStateU officials, and representatives from different Higher Education Institutions from all around the country.

With the launch of the RIIC, the DTI hopes to accelerate the economic recovery of the CALABARZON region, which has been heavily affected by the COVID-19 pandemic. This initiative is expected to create new opportunities for entrepreneurship, job creation, sustainable development, and ultimately contribute to the overall growth of the Philippine economy.

# LINC CALABARZON launches its first RIIC venture in Project BARAKO



**Batangas State University, and the LINC CALABARZON recently launched the Project BARAKO of Batangas Actions towards Revitalization and Acceleration of Kapeng Barako, a multi-stakeholder initiative aimed at reviving the coffee industry in the province.**

On October 21, several government officials, industry stakeholders, and local farmers gathered at Pueblo Farms in the Municipality of Rosario, Batangas. The initiative is a partnership between Batangas State University, CALABARZON's Regional Inclusive Innovation Center in Linking Innovation Networks for Competitiveness, the Province Government of Batangas, the Department of Agriculture, and several corporate sector partners.

Project BARAKO aims to promote the production, processing, and marketing of Kapeng Barako, a locally-grown coffee variety known for its strong and distinct flavor. The project seeks to improve the livelihoods of coffee farmers in the province, as well as to

strengthen the local economy by promoting Batangas as a prime coffee destination.

During the event, Batangas Governor Hermilando I. Mandanas emphasized the significance of the coffee business to the province's economy as well as its cultural value to Batanguenos. He also highlighted the challenges that local coffee farmers faces, primarily in production and marketing.

Dr. Tirso A. Ronquillo, BatStateU President, emphasized the importance of revitalizing the old glory and distinction of the Batangas Kapeng Barako through projects like this, along with the shared responsibility of the University and the province in the production and seeding of the Liberica coffee seeds, specifically with the farmers of Rosario.

The project will provide various interventions to address these challenges, including the provision of quality planting materials, training



and capacity building for farmers, and the establishment of coffee processing and marketing centers in key areas of the province.

The Department of Agriculture has committed to providing technical assistance and support for the project, particularly in the areas of research and development, while private sector partners have pledged to provide funding and expertise in areas such as marketing and branding.

Notwithstanding, Project BARAKO is intended to have a strong influence on the Batangas coffee industry as well as the livelihoods of the province's coffee farmers. It is also seen as a vital socioeconomic driver in the

province, having the potential to draw tourists and investors.

Batangas Governor Hon. Hermilando I. Mandanas led the distribution of coffee seedlings and trees to the Batangas coffee farmers, assisted by Project head Dr. Romel U. Briones.

The launch of Project BARAKO is only the first stage in a long-term endeavor to reinvigorate and accelerate the growth of Batangas' Kapeng Barako sector. The project is intended to make a substantial contribution to the province's overall development with the assistance of numerous stakeholders and the commitment of the provincial administration.



Officials from BatStateU and local partners gather to celebrate the launch of Project BARAKO, an initiative aimed at positioning sustainable coffee farming practices and uplifting the Batangas coffee industries.





# CALABARZON RIIC forwards its first activity in Innovation Challenge Roadshow



University President Dr. Tirso A. Ronquillo and Ms. Honey C. Tirador from CTI welcome participants, keynote speakers, and industry partners in CALABARZON RIIC's Innovation Challenge Roadshow.

**CALABARZON, Philippines – On October 29, LINC Calabarzon and Batangas State University debuted their Innovation Challenge Roadshow, a series of events designed to promote innovation and entrepreneurship in the region.**

The roadshow was held via Zoom and Facebook live, featured various activities, such as startup pitches, workshops, webinars, panel discussions, and networking opportunities, all designed to foster innovation and collaboration among entrepreneurs and innovators in the region.

The Innovation Challenge Roadshow is part of LINC CALABARZON'S broader mission to create an environment of innovation and entrepreneurship in the region, particularly among micro, small, and medium enterprises (MSMEs).

LINC CALABARZON hopes to find and encourage promising startups and innovators, as well as link them with numerous resources and possibilities that can help them expand and scale their enterprises, through the roadshow. The roadshow also included the Innovation Challenge Competition, in which selected startups pitched their ideas to a panel of judges for the chance to win cash prizes and other perks such as mentorship, networking opportunities, and access to capital.

In his welcome remarks, University President Dr. Tirso A. Ronquillo underscored the significance of imparting innovation to our students, as it inspires and sparks new ideas, translated to start-ups, which can answer and provide solutions to some of the world's most pressing problems.

"Batangas State University, as a lead implementer of the CALABARZON RIIC is very glad to host this Innovation Challenge Roadshow, as a part of the LINC CALABARZON Programs. We believe that innovation has always been and continues to be the lifeblood of the progress and development of nations. It is for this reason that BatStateU pushes aggressively forward to many more programs that lead to innovation by harnessing different branches of knowledge," he added.

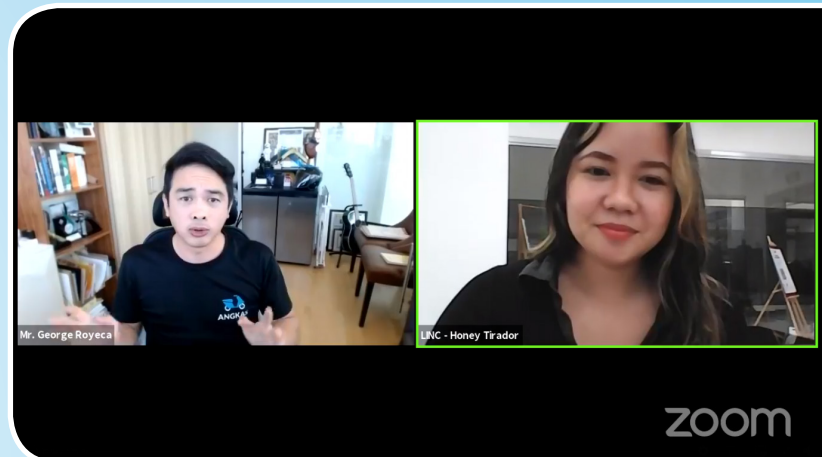
The roadshow also featured various workshops and training sessions, covering topics such as business planning, marketing, and intellectual property. Mr. George Royeca, CEO of Angkas, an expert in his field, presented his best innovation practices in the emergence of motorcycle taxis in Metro Manila. Other discussants in the panel discussion also highlighted the importance of knowing the different Sustainable Development Goals (SDGs) , and how the University should embrace sustainable innovation. Meanwhile, Engr. Felix Veroya, the founder of the Ask Lex PH Academy, expounded on the importance of design thinking and how it is used to solve different problems.

In addition to the startup pitches and workshops, the roadshow also provided a platform for networking and collaboration, with various stakeholders in the innovation ecosystem in attendance, including investors, accelerators, and government agencies. This enabled the start-ups and innovators to connect with potential partners, customers, and supporters, and to gain a broader perspective on the innovation landscape in CALABARZON.

The Innovation Challenge Roadshow is a testament to the growing innovation and entrepreneurship culture in CALABARZON, and to the region's potential as a hub for innovation and growth. With the support of the DOST and various private sector partners, LINC CALABARZON is committed to driving the growth of the innovation ecosystem in the region, and to supporting the development of a vibrant and inclusive entrepreneurial community.

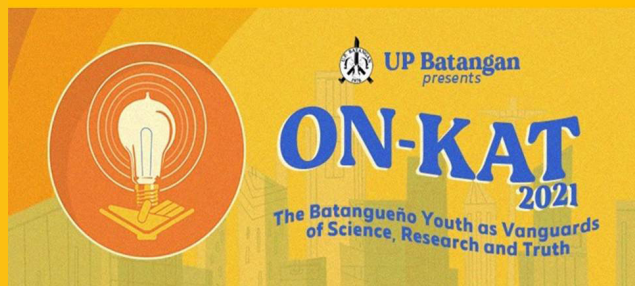


Keynote Speaker and Angkas CEO Mr. George Royeca shares their various ways of Innovation, reflecting the success of Angkas.



BatStateU researchers spearhead a panel discussion of the 17 Sustainable Development Goals about Innovation.

# BatStateU-IS hails as overall champion in KAT inter-school competition



ONKAT 2021  
Overall Results  
"The Batangueño Youth as Vanguard of Science, Research, and Truth."

**The Batangas State University Integrated School (BatStateU-IS) was hailed overall champion after it bested 25 other public and private schools from Batangas in this year's Online Karibok ang Tuktok (On-KAT): "The Batangueño Youth as Vanguard of Science, Research and Truth" held from November 9-13, 2021.**

The On-KAT is an academic inter-school competition organized by the University of the Philippines (UP) Batangan featuring different contest categories including essay writing, poster and digital art making, photo essay, quiz bee, impromptu speaking, and filmmaking competition for all Batangueño students. UP Batangan is a duly recognized organization of Batangueño students in UP Diliman.

This victory is a reclamation for BatStateU-IS since its first win as KAT overall champion last 2005.

Mr. Luis Philip M. Oropesa, BatStateU-IS Head Teacher III, recognized the collaborative efforts of their teachers, coaches, participants, and the support of the parents that enabled them to reclaim the KAT victory after 16 years.

*"As we reflect on this success, we realized that it is not the pandemic nor the difficulty of being physically apart that can stop the Batang IS to be at their best. May this recognition be an inspiration to the entire IS Community as we continue to hone the young members of the University to become Mahusay, Mabuti, at Mapanagutan."*

Five (5) Batang IS senior high school (SHS) students were hailed as winners which include Julienne Marie A. Parizal, 1<sup>st</sup> place, Poster

Making; Anthonina Dhapniella C. Vael, 1<sup>st</sup> place, Photo Contest, Lindsay R. Gutierrez, 2<sup>nd</sup> place, Digital Art Making, Gerr Sonn R. Villena, 3<sup>rd</sup> place, Pagsulat ng Sanaysay; and Justeen Kharla M. Manalo, 5<sup>th</sup> place, Dagliang Talumpati.

Moreover, the BatStateU-IS Junior High School (JHS) was also awarded as the 1<sup>st</sup> runner-up overall winner after garnering seven awards in this level of the competition. The Batang IS JHS winners are : Allynah H. Macatangay, 2<sup>nd</sup> place, Essay Writing; Aedele Mae G. Beloso, 2<sup>nd</sup> place, Pagsusulat ng Sanaysay; Carmelo Emanuel O. Echanez, 2<sup>nd</sup> place, Poster Making; Vanessa Marie M. Lorida, 3<sup>rd</sup> place, Photo Contest; Jaurice Margaret M. Macalalad, 4<sup>th</sup> place, Dagliang Talumpati; Portia S. Antenor, 4<sup>th</sup> place, Impromptu Speech; and Frances Ysabelle E. Agdamag, Reinald Arne I. Bool and Mihr Chloe S. Parcon (Team B), 1<sup>st</sup> runner-up, Quiz Bee Finals.

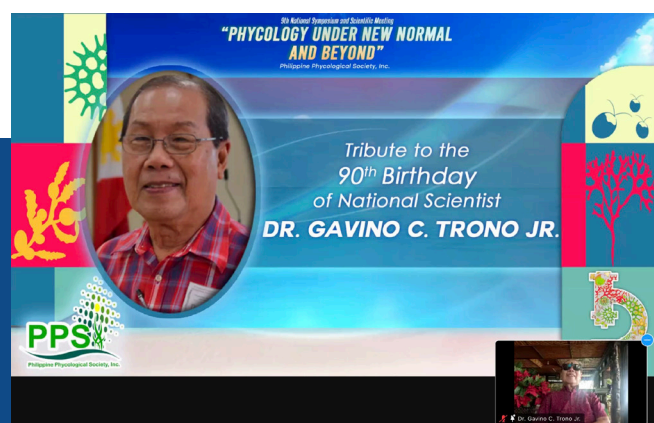
Further, two (2) IS grade school students, Zofiyah Kyle D. Almario and Lance Gabriel B. Panaligan won 2<sup>nd</sup> place in Digital Art Making and 5<sup>th</sup> place in Poster Making respectively.

Following BatStateU-IS as overall champion is the Philippine Science High School – CALABARZON Region Campus as overall 1<sup>st</sup> runner-up and The Mabini Academy as overall 2<sup>nd</sup> runner-up winner.

# Phycology under the 'new normal' addressed in BatStateU-PPSI joint symposium



The Philippine Phycological Society, Inc. (PPSI) successfully held its 9<sup>th</sup> National Symposium and Scientific Conference through Zoom platform in partnership with the BatStateU through the Verde Island Passage Center for Oceanographic Research and Aquatic Life Sciences (VIP CORALS) on November 12-13.



The biennial symposium, held virtually for the first time, was themed “Phycology Under New Normal and Beyond” which aimed to provide an ideal forum to stimulate ideas, establish collaborations, and initiate discussions in the field of phycology. PPSI is an SEC-registered organization in pursuit to promote the science of Phycology (study of algae) in the country.

Approximately 80 participants from international and local academic and research institutions attended the event to discuss contemporary research related to Phycology given the current global context.

The two-day virtual event featured experts from various parts of the world. Dr. Victoria Chraibi, Assistant Professor of Biological Science at Tarleton State University-USA shared strategies on active learning and teaching Phycology in the new normal.

Dr. Suzanne McGowan, Professor of Freshwater Science of the Netherlands Institute of Ecology presented outcomes of assessing water quality in tropical lakes using chlorophyll and carotenoid pigment.

On the other hand, Dr. Roberta D'Archino, Marine Biologist - Coast and Oceans of the National Institute of Water and Atmospheric Research (NIWA) tackled the diversity biosecurity and monitoring on the case of seaweeds in New Zealand.

Dr. Joel L. Cuello, a Filipino professor of Biosystems Engineering at the University of Arizona-USA talked about the possibility of microalgae as a disruptive innovator on the future of meat.

The symposium also featured oral presentations from professionals and students which presented a broad range of research findings related to Phycology. Other research papers were presented through asynchronous poster viewing and pitch.

More so, one of the highlights during the program was the tribute offered on the 90<sup>th</sup> birthday of National Scientist Dr. Gavino C. Trono Jr., a Filipino biologist dubbed as the “Father of Kappaphycus Farming”.

Dr. Trono was conferred the rank of National Scientist of the Philippines for contributions to the study of tropical marine phycology, focusing on seaweed biodiversity. He is currently a professor emeritus at The Marine Science Institute of the University of the Philippines Diliman (UP MSI), where he works on the bio-ecology and cultivation of the brown seaweeds *Sargassum* spp. and refining his recently developed culture technology for the red seaweed *Halymenia durvillei*.

The symposium also witnessed the virtual oath-taking of new members of the PPSI and awarding of the best oral and poster presentation.



# International Conference on Innovations in Engineering Education **2021**

Engineering Educators: Active Drivers of Innovation

**ICIEE2021**

November 10-11, 2021

## Engineering education curriculum re-envisioned in BatStateU-hosted int'l conference

Pioneering efforts on engineering education, Batangas State University, through its Center for Innovation in Engineering Education (CIEE), successfully hosted its 1<sup>st</sup> International Conference on Innovations in Engineering Education (ICIEE) 2021 with the theme “Engineering Educators: Active Drivers of Innovation” held virtually via Zoom Webinars on November 10-11.

With 783 participants representing 50 local higher education institutions (HEIs) and 12 international institutions, universities, and professional organizations, the conference served as an engaging platform for academicians, researchers, and educators to convene and spark intellectual discussions, refresh perspectives, and share expertise, best practices, and experience that will benefit the academe, industry, and pertinent government bodies, along with other key sectors.

During the conference’s opening ceremony on November 11, University President Dr. Tirso A. Ronquillo welcomed the participants and put forward the trailblazing efforts of BatStateU in re-envisioning engineering education through the CIEE – the University’s official arm in advancing engineering education.

*“We consider this conference as one of the largest conferences ever arranged on engineering education in the country. We are very fortunate to be able to stage world-renowned figures, professionals, experts, and researchers who would definitely spark insightful discussions, best practices and experiences, and innovations on*

*engineering education,”* shared Dr. Ronquillo.

Dr. Sheryl Sorby, immediate past president and fellow of the American Society for Engineering Education (ASEE) and CIEE advisory board member delivered the keynote address with the theme “Innovating Today Towards the Engineering Mindset of the Future”. She presented the current efforts of the ASEE to review the present state of engineering and engineering technology education in preparing engineers and ways to fundamentally improve the access, diversity, success, and preparation of undergraduate engineering students.

*“As president of the ASEE last year, I appointed a task force on re-envisioning the engineering curriculum to promote diversity, equity, and inclusion in our programs and to foster better learning for the jobs of tomorrow,”* Dr. Sorby elaborated during her presentation.

The conference also featured plenary sessions, panel discussions, and masterclasses with experts from the Philippines, China, Malaysia, Myanmar, Nigeria, Singapore, Taiwan, Thailand, USA, and the Netherlands as resource persons:



BatStateU officials, headed by Dr. Tirso A. Ronquillo, join the university's first-ever International Conference on Innovations in Engineering Education.

### Plenary sessions:

- Prof. Dr. Gong Ke, President, World Federation of Engineering Organizations (WFEO) and Dr. Xu Lihui of the International Centre for Engineering Education (ICEE) – joint plenary session on the “Continuing Role of Engineering Education in the Attainment of the SDGs: UNESCO Engineering Report 2021”
- Dr. Sarah Ann Rajala, At-Large Director (2021-2022) of the Accreditation Board for Engineering and Technology, Inc. (ABET) – “Quality Assurance in Engineering Education”
- Aldert Kamp, Co-Director of the CDIO Initiative – “Matching Future-Fit Engineering Education with the CDIO Framework”

### Panel discussion on Inclusion and Diversity in Engineering Education

- Engr. Federico A. Monsada, fellow member of the CIEE's advisory board, President of the Philippine Technological Council (PTC), and former chair of the ASEAN Federation of Engineering Organizations (AFEO)
- Prof. Madya Dr. Syed Ahmad Helmi Syed Hassan, head of the Research Group in Engineering Education (RGEE) and fellow at the Center for Engineering Education (CEE) of Universiti Teknologi Malaysia (UTM)
- Engr. Yetunde Adeobola Holloway, Chair of Women in Engineering at WFEO and Founding Executive of the Association of Professional Women Engineers of Nigeria (APWEN) in Lagos, Nigeria
- Engr. Dr. Cho Win Maw, Acting President, Vice President, and Evaluator of the Myanmar Engineering Council (MEC)

### Panel discussion on Teaching and Learning in the New Normal: Best Practices in Southeast Asia

- Dr. Helene Leong from, Co-Director & Regional Leader (Asia), CDIO Initiative and Director, Educational Development Department, Singapore Polytechnic
- Prof. Satesh Narayana Namasivayam, Associate Head for Energy, Geoscience, Infrastructure and Society and Professor of Engineering and Science at Heriot-Watt University, Malaysia Campus
- Assoc. Prof. Dr. Natha Kuptasthien, Director of Graduate Office at the Rajamangala University of Technology Thanyaburi (RMUTT) and CDIO Initiative key person for Thailand

### Parallel Masterclasses:

- Sin-Moh Cheah, Senior Academic Mentor and Head of the Teaching and Learning Unit at the School of Chemical and Life Sciences at Singapore Polytechnic – “Advances in Integrated Learning Experiences Using Core Principles of Learning”
- Prof. Haydn H.D. Chen, Founding Vice President of the Asian Society for Engineering Education (AsiaSEE) and Professor Emeritus at the Department of Materials Science and Engineering of the University of Illinois Urbana-Champaign – “Innovation of Engineering for the Future Universities”
- Dr. Lim Chee Leong from Taylor's, Director of the Learning Innovation and Development (LID) at the Centre for Future Learning, Taylor's University (Malaysia) – “Redesigning Learning for Effective Engagement in the Virtual Learning Environment”
- Dr. Jennifer Culver, Educational Consultant at the Texas International Education Consortium (TIEC)

The conference also featured the announcement of the top 10 winning teams of the Innovation Challenge Competition, a thematic competition that challenges HEI students to ideate, innovate, and pitch solutions addressing the Sustainable Development Goals. Said teams shall undergo an innovation program to improve the minimum viable products, conduct validation activities, and prepare for the final demo and pitching day scheduled on December 6 and 7 during the 5<sup>th</sup> International Research Conference on the Innovations in Engineering, Science, and Technology (IRCIEST V).

The ICIEE 2021 is solely organized by the CIEE in time for the celebration of the College of Engineering's 50<sup>th</sup> anniversary and the 118<sup>th</sup> year founding anniversary of the University as an institution of higher learning.

# BatStateU receives 2021 Outstanding Project Implementer

The CALABARZON Regional Development Council (RDC) awarded Batangas State University (BatStateU) as the 2021 Outstanding Project Implementer during its 4<sup>th</sup> Quarter Full Council Meeting held via Zoom video conference on December 9.

University President Dr. Tirso Ronquillo accepted the award during the virtual ceremonies led by RDC Chairperson Batangas Governor Hermilando I. Mandanas. Later on December 17, Engr. Luis G. Banua, Director of the National Economic and Development Authority (NEDA) IV-A presented the Plaque of Recognition to Dr. Ronquillo at the NEDA Bldg. in Calamba City, Laguna.

According to NEDA, the Search for Outstanding Project Implementer (SOPI) is an annual activity of the CALABARZON Regional Project Monitoring Committee (RPMC) which aims to promote the efficient and effective implementation of development projects in the region. The project implementer is evaluated based on its efficiency in project management and implementation, innovations and good practices, and budget utilization.

Engr. Antonio A. Gamboa, Director of the Project Management Office (PMO) submitted the Construction of the Two-Storey Student Services Center Building (SSCB) II Project of the JPLPC-Malvar Campus in the search. The project started last December 2019 and was completed in



NEDA Region IV-A Director, Engr. Luis G. Banua hands the Plaque of Recognition to Dr. Tirso A. Ronquillo after being awarded as the 2021 Outstanding Project Implementer.

December 2020 with a total project cost of Php 22.5 million.

During the validation meeting of the Evaluation Committee last Oct. 28, BatStateU was recommended for the award after passing the evaluation criteria. Last Nov. 4, the CALABARZON RPMC formally endorsed BatStateU to the RDC Ad Hoc Committee on Awards as the SOPI awardee.

Among the best practices and innovations of BatStateU in the project include the creation of multiple-layered Project Management Team (PMT); well-structured project implementation and management processes through coordination meetings and quality assurance and cost control methods, provision of project inspection and corrective action reports; and the continuous evaluation of existing external providers for ongoing and other completed projects.

Since 2014, the University

has witnessed massive infrastructure development, through the leadership of Pres. Ronquillo, that is faithful to its mandate of providing a world-class university atmosphere to its students and responding to the challenges of the 21<sup>st</sup> century.

Through strategic planning and sound project management, the University was able to complete 98 infrastructure projects amounting to nearly Php 1.6 billion from 2014-2021. These projects include the construction of additional higher education buildings, libraries, student centers, research and development facilities, technology park, and improvement of campus environment.

Currently, BatStateU has 19 ongoing infrastructure development projects in all of its constituent and extension campuses with a total contract amount of over Php 627 million under the strict monitoring of the PMO.



# 53<sup>rd</sup> COMMENCEMENT EXERCISES

Theme: "Batangas State University:  
Leading Innovations for Transformative Development"

## BatStateU's 53<sup>rd</sup> Commencement Exercises: Over 1,400 Red Spartans march to success



On November 25-26, 2021, more than 1,400 Red Spartans received their diplomas and marched to success during Batangas State University's 53<sup>rd</sup> Commencement Exercises across its 11 campuses.

With the theme, "Batangas State University: Leading Innovations for Transformative Development," the university celebrated its graduates' accomplishments, who were determined to finish their studies despite the challenges of online learning during the COVID-19 pandemic

In the comfort of their own homes, the graduates celebrated the end of their studies and the start of a new part of their lives with their families, friends, and people from the University. The ceremony was made more meaningful as it served as a testament to the Red Spartans' hard work and dedication.

"Today is a day of great celebration, not only for our graduates but for the entire Batangas State University community," said University President Dr. Tirso A. Ronquillo as he gave his keynote speech at the momentous occasion.

"These young Red Spartans have worked hard to earn their degrees, and we are proud of their achievements. We are confident that they will go on to do great things in the world, and we look forward to seeing the impact that they will make," he added.

The University presented a number of awards and honors to students who had excelled in their studies, including scholarships and leadership awards. It also featured speeches from Latin Honor awardees.

The 53<sup>rd</sup> Commencement Exercises of Batangas State University, was a memorable one for the Red Spartans who took the time to reflect on their journey and celebrate their achievements. With their degrees in hand, they are now ready to take on the world and make a difference in their chosen field of study.



# BatStateU hosts International Energy and Electricity Market Business Decision Simulation Online Competition

**Batangas State University**  
in partnership with  
**Shanghai University of Electric Power**  
announces

**THE 3<sup>rd</sup> INTERNATIONAL ENERGY AND ELECTRICITY MARKET BUSINESS DECISION SIMULATION ONLINE COMPETITION**

**Objectives of the competition:**

- To enhance business application and innovation capabilities of students in the energy and electric power industry.
- To build platforms for international friendship among University students from all over the world.

**Participating Countries:**  
China, India, Indonesia, Malaysia, Philippines, Russia, Singapore, Sri Lanka, Thailand, and Vietnam

<https://www.batstate-u.edu.ph>

The BatStateU community hosted the International Energy and Electricity Market Business Decision Simulation (IEEMBDS) Online Competition, held via Zoom and Facebook Live, September 7.

This event brought together students from around the world to compete in a simulation of the energy and electricity market, with the goal of developing the next generation of leaders in the field of energy and electricity.

Initiated by Shanghai University of Electric Power (SUEP), the competition was organized by the BatStateU College of Engineering and Technology in partnership with industry leaders in the energy and electricity sector. The event was held online, in light of the current global pandemic, to ensure the safety and well-being of all participants.

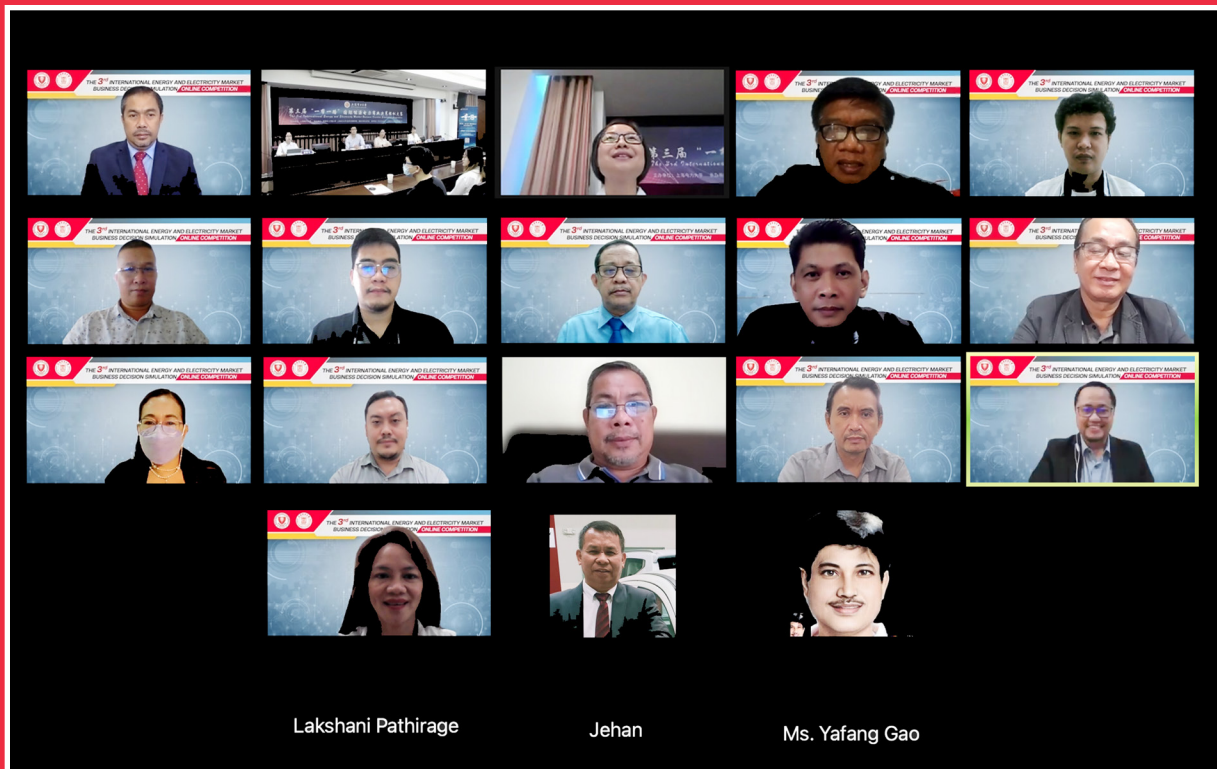
"I am confident that this international competition will substantially prepare our students for the world of work where business decision-making is a very critical component," Senator Joel Villanueva, Chairman of the Philippine Senate Committee on Higher, Technical and Vocational Education said as he delivered his keynote message. More so, he commended the collaboration between BatStateU and SUEP in utilizing the power of digital technology to enhance the innovative capabilities of the students and encourage international friendship and camaraderie.

BatStateU President Dr. Tirso A. Ronquillo, in his remarks, shared the significant impact of the competition in strengthening the power of innovation and entrepreneurship mindset of students from international partner universities from China, Indonesia, Sri Lanka, Thailand, Vietnam, and the Philippines.

"This will engage students in real-life cases in power business and other related innovations that are needed in the future energy and power industry market," Pres. Ronquillo conveyed his message.

Participants were tasked with making strategic business decisions in a simulated energy and electricity market, with the goal of maximizing profits and minimizing costs. The competition was designed to be a realistic representation of the energy and electricity market, providing participants with a valuable learning experience and the opportunity to apply their knowledge and skills in a real-world setting.

The competition was a huge success, with a record number of participants from universities all over the world.



Officials from BatStateU and other universities in Asia attended the awarding ceremony of the 3<sup>rd</sup> International Energy and Electricity Market Business Simulation Online Competition.

During the awarding ceremony last November 8, the following emerged as the winners and were awarded cash prizes and recognition for their outstanding performance:

- CHAMPION** - TELEPHATIC (Shanghai University of Electric Power, China)
- FIRST PRIZE** - STIMULUS (University of Moratuwa, Sri Lanka)  
- SPARTAN KRYPTONITE (Batangas State University, Philippines)
- SECOND PRIZE** - BHINEKA (Universitas Singaperbangsa Karawang, Indonesia)  
- VAJRA SUT (Suranaree University of Technology, Thailand)  
- DREAM (Electric Power University, Vietnam)  
- THE BEST OF BBA TEAM (Nakhon Phanom University, Thailand)  
- MANAGEMENT DASHBOARD (Shanghai University of Electric Power, China)
- SPECIAL PRIZE** - LUMIERE (Batangas State University, Philippines)

The event also provided an opportunity for participants to network with industry leaders and experts in the field of energy and electricity, providing valuable connections and opportunities for future careers. It also showcased BatStateU's commitment to providing students with a world-class education and the opportunity to gain real-world experience.

# University Faculty Confederation welcomes New Set of Officers

The newly-elected faculty confederation officers of Batangas State University gathered in the Board Room in the Office of the President, 4<sup>th</sup> floor, Student Services Building to participate in the Faculty Confederation Oath Taking Ceremony. The event was attended by the University President, newly-elected officers, and some BatStateU officials, December 20.



The ceremony began with the singing of the national anthem, followed by an opening address by the University President Dr. Tirso A. Ronquillo. In his speech, he emphasized the importance of the faculty in shaping the future of the university and thanked them for their dedication and hard work.

After his speech, he administered the oath of service for the newly-elected officers of the BatStateU Faculty Confederation. The officers, coming from different campuses of the University, stood up to recite the oath, which affirmed their commitment to the University's mission and values.

Dr. Kristoffer Conrad M. Tejada, the newly-elected President of the confederation, who will also serve as the University's Faculty Regent, thanked the University President, in behalf of his co-officers, for the guidance and support of the University in the endeavors of the confederation, all for the benefit of the teaching workforce of the University.

The following are the newly elected set of officers of BatStateU Faculty Confederation.

- President** - Kristoffer Conrad M. Tejada
- Vice President** - Joseph D. Balangay
- Secretary** - Joseph D. Mendoza
- Treasurer** - Kenneth R. Magpantay
- Auditor** - Michael Q. Balanay

**Business Manager** - Imelda M. Flores  
**Peace Officers** - Teejay D. Panganiban  
Sherryl M. Montalbo

**PRO** - Alexander J. Corachea

**Board of Directors** (appointed, as per CBL):

- Daryl M. Magpantay
- Jesse Nelson P. Llana
- Jonelyn B. Sandoval
- Dennis T. Villanueva
- Cherry D. Abeleda
- Persius M. Garcia
- Edwina D. Rodriguez
- Elvis B. Lumanglas
- Bryan M. Macasaet
- Michael H. San Miguel

The event was a solemn and meaningful occasion. It served as a reminder of the important role played by the faculty in the educational process. The faculty members pledged to maintain the highest standards of integrity, excellence, and professionalism in their teaching, research, and service to the University community.


The ceremony concluded with a reception where the officers mingled and enjoyed refreshments. In general, the Faculty Confederation Oath Taking Ceremony was a successful event that brought together the University community and served as a symbol of unity and commitment to the institution's mission and vision.

# BatStateU holds Town Hall Meeting to discuss accelerating vaccination efforts in preparation for limited F2F classes

 **TARA MAGPABAKUNA, BALIK ESKWELA NA!**

## Safe School Reopening and COVID-19 Vaccination

Razel Nikka M. Hao, MD-MBA, MSc  
Director III  
Disease Prevention and Control Bureau

 Republic of the Philippines  
Department of Health

A Townhall Meeting with Faculty, Employees and Students on  
Accelerating Vaccination in Preparation for the Limited Face-to-Face Classes



 **TARA MAGPABAKUNA, BALIK ESKWELA NA!**

## TARA MAGPABAKUNA, BALIK ESKWELA NA!

IMPLEMENTATION OF LIMITED FACE TO FACE (LF2F) CLASSES FOR ALL PROGRAMS DURING THE COVID-19 PANDEMIC

A Townhall Meeting with Faculty, Employees and Students on  
Accelerating Vaccination in Preparation for the Limited Face-to-Face Classes



**Dr. Nikka M. Hao of DOH explains the importance of Covid-19 Vaccination in the return of the students to a face-to-face (F2F) setup.**

**VPAF Atty. Luzviminda C. Rosales imparts the guidelines for implementing the limited F2F classes for all programs amidst the Covid-19 pandemic.**

In an effort to safely return to in-person learning, Batangas State University, through the efforts of the Office of the University Health Services, in coordination with the Department of Health, held a town hall meeting in “Tara Magpabakuna, Balik Eskwela Na!”, discussing the plans for accelerating vaccination efforts in the community, November 19.

The meeting, which was held via Facebook live, was attended by BatStateU employees, administrative officials, parents, and community members.

Dr. Leila M. Manalo, University Physician, stated in her opening remarks, “We are committed to the safety of our students and staff, and we know that getting as many members of our community vaccinated as possible is crucial in order to bring everyone back to the classroom.”

During the meeting, Dr. Razel Nikka M. Hao, DOH’s Director IV for Disease Prevention and Control Bureau, highlighted the importance of getting as many members of the community vaccinated as possible, in order to create a safe environment for students and staff to return to in-person classes. She also discussed the various ways in which vaccinations will be made more accessible, such as, through mobile clinics and partnerships with local clinics, and local government units.

Dr. Hao also addressed concerns about vaccine hesitancy and provided information on the safety and efficacy of the vaccines. She also emphasized the importance of community members getting vaccinated in order to protect not only themselves, but also the most vulnerable members of the community.

Vice President for Administration and Finance Atty. Luzviminda C. Rosales also discussed the guidelines provided by the Inter-Agency Task Force for the Management of Emerging Infectious Diseases (IATF), for the community to have an idea on what are the essential knowledge to be consumed, before going back to the limited face-to-face class. This was also steered by the Joint Memorandum Circular of the Commission on Higher Education (CHED) and the Department of Health (DOH) for the implementation of LF2F of Higher Education Institutions (HEIs).

Altogether, the meeting was seen as a positive step towards safely returning to in-person classes and getting the community back to a sense of normalcy. Officials assured that they will continue to work closely with community members to ensure that everyone has access to the vaccine and all information they need to make informed decisions.

Information was also provided on the specifics of the vaccination acceleration plan, including dates and locations for mobile clinics and partnerships with the Batangas City LGU. Community members are encouraged to stay informed and to get vaccinated as soon as they are eligible.

# DOST grants funding to BatStateU for Regional Inclusive Innovation Center implementation



DOST-4A Regional Director Emelita P. Bagsit and University President Dr. Tirso A. Ronquillo sign the MOA for the implementation and funding of RIIC in CALABARZON.

**BATANGAS CITY –** The Department of Science and Technology (DOST) – Region IV-A entered into partnership with the Batangas State University (BatStateU) through a Memorandum of Agreement (MOA) for the initial implementation of the Regional Inclusive Innovation Center (RIIC) in Calabarzon, on October 7.

An initiative by DTI and DOST, supported by the USAID Science, Technology, Research and Innovation for Development (STRIDE), the RIIC is one of the cornerstones of the 2018 Inclusive Filipinovation and Entrepreneurship Roadmap to strengthen the capacity for innovation to drive inclusive economic growth in the countryside.

Under the Grants-In-Aid program, DOST-4A has committed Php 1.4M funds for strengthening the operation of RIIC in CALABARZON including support for the Barako coffee sector, establishment of a Business Innovation Unit (BIU) under BatStateU Knowledge, Innovation and Science Technology (KIST) Park and other innovation programs. The BIU aims to be a dynamic one-stop-shop for prospective innovators in the region, with the goal of increased utilization and uptake of innovation programs/services and R&D outputs among MSMEs.

The MOA was signed by DOST-4A Regional Director Emelita P. Bagsit and Assistant Regional Director for Technical Operations Mr. Francisco Barquilla, with counterparts from BatStateU

President Tirso Ronquillo, and Vice President for Research, Development and Extension Services Engr. Albertson Amante.

The agreement builds on the approval of the Regional Development Council (RDC) for the establishment of the Calabarzon RIIC last December 2020, with DOST-4A and DTI-4A as lead government agencies, and BatStateU as the anchor academe institution and lead implementer. This is only the first phase of the implementation and is expected to produce outcomes for a more developed and accessible innovation environment across the region.

A ceremonial awarding of funds was held on October 19, during the launch of the RIIC Innovation program and official brand, dubbed as “Linking Innovation Networks for Competitiveness in Calabarzon” –or– “LINC CALABARZON.” The event also unveiled the LINC CALABARZON Website that houses a regional innovation database, consolidating local innovation resources for increased access among MSMEs and other stakeholders



# 5<sup>th</sup> International Research Conference on Innovations in Engineering, Science and Technology

December 6-7, 2021

THEME: Innovations in Engineering, Science and Technology for the New Normal and Beyond

## Innovators discuss eng'g, S&T for the 'new normal' in a virtual int'l conference

The Batangas State University successfully staged its 5<sup>th</sup> International Research Conference on Innovations in Engineering, Science and Technology (IRCIEST V) with the theme "Innovations in Engineering, Science and Technology for the New Normal and Beyond" held virtually for the first time via the FLOOR platform, December 6-7.



DOST Secretary Fortunato T. dela Peña, BatStateU President Dr. Tirso A. Ronquillo, other university officials, and guests participate in the university's 5th IRCIEST, held via ZOOM and FLOOR platform.

More than 470 participants from local higher education institutions (HEIs), private institutions, and business organizations joined the knowledge sharing event which served as a dynamic platform for S&T and engineering students, professionals, technopreneurs, and researchers to share advances in various fields and stages of technology applications and commercialization.

According to University President Dr. Tirso A. Ronquillo, IRCIEST's main goal is to enjoin researchers from different institutions across the globe to do more collaborative work in order to provide innovative solutions to the immediate problems in the 'new normal'.

"The Batangas State University remains committed to strengthening and enhancing the capabilities of our researchers as we continue to build upon our commitment to forge a country that is able to reap the fruits of innovation in engineering, science and technology in the knowledge-based economy," Dr. Ronquillo shared during his opening remarks.

Department of Science and Technology

(DOST) Secretary Fortunato T. Dela Peña, delivered the keynote address. He presented various projects DOST has crafted to inspire more life-changing innovations in the new normal through the Science and Technology for a Resilient Community against the Pandemic or STRAP program.

"As part of the scientific community, we will continue to find solutions that our rich human resources can put up through our support for science and technology projects. We need to collaborate and partner more with our universities and research institutions to take part in our endeavors in research and development," Sec. Dela Peña concluded in his keynote address.

The conference also featured a keynote lecture from Ms. Salla Eckhardt, Director of Transformation Services of Microsoft on "Digital Transformation in the New Normal and Beyond" as well as plenary sessions, panel discussions, and masterclasses with innovators from the Philippines, Australia, Malaysia, Singapore, and United States as resource speakers.

#### **Plenary sessions:**

- Mr. Christopher H. Cooper, Chief Science Officer and CEO, Airlock 389
- Mr. George Royeca, Chief Transport Advocate, Angkas

#### **Panel discussion on Women Growth and Innovation:**

- Ms. Katrina R. Chan, Director, QBO Innovation Hub
- Ms. Paula Mills, Founder & CEO, Academy of Entrepreneurs
- Ms. Priya Thachadi, Co-Founder and CEO, Villgro Philippines
- Mr. Chris Peralta, Founder and CEO, Silicon Valley HQ

#### **Panel discussion on Building Regional Startup Enablers for Ecosystem Development**

##### **RESEED Consortium Representatives from different Regions:**

- Dr. Thelma D. Palaoag, University of the Cordilleras, TARAKI Cordillera
- Dr. Jose D. Guzman, Cagayan State University, SINAG Cagayan Valley
- Engr. Dennis R. Dela Cruz, Bulacan State University, SULONG Central Luzon
- Engr. Albertson D. Amante, Batangas State University, ICONS South Luzon
- Engr. Shearyl U. Arenas, Technological Institute of the Philippines, QC SCALE NCR
- Dr. Carmelo V. Ambut, Iloilo Science and Technology University, UMWAD Western Visayas
- Ms. Janice Antoniette V. Förster, Silliman University, DASIG Central Visayas
- Engr. Bronson G. Mabulay, University of Science and Technology of Southern Philippines, MindSET Northern Mindanao
- Mr. Miguel Carlo Guillermo, University of the Philippines Mindanao, IDEAS Davao
- Engr. Edward Paul Apigo, Senior Science Research Specialist, DOST PCIEERD - RITTD

#### **Parallel Masterclasses:**

- Mr. Neelesh Bhatia, CEO, Akadasia - "Adapting a Universal Design for your Online Classroom"
- Mr. Kelvin Ng Han Yao, Analytics Specialist, Quandatics - "From Data to Prediction Without Coding"
- Dr. Seow Kok Huie, Senior Application Engineer, TechSource Systems - "Machine Learning Techniques and Enhanced Signal Processing for Sensor Data Analytics"
- Dr. Vincent Chai, Sr. Program Manager, CAD-IT Consultants (Asia) Pte Ltd. - "The Role of Simulation in Industry 4.0"

A total of 36 papers were presented during the parallel sessions tackling food and agriculture; engineering education, S&T, electronics, data science and analytics; instrumentation and control; automation and control; information and communication technology, biochemistry and molecular biology, and energy and environment.

The conference was formally closed with the awarding of Best Presenters and Best Research Papers as well as the announcement of the top 3 winners in the Innovation Challenge Competition.

The AIRIN start-up project of the Nueva Vizcaya State University was announced as the champion in the competition, bagging Php 35,000.00 cash prize. Meanwhile, the Cocolfuel project of Mindanao State University-Iligan Institute of Technology and the Polypelletech project of the University Rizal System were

awarded as the 2nd placer and 3rd placer, receiving Php 20,000.00 and Php 10,000.00 as cash prizes, respectively. The 7 other contestants received an amount of Php 5,000.00 each, as a consolation prize.

Ms. Emelita P. Bagsit, Regional Director of the Department of Science and Technology and major sponsor of the Innovation Challenge Competition graced the occasion and assisted in the awarding of winners.

Engr. Albertson Amante, IRCIEST V Conference Chair officially closed the conference by expressing his gratitude to all participants and committee members for the successful virtual event and invited everyone for the 6th IRCIEST in 2023.

IRCIEST V is a biennial conference organized and spearheaded by the Batangas State University since 2013.

# BatStateU lights up the holiday spirit with a festive Christmas Tree Lighting Ceremony

**Batangas State University (BatStateU) kicked off the holiday season with a grand Christmas Tree Lighting Ceremony held at the Pablo Borbon Campus on December 1, 2021.**

The night began with a festive atmosphere as students took to the stage to showcase their talents, dancing to the beat of traditional Christmas carols and belting out new holiday favorites. As the clock struck the appointed hour, Dr. Tirso A. Ronquillo, University President, led the countdown to the lighting of the magnificent Christmas tree that stood tall and proud at the center of the campus. As the switch was flipped and the tree came to life, a dazzling array of colorful lights and sparkling ornaments illuminated the night sky, signaling the official start of the holiday season at BatStateU. The fireworks display that followed made the crowd even more ecstatic.

As the night progressed, the excitement reached new heights as the BatStateU community officially launched the 2021 Christmas ID, "Diwa ng Paskong Red Spartan." Originally written by Julianna Anne E. Briones and Bryan Aaron M. Reyes, talented students from the College of Arts

and Sciences, who emerged as champions in the 2021 MusiKatha (an annual Christmas song writing competition initiated by the University Student Council), the song sends a message of hope, peace, and joy to the entire Red Spartan community. More so, it reminds them to hold on to the spirit of the season, even in the face of challenges and breakthroughs.

The event was a resounding success. From the student performances, to the countdown and lighting of the magnificent Christmas tree, the night was filled with joy, laughter, and a sense of unity among the students, faculty, and staff. The event served as a reminder of the strong sense of community that exists at BatStateU, fostering camaraderie and feeling of belongingness among all those in attendance. It was a night to remember and a heart-warming celebration that will be cherished by the entire BatStateU community for years to come.





# BatStateU Central Administration celebrates *Christmas Program with a heart*



**As a festive and joyous occasion, the employees of BatStateU Central Administration celebrated a Christmas program before the holiday break. The party brought together staff, and administrators for an evening delight with food, drink, and merriment at Governor Feliciano “Sanoy” Leviste Memorial Gymnasium, December 12.**

The Office of Administration and Finance served as organizer and provided a short, but meaningful and fun program, with festive background music, adding to the jovial atmosphere.

Dr. Tirso A. Ronquillo, the University President, greeted the Red Spartan community with a warm welcome, which he also thanked for their hard work and dedication throughout the entire year. The program then kicked off with a variety of games and activities which drew smiles and laughter into the faces of everyone. Many of the staff were seen mingling and catching up with their coworkers and wishing each other a happy holiday.

After the reception, employees sat down for a sumptuous dinner. At the same time, a series of raffle prizes were being picked out from the electronic roulette, adding excitement and energy to the already active and lively University Gym.

The highlight of the party was a Christmas presentation by each office that had everyone in stitches. The presentations were both entertaining and thought-provoking, and many in the audience were moved to laughter and tears.

Many were delighted by the singing and some of them even came to the stage to dance along.

The University President of Batangas State University Dr. Tirso A. Ronquillo shared that, “The annual Christmas program is a great opportunity for everyone to come together and celebrate the end of the year. It is a time to relax, have fun and show appreciation to all who have put in throughout the year.”

The Christmas celebration ended with a grand raffle, where several staff members won prizes such as home appliances and sacks of rice. Also, all employees from the Central administration received noche buena packages and 5 kilos of rice. The staff and administrators left the party feeling in the holiday spirit, looking forward to a well-deserved break and a happy 2021.

Overall, the Christmas party for the employees was a resounding success. It was a great way for the staff to come together and celebrate the end of the semester and the holiday season. The good food, good company, and good cheer made for a memorable day that everyone will be talking about until next year’s Christmas party.

**COLLEGE OF ENGINEERING, ARCHITECTURE AND FINE ARTS**

Doctor of Philosophy in Electronics Engineering  
 Doctor of Philosophy in Engineering Management  
 Doctor of Philosophy in Engineering Education  
 Master of Science in Electronics Engineering  
 Master of Science in Computer Engineering  
 Master of Science in Artificial Intelligence  
 Master of Science in Advanced Manufacturing  
 Master of Science in Alternative Energy Engineering  
 Master of Science in Construction Management  
 Master of Science in Earthquake Engineering  
 Master of Science in Naval Architecture  
 Master of Science in Transportation Engineering  
 Master of Science in Materials Engineering  
 Master in Urban Planning and Design  
 Master in Engineering Management  
 Master of Engineering

- Major in Civil Engineering
- Major in Chemical Engineering
- Major in Computer Engineering
- Major in Electrical Engineering
- Major in Electronics Engineering
- Major in Environmental Engineering
- Major in Industrial Engineering
- Major in Mechanical Engineering

Bachelor of Science in Chemical Engineering  
 Bachelor of Science in Civil Engineering  
 Bachelor of Science in Computer Engineering  
 Bachelor of Science in Electrical Engineering
 

- Major in Machine Automation & Process Control
- Major in Renewable Energy Resource Design

 Bachelor of Science in Electronics Engineering
 

- Major in Information & Communication Technology
- Major in Microelectronics

 Bachelor of Science in Food Engineering  
 Bachelor of Science in Industrial Engineering  
 Bachelor of Science in Instrumentation & Control Engineering  
 Bachelor of Science in Mechanical Engineering  
 Bachelor of Science in Mechatronics Engineering  
 Bachelor of Science in Petroleum Engineering  
 Bachelor of Science in Sanitary Engineering  
 Bachelor of Science in Automotive Engineering  
 Bachelor of Science in Aeronautics Engineering  
 Bachelor of Science in Material Science and Engineering  
 Bachelor of Science in Transportation Engineering  
 Bachelor of Science in Biomedical Engineering  
 Bachelor of Science in Geodetic Engineering  
 Bachelor of Science in Geology/Geological Engineering  
 Bachelor of Science in Ceramics Engineering  
 Bachelor of Science in Metallurgical Engineering  
 Bachelor of Science in Architecture  
 Bachelor of Science in Naval Architecture  
 and Marine Vehicle Engineering  
 Bachelor of Fine Arts major in Visual Communication  
 Bachelor of Science in Interior Design

**COLLEGE OF ACCOUNTANCY, BUSINESS, ECONOMICS  
AND INTERNATIONAL HOSPITALITY MANAGEMENT**

Doctor of Public Administration  
 Doctor of Business Administration  
 Master of Science in Port Management  
 Master of Science in Supply Chain Management  
 Master of Business Administration  
 Master in Public Administration  
 Master in Logistics Management/Port Administration  
 Master in Disaster Risk Management  
 Diploma in Disaster Risk Management  
 Bachelor of Science in Accountancy  
 Bachelor of Science in Business Administration
 

- Major in Business Economics
- Major in Financial Management
- Major in Human Resource Management
- Major in Marketing Management
- Major in Operations Management

 Bachelor of Science in Hospitality Management  
 Bachelor of Science in Tourism Management  
 Bachelor in Public Administration  
 Bachelor of Science in Customs Administration  
 Bachelor of Science in Entrepreneurship  
 Bachelor of Science in Management Accounting  
 Bachelor of Science in Public Health for Disaster Response

**COLLEGE OF NURSING AND ALLIED HEALTH SCIENCES**

Bachelor of Science in Nursing  
 Bachelor of Science in Nutrition and Dietetics

**COLLEGE OF LAW**

Bachelor of Laws

**COLLEGE OF INDUSTRIAL TECHNOLOGY**

Doctor of Technology  
 Master of Technology  
 Bachelor of Industrial Technology
 

- Major in Automotive Technology
- Major in Civil Technology
- Major in Computer Technology
- Major in Drafting Technology
- Major in Electrical Technology
- Major in Electronics Technology
- Major in Food Technology
- Major in Instrumentation and Control Technology
- Major in Mechanical Technology
- Major in Mechatronics Technology
- Major in Welding and Fabrication Technology

**COLLEGE OF INFORMATICS AND COMPUTING SCIENCES**

Master of Science in Computer Science  
 Master of Science in Information Technology  
 Master of Science in Data Science and Analytics  
 Bachelor of Science in Computer Science  
 Bachelor of Science in Information Technology
 

- Major in Service Management Track
- Major in Business Analytics Track
- Major in Network Technology Track

**COLLEGE OF TEACHER EDUCATION**

Doctor of Education in Educational Management  
 Doctor of Philosophy in Educational Management  
 Doctor of Philosophy in Mathematics Education  
 Master of Arts in Education
 

- Major in Educational Management (Thesis/ Non-Thesis Program)
- Major in Mathematics Teaching
- Major in Science Teaching
- Major in English Language Teaching
- Major in Filipino Language Teaching
- Major in Physical Education
- Major in Psychology
- Major in Social Studies Teaching
- Major in Technology and Livelihood Education Teaching

 Bachelor of Elementary Education  
 Bachelor of Early Childhood Education  
 Bachelor of Secondary Education
 

- Major in Science
- Major in English
- Major in Filipino
- Major in Mathematics
- Major in Social Studies

 Bachelor of Technology & Livelihood Education
 

- Major in Home Economics

 Bachelor of Technical-Vocational Teacher Education
 

- Major in Garments, Fashion and Design
- Major in Electronics Technology
- Major in Electrical Technology
- Major in Automotive Technology
- Major in Computer Programming Technology
- Major in Food and Service Management

 Bachelor of Physical Education

**COLLEGE OF ARTS AND SCIENCES**

Doctor of Philosophy in English major in Language and Literature  
 Master of Arts in English major in Language and Literature  
 Master of Science in Mathematics  
 Master of Chemistry  
 Master in Development Studies  
 Bachelor of Arts in English Language Studies  
 Bachelor of Science in Biology  
 Bachelor of Science in Chemistry  
 Bachelor of Science in Criminology  
 Bachelor of Science in Development Communication  
 Bachelor of Science in Mathematics  
 Bachelor of Science in Psychology

**COLLEGE OF AGRICULTURE & FORESTRY**

Bachelor of Science in Agriculture  
 Bachelor of Science in Forestry

**INTEGRATED SCHOOL**

Kindergarten  
 Grades I – VI  
 Grades VII – X - Junior High School  
 Grade XI-XII - Senior High School

## **University Vision**

A premier national university that develops leaders in the global knowledge economy

## **University Mission**

A university committed to producing leaders by providing 21<sup>st</sup> century learning environment through innovations in education, multidisciplinary research, and community and industry partnerships in order to nurture the spirit of nationhood, propel the national economy and engage the world for sustainable development

## **University Enablers**

Governance  
Human Resource  
Financial Resources  
Infrastructure  
Linkages  
Government

## **University Core Values**

Patriotism  
Integrity  
Excellence  
Service  
Resilience  
Faith

## **Quality Policy**

Batangas State University is committed to provide quality service to all customers and satisfy applicable requirements through continuous improvement of all university processes.

BATANGAS STATE UNIVERSITY

# CHRONICLE

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## **BATANGAS STATE UNIVERSITY**

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