



BACHELOR OF SCIENCE *in* CIVIL ENGINEERING LEVEL IV



HYPERLINK

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PROGRAM INFORMATION

1. Program

- a. Name of Program: **BS CIVIL ENGINEERING**
- b. Degree Granted: **BACHELOR OF SCIENCE IN CIVIL ENGINEERING**
- COLLEGE OF ENGINEERING AND ARCHITECTURE**

2. Academic College where the Program is offered:

3. Institution

- a. Name **CAGAYAN STATE UNIVERSITY**
- Campus **CARIG CAMPUS**
- where the Program is offered:

4. Name and Title

- a. Dean of the College: **ENGR. JOHN MICHAEL B. CASIBANG, MST, MSCE**
- b. President of the University: **DR. ARTHUR G. IBAÑEZ, ASEAN ENGR.**

5. Legal Bases of the Program:

- a. **PRESIDENTIAL DECREE NO. 1436** was signed on June 11, 1978, creating the Cagayan State University by merging the Cagayan Valley College of Arts and Trades in Tuguegarao, the Northern Luzon State College of Agriculture in Piat, the Aparri Institute of Technology, the Cagayan Valley Agricultural College in Lal-lo, the Bukig National Agricultural and Technical School in Aparri West, the Sanchez Mira Rural Vocational School, the Western Cagayan School of Arts and Trades in Lasam, and the Gonzaga Agricultural and Technical School.





BACHELOR OF SCIENCE IN CIVIL ENGINEERING 4TH SURVEY VISIT

- b. **CHED MEMORANDUM ORDER NO. 92, SERIES OF 2017. POLICIES AND STANDARDS FOR BACHELOR OF SCIENCE IN CIVIL ENGINEERING (BSCE) PROGRAM.** In accordance with the pertinent provision of Republic Act (RA) No. 7722 otherwise known as the “Higher Education Act of 1994,” and by virtue of the Commission en Banc Resolution No. 788-2017 dated October 24, 2017 and for the purpose of making relevant the general principles and guidelines for the operation of Bachelor of Science in Civil Engineering Program, CMO No. 37 s. 2012 is adopted and promulgated the Commission on Higher Education.
- c. **CHED CERTIFICATE OF PROGRAM COMPLIANCE (COPC) NO. 053, s. 2015.** Compliance with the policies and standards for the Bachelor of Science in Civil Engineering in accordance with CMO 37, s. 2012.

6. Accreditation Status **LEVEL IV**
Applied for:

7. Present **LEVEL III, PHASE 2**
Accreditation Status
and Inclusive Period of
Effectivity:



PRIMER

Internationalization is one of the most important ways to make education better in the 21st century, according to many people. Cagayan State University is putting this philosophy into action as it prepares to open its doors to the international stage to promote the cause of excellent education, cutting-edge research, responsive extension, and constructive community involvement on a larger scale. People believe that CSU will be one of the best schools in the Philippines and the Asia Pacific region. This university is making it easier for people to make strong and useful connections and partnerships with universities and organizations all over the world. This is in line with the Commission on Higher Education's CMO 55, s. 2016, which sets out the policy framework and strategies for making Philippine higher education more international.

In response, Cagayan State University made it clear that it wanted to be competitive on the world stage by aligning its aims and aspirations as one academic community, as stated in its vision and mission:

CORE VALUES

Three core values form the strong base that guides and supports the CSU

Core Values	Institutional Outcomes
Competence	• Critical Thinker • Creative Problem-Solver • Competitive Performer: Nationally, Regionally, and Globally
Social Responsibility	• Sensitive to the ethical demands • Steward of the environment for Future generations. • Social justice and economic equity
Unifying Presence	• Uniting Theory and Practice • Uniting strata of Society • Uniting tradition and the nation, the ASEAN Region, and the world • Uniting the University & the community

administration in running all its programs and projects. These values are the foundation of the Cagayan State University's vision and mission. The acronym CSU stands for the core values.

CSU is aware that making higher education more international is important for getting people from all over the world involved, improving the quality of education, and creating a diverse and welcoming learning environment. So, CSU has made the framework, process, and plan to carry out its plans for internationalization. It has set up the Internationalization, Partnership, and Resource Mobilization (IPRM) office, which is run by the Vice President for IPRM. This person is in charge of making sure that the university's connections are strong and that they are being used. The IPRM office is



responsible for promoting and developing CSU's Internationalization of Higher Education in the global environment by encouraging active partnerships.

The following are the key objectives that guide CSU in its internationalization efforts:

1. Enhance International Partnerships and Collaborations
2. Promote Student Mobility and Global Experiences
3. Foster Global Research and Innovation
4. Develop Internationalized Curricula and Programs
5. Strengthen Intercultural Competence and Language Proficiency
6. Establish a Robust Support Structure for Internationalization
7. Monitor and Evaluate Progress

To reach these goals, the University sets aside yearly funds for its internationalization efforts to give the office the tools it needs to connect with other important international stakeholders as a first step toward reaching more people.

The University has undertaken these initiatives to fulfill its core mission: equipping graduates with the competencies required to thrive in the 21st century—technologically adept, globally aware, and culturally responsive. In support of this, the College of Engineering and Architecture has strategically aligned its internationalization goals with the academic and developmental objectives of both the college and the BS Civil Engineering Program. This alignment ensures that global partnerships, faculty mobility, and internationally benchmarked instruction directly enhance the program's outcomes in engineering innovation, sustainable infrastructure, and professional readiness.

COLLEGE GOALS

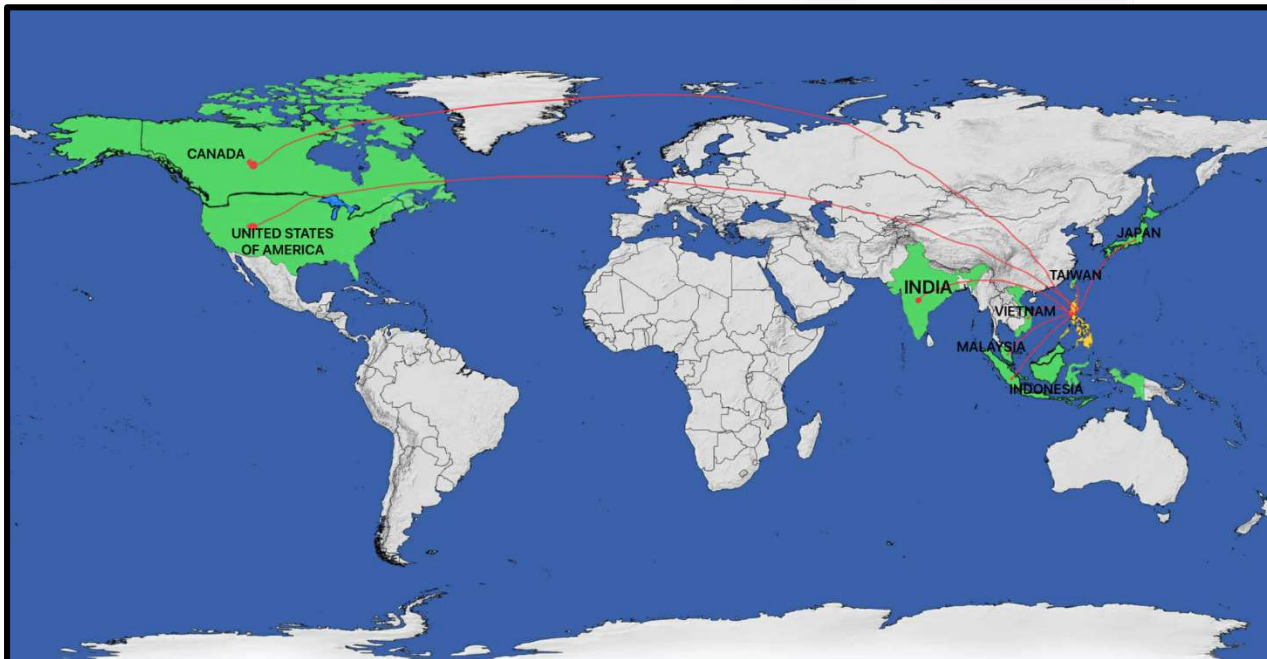
The College of Engineering and Architecture is expected to produce graduates who are globally competitive, multi-culturally responsive, and ethically upright professionals.

PROGRAM OUTCOMES

By the time of graduation, the students of the BS Civil Engineering program shall have the ability to:

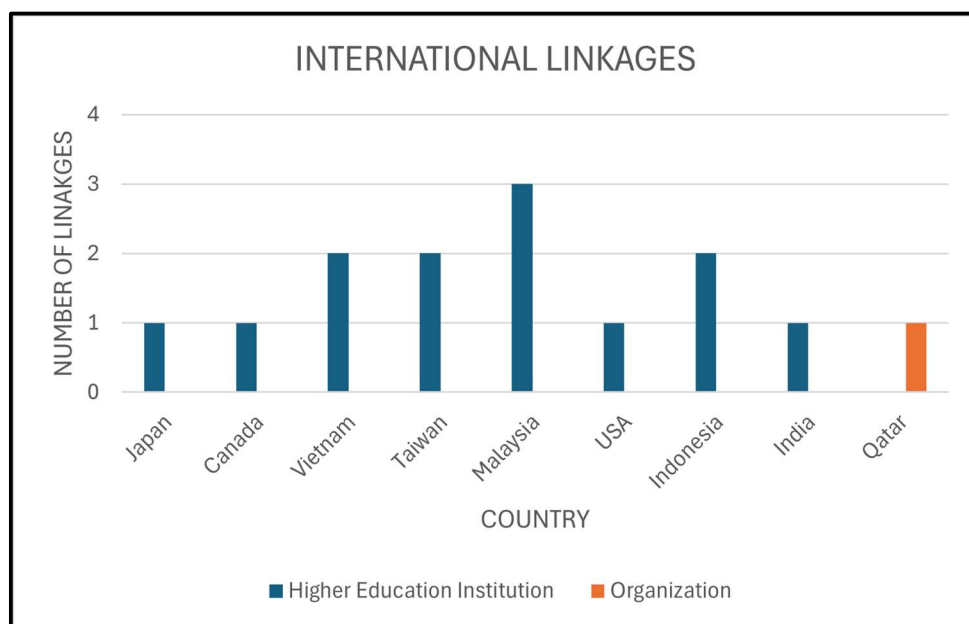
- Apply knowledge of mathematics and science to solve complex civil engineering problems.
- Design and conduct experiments, as well as to analyze and interpret data.
- Design a system, component, or process to meet desired needs within realistic constraints, in accordance with standards.
- Function in multidisciplinary and multi-cultural teams.
- Identify, formulate, and solve complex civil engineering problems.
- Understand professional and ethical responsibility.
- Communicate effectively civil engineering activities with the engineering community and with society at large.
- Understand the impact of civil engineering solutions in a global, economic, environmental, and societal context.
- Recognize the need for and engage in life-long learning.
- Know contemporary issues.
- Use techniques, skills, and modern engineering tools necessary for civil engineering practice.
- Know and understand engineering and management principles as a member and a leader of a team, and to manage projects in a multi-disciplinary environment.
- Understand at least one specialized field of civil engineering practice.

International Linkages



The Cagayan State University intensifies its cooperation among international universities and organizations to advance knowledge frontiers and promote social diversity by expanding its network of partners to the Asia Pacific region and beyond.

The Map Chart exhibits the location of the different international partners of the university that expands across three different continents: Asia, North America, and Europe. The different countries with CSU partnership include nine countries which are USA, Canada, Indonesia, Malaysia, Taiwan, Vietnam, Japan, and India.



CSU-Carig Campus maintains international linkages primarily with higher educational institutions.

Malaysia leads with three academic partners, followed by Vietnam, Taiwan, and Indonesia with two each. Japan, Canada, the USA, and India hold single academic partnerships, while Qatar stands out as the sole organizational linkage— indicating minimal non-academic engagement.



This geographic spread—from Southeast Asia to North America and the Middle East—reflects CSU’s strategic commitment to global academic collaboration, faculty development, and research exchange.

International Linkages of Cagayan State University (Educational Institutions)

	Name of Educational Institutions	Country	Validity of Implementation	Nature of linkage	MOU link
1	Yuvakshetra Institute of Management Studies https://www.yuvakshetra.org/	India	August 22, 2023- Present	Academic and Research	CSU-YIMS
2	Universitas Muhammadiyah Sumatera Utara (UMSU) https://umsu.ac.id/	Indonesia	November 11, 2022 - Present	Academic and Research	CSU-UMSU
3	Unitar International University (UNITAR)	Malaysia	May 27, 2022 - Present	Academic	CSU-UNITAR
4	Universiti Teknologi Malaysia. https://www.utm.my/	Malaysia	April 17, 2023, to Present	Academic and Research	CSU-UTM
5	National Taiwan Ocean University (NTOU) https://english.ntou.edu.tw/	Taiwan	February 08, 2022- Present	Academic	CSU-NTOU
6	Kansas State University	USA	October 20, 2021-Present	Cultural, Educational and Research	CSU-KSU
7	Universiti Teknologi MARA https://news.uitm.edu.my/2025/06/uitm-achieves-new-milestone-in-qs-world-university-rankings-wur-2026-strengthening-its-academic-standing/	Malaysia	July 13, 2021 - Present	Academic and Research	CSU-UITM
8	Management and Science University	Malaysia	January 2020- Present	Academic and Research	CSU-MSU
9	Yuan Ze University https://www.yzu.edu.tw/index.php/en-us/	Taiwan	December 12, 2019	Research	CSU-YUAN ZE U
10	Thai Nguyen University of Agriculture and Forestry https://aims-rihed.net/thai-nguyen-university-of-agriculture-and-forestry/	Vietnam	August 1, 2019- Present	Academic	CSU-TNU OF AGRI AND FORESTRY
11	Saint Mary’s University https://www.smu.ca/	Canada	2019 to 2024	Academic	CSU-SMU
12	Soka Gakka International	Japan	February 7, 2018-Present	Education and Research	CSU-SOKA GAKKA



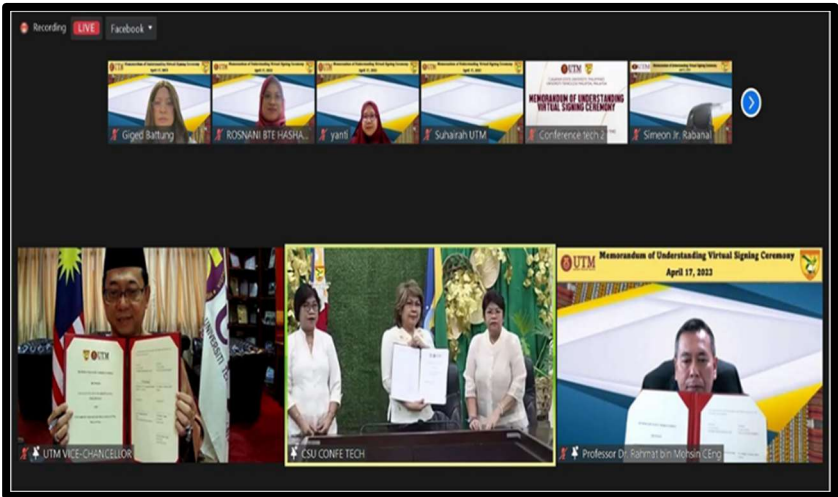
International Linkages of the Civil Engineering Department (Organizations and Companies)

Name of Organization		Country	Validity of Implementation	Nature of Lingkage	MOU link
1	PICE Qatar	Qatar	August 22, 2023-Present	Academic and Research	CSU-PICE QATAR

Despite pandemic challenges, CSU expanded its international partnerships with HEIs by leveraging information and communication technology.

Virtual MOU ceremonies laid the groundwork for global collaboration, followed by MOAs that enabled joint academic and research programs.

These initiatives enhanced student learning and faculty development, reinforcing CSU’s position as a globally engaged institution.



Cagayan State University and Universiti Teknologi MARA, Malaysia, formalized their partnership through a Memorandum of Understanding signed by Dr. Urdujah G. Alvarado and Assoc. Prof. Dr. Zulkifli Mohamed on July 13, 2021 via Zoom.





Mr. Joseph R. Cabalbag, Dr. Emer T. Quezon, and the PICE Qatar Chapter members meet via Zoom for the signing of a Memorandum of Understanding (MOU) with Cagayan State University—under the College of Engineering and Architecture, Civil Engineering Department, CSU Carig Campus



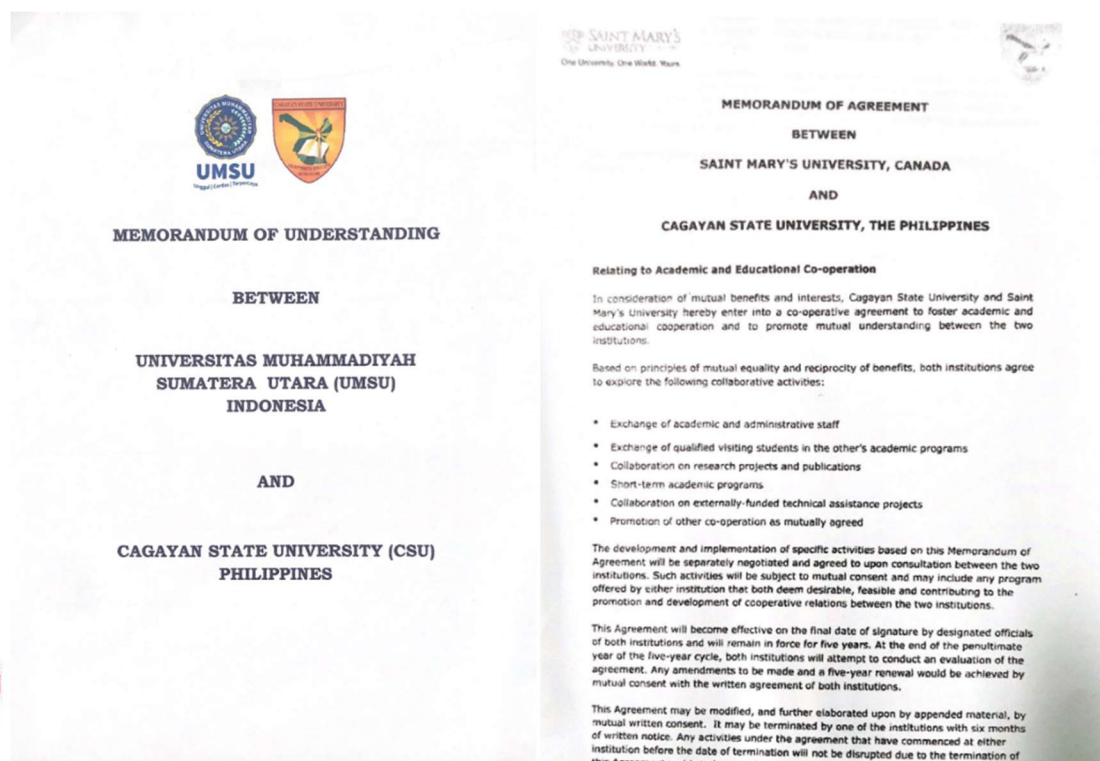
International Linkages of the Civil Engineering Department (Educational Institutions)

	Name of Educational Institutions	Country	Nature of linkage	Validity of Implementation	MOU LINK
1	Yuvakshetra Institute of Management Studies	India	Academic and Research	August 22, 2023- Present	CSU-YIMS
2	Universiti Teknologi Malaysia	Malaysia	Academic and Research	April 17, 2023, to Present	CSU-UTM
3	Universitas Muhammadiyah Sumatra Utara	Indonesia	Academic and Research	November 11, 2021 – November 11, 2024	CSU-UMSU
4	Universiti Teknologi MARA	Malaysia	Academic and Research	July 13, 2021 – Present	CSU-UITM
5	Saint Mary's University	Canada	Academic	2019 to 2024	CSU-SMU

The Civil Engineering Department of CSU-Carig Campus has built academic linkages with five higher educational institutions across Canada, Malaysia, Indonesia, and India.

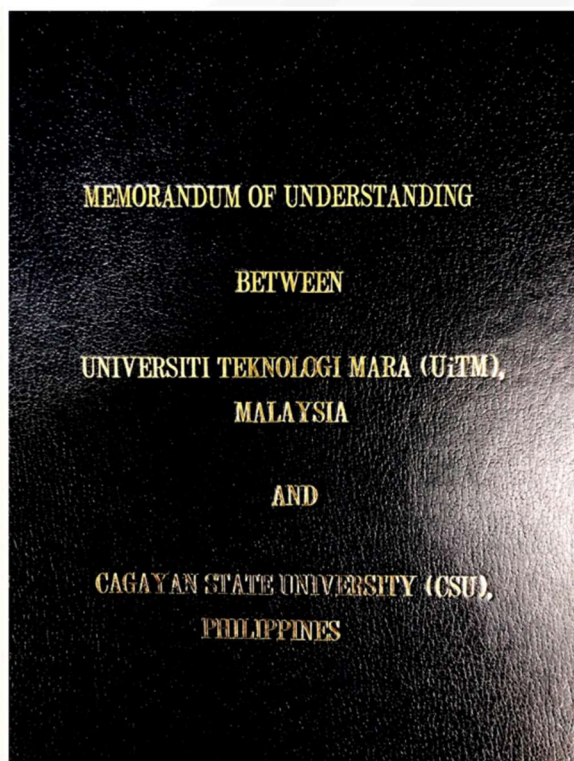
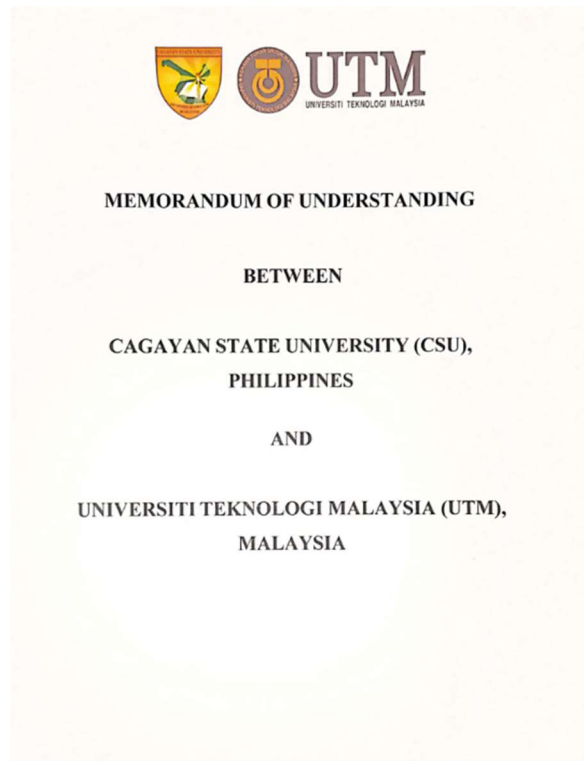
These partnerships—active since 2019—support faculty exchanges, joint research, and curriculum development.

Notable collaborators include Saint Mary's University (Canada) and Universiti Teknologi Malaysia, highlighting CSU's commitment to global academic excellence.



Cagayan State University seals partnerships with Universitas Muhammadiyah Sumatera Utara (UMSU), Indonesia, Saint Mary's University, Canada, to advance academic cooperation and research collaboration.





Cagayan State University seals partnerships with Universiti Teknologi MARA Malaysia, Universiti Teknologi Malaysia, and Yuvakshetra Institute of Management Studies to advance academic cooperation and research collaboration.



Saint Mary's University

Cagayan State University (CSU) and Saint Mary's University (SMU) in Nova Scotia, Canada, formalized a cooperative academic agreement in 2019. This partnership reflects both institutions shared commitment to fostering mutual understanding and global academic collaboration.

Nature of Linkages & MOA Summary

The Memorandum of Agreement (MOA) is grounded in mutual equality and reciprocity. It outlines non-binding cooperation in the following areas:

- Exchange of academic and administrative staff
- Exchange of qualified visiting students
- Joint research projects and publications
- Short-term academic programs
- Collaboration on externally funded technical assistance projects
- Promotion of other mutually agreed initiatives

[Memorandum of Understanding between CSU and SMU](#)

Grants and Funding Support

In 2021, John Carlo Mampusti, a BS Civil Engineering student from CSU-Carig, was selected as one of six scholars for the SMU exchange program. His participation was supported by CSU's Kaagapay Mo initiative and funded through the ASEAN SEED Scholarship by the Canadian government. Each scholar received CAD \$10,200 to cover travel and living expenses.



John Carlo Mampusti at Saint Mary's University for the SMU Faculty Exchange Program





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Activities Conducted

- Participation in a visiting student exchange program at SMU
- Immersion in Canadian engineering education, urban development, and environmental stewardship
- Engagement in academic and cultural exchange
- Exposure to international research and learning environments

Benefits of the Partnership

- Enhanced global exposure for CSU students and faculty
- Strengthened research and academic collaboration
- Elevated institutional reputation and international visibility
- Foundation for CSU's Policy Guidelines for Student Mobility (Resolution No. 1144, s. 2022).

Before and After Internationalization

Before: International mobility was informal and not yet institutionalized. John Carlo's participation in 2021 occurred before the formal approval of CSU's mobility policy.

After: His pioneering experience helped shape CSU's Resolution No. 1144, which now governs inbound and outbound student mobility. This policy has since enabled broader academic exchanges across ASEAN, Canada, the USA, and Europe.



Universiti Teknologi MARA Malaysia

The MoU between Cagayan State University (CSU) – Carig Campus and Universiti Teknologi MARA (UiTM) Malaysia formalizes a strategic academic partnership aimed at fostering global collaboration in research, education, and faculty development. It serves as a framework for academic mobility, joint initiatives, and mutual capacity-building. These institutions share a commitment to academic excellence, cultural exchange, and regional cooperation within ASEAN.

Nature of Linkages & MOA Summary

The Memorandum of Agreement (MOA) is grounded in mutual equality and reciprocity. It outlines non-binding cooperation in the following areas:

- Faculty Development: Study leave and scholarships for CSU faculty to pursue graduate studies abroad.
- Student Mobility: Exchange programs and cultural immersion activities.
- Collaborative Research: Joint academic projects and knowledge-sharing.
- Institutional Promotion: Visibility within ASEAN through faculty and student representation.

Grants and Funding Support

CSU funded PhP 250,000 for Engr. Anderson G. Gonzales's full scholarship to pursue his Master of Science in Construction Engineering at UiTM (March 2024–February 2026).

CSU–Carig Campus provided ₱10,000.00 each to students Sheena Baligod and Jay Anne Navarro for their cultural exchange participation in Malaysia (October 2025).

The MoU states that each institution shoulders its own costs, unless mutually agreed otherwise.

[Memorandum of Agreement between CSU-UiTM](#)

Activities Conducted

UiTM Summer Exchange Program (July 7, 2024)

- Participants: Engr. Arlene C. Patricio, 4 faculty members, 16 students
- Activities: Schooling, cultural tours, cross-cultural learning



Engr. Patricio heads to Malaysia for UTM Faculty Exchange Program



Study Leave and Scholarship

- Recipient: Engr. Anderson G. Gonzales
- Duration: March 2024–February 2026
- Program: MS in Construction Engineering at UiTM



Field visit at TReX Exchange Building, the 2nd tallest building in Malaysia



Dr. Anderson awarded with Faculty Post-Graduate Award



UiTM Delegation Visit to CSU (September 19, 2024)

- Highlights: Tree-planting ceremony, cultural exchange, remarks by Engr. Roger P. Rumpon
- Participants: CSU engineering students including Ms. Sheena Baligod

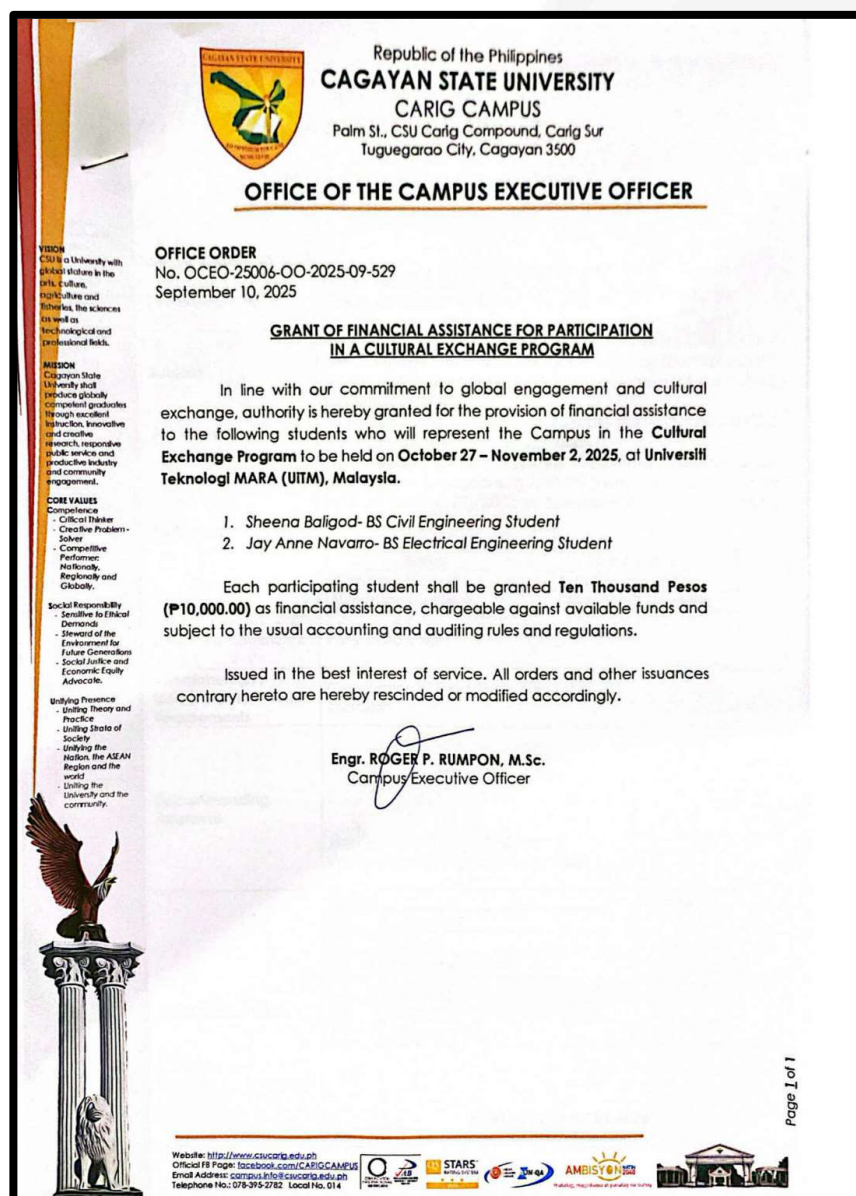


CSU and UiTM students unite in a vibrant celebration of culture, friendship, and shared purpose.



Cultural Exchange Program in Malaysia (October 27–November 2, 2025)

- CSU Representatives: Sheena Baligod (BSCE), Jay Anne Navarro (BSEE)
- Activities: Unity game development, traditional dance workshops



Before and After Internationalization

Before: CSU's international engagement was limited to sporadic participation in conferences and regional linkages. Faculty and students had fewer opportunities for global exposure.

After: With the UiTM partnership, CSU now actively sends and receives scholars, integrates global best practices into its curriculum, and builds lasting networks across Southeast Asia. Students and faculty alike are more culturally aware, globally competent, and academically enriched.

The CSU–UiTM MoU is more than a document—it's a gateway to transformation. Through scholarships, exchanges, and joint activities, CSU has elevated its role as a regional hub for global engagement. The partnership continues to shape future-ready scholars and educators, proving that internationalization is not just a goal—it's a lived experience.



Universiti Teknologi Malaysia

Cagayan State University (CSU) and Universiti Teknologi Malaysia (UTM) have formalized their shared commitment to advancing educational, research, and social service exchanges. This partnership aims to strengthen institutional ties and prioritize collaborative efforts grounded in mutual interests and advantages.

The Memorandum of Agreement outlines a flexible and forward-looking framework for cooperation. It covers:

- Education and research initiatives
- Staff training and development
- Exchange of lecturers and students
- Sharing of scholarly materials and information

Both parties agree to explore additional areas of collaboration as opportunities arise, with designated coordinators managing joint activities. These institutions bring complementary strengths in technological education, research, and global engagement.

Nature of Linkages and MOA Summary

The partnership promotes:

- Curriculum development
- Joint research projects
- Postgraduate study opportunities
- Study tours and academic events
- Student exchanges for coursework and research

These linkages foster interdisciplinary collaboration and global academic exposure.

Grants and Funding Sources

Funding arrangements are negotiated per activity to ensure fairness and mutual benefit.

Support may include costs for training, staff attachments, and student mobility programs.

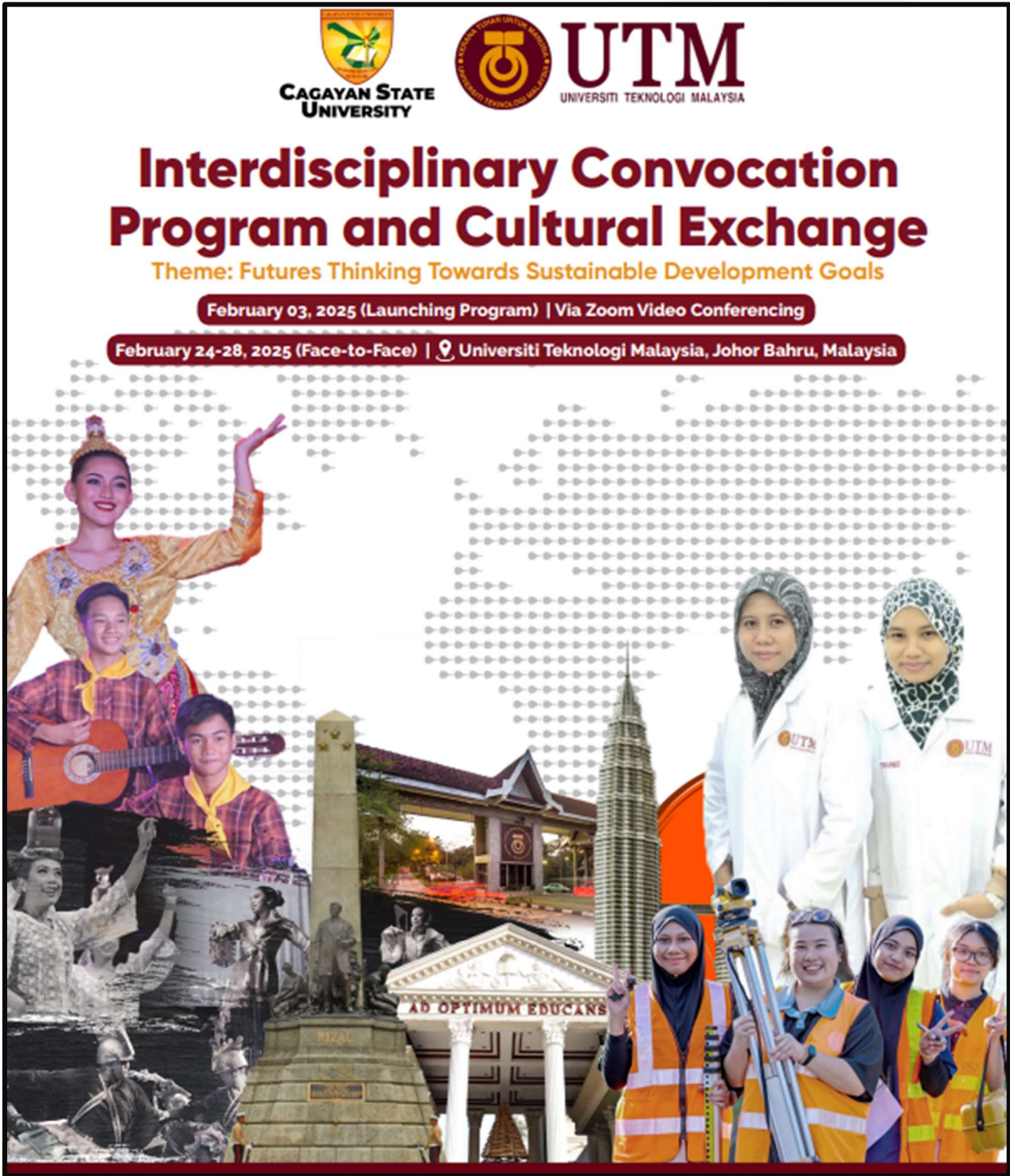
[Memorandum of Understanding of CSU and UTM](#)

Activities Conducted

Interdisciplinary Convocation Program and Cultural Exchange

- Held on February 3, 2025
- Organized by CSU's Office of the Vice President for Internationalization, Partnership, and Resource Mobilization (IPRM)
- Themed "Futures Thinking Towards Sustainable Development Goals"
- Plenary sessions on all 17 SDGs
- Breakout sessions in engineering, technology, computing, humanities, agriculture, education, environment, and law
- Dr. Emer Quezon discussed solid waste issues in the Philippines (SDG 9 & 12)
- Engr. Angelica Coballes and Engr. Ralph Angelo Estiller served as moderators



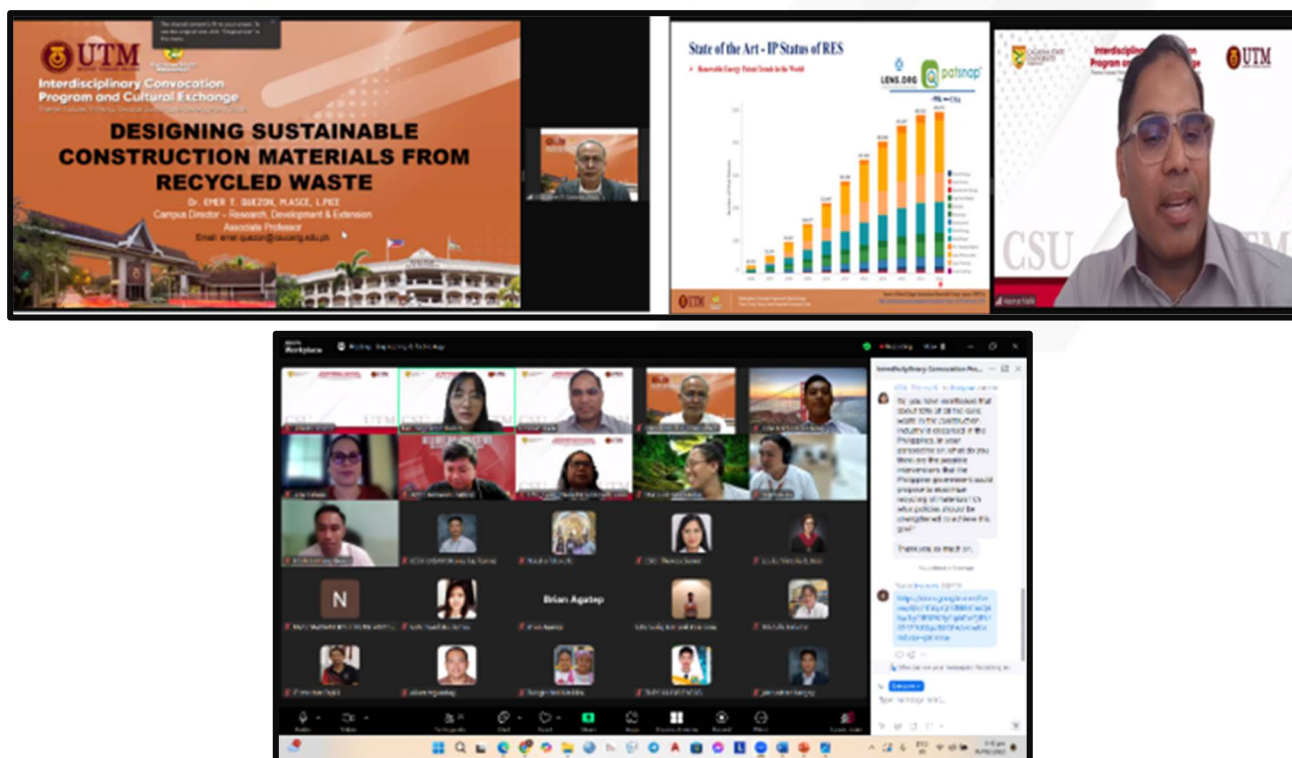


Breakout sessions (PM)	
Breakout session 1 (On Engineering and Technology) Session Moderator/Facilitator: Engr Ralph Estiller	
Lecture 1 - From Gasoline to Electric: Comparative Study between Conventional Tricycle to Converted Electric Tricycle Engr. Ian C. Pagulayan Faculty, College of Engineering CSU-Carig	Lecture 2 - IoT-Based Solutions for Sustainable Urban Mobility and Traffic Management Assoc. Prof. Ir. Dr. Sitti Asmah Hassan Senior lecturer, Faculty of Civil Engineering, UTM sasmah@utm.my
Breakout session 2 (On Computing Sciences and IT) Session Moderator/Facilitator: Ms. Charmaine Masuli	
Lecture 1 - Green Computing: Reducing Carbon Emissions in Data Centers through Sustainable Practices Dr. Kristoffer C. Mangussad Faculty, College of Information and Computing Sciences, CSU-Carig	Lecture 2 - AI for Climate Prediction: Enhancing Accuracy in Forecasting Climate Changes Sr. Dr. Shahabuddin Amerudin Senior lecturer, Faculty of Build Environment and Surveying, UTM shahabuddin@utm.my

Breakout sessions (1:30PM)	
Breakout session 1 (On Engineering and Technology) Session Moderator/Facilitator: Engr. Angelica D. Coballes	
Lecture 1- Designing Sustainable Construction Materials from Recycled Waste Engr. Emer T. Quezon Director, Research and Development, Extension, CSU- Carig	Lecture 2 - Intelligent Data Analytics for Renewable Energy Sources Dr. Hasmat Malik Senior Lecturer, Faculty of Electrical Engineering, UTM hasmat@utm.my
Breakout session 2 (On Computing Sciences and IT) Session Moderator/Facilitator: Ms. Charmaine Masuli	
Lecture 1 - Smart Grid Technologies and IoT: Optimizing Energy Consumption for Sustainability Engr. Fernando Jaminola Faculty, College of Computing and Information Sciences, CSU-Carig	Lecture 2 - Bridging the Digital Divide: Expanding Access to Educational Technologies in Developing Countries Dr. Nurzal Effiyana Ghazali Director, Centre for Engineering Education (CEE) UTM nurzal@utm.my

Program flow of the Interdisciplinary Convocation Program and Cultural Exchange





Dr. Sitti Hassan on the talk about Designing Sustainable Construction Materials from Recycled Waste

Before and After Internationalization

Before: CSU's global engagements were limited and largely reactive, with minimal faculty and student exposure to international standards.

After: CSU now leads proactive academic diplomacy. Faculty co-author global research, students engage in international forums, and the College of Engineering and Architecture is recognized for its interdisciplinary contributions to sustainability and innovation.

This MOA is a living testament to CSU's global ambition. It transforms institutional vision into action—empowering faculty, students, and partners to co-create a future aligned with the Sustainable Development Goals. Through this partnership, CSU continues to elevate its role as a globally competitive university.



Universitas Muhammadiyah Sumatra Utara

Cagayan State University (CSU) and its international partners recognize the importance of fostering strong, equitable relationships. Through this Memorandum of Understanding (MoU), they commit to strengthening cooperation based on mutual benefit, shared goals, and respect for national laws and institutional policies.

The MoU outlines a flexible and inclusive framework for collaboration, covering:

- Development of collaborative research projects
- Organization of joint academic and scientific activities
- Exchange of publications, reports, and scholarly materials
- Launching of other mutually beneficial initiatives

All activities are subject to legally binding agreements with terms mutually agreed upon by both parties. Participation remains voluntary, with each institution retaining discretion over program implementation.

Nature of Linkages and MOA Summary

The partnership supports:

- Joint lectures and academic exchanges
- Faculty development and training
- Research collaboration and publication
- Cultural immersion and youth leadership programs

These linkages promote interdisciplinary dialogue and global academic engagement.

Grants and Funding Sources

- The MoU does not create financial obligations for either party.
- Each institution bears its own costs and expenses.
- This ensures that cooperation remains voluntary, self-funded, and grounded in mutual respect.

[Memorandum of Understanding of CSU and University Muhammadiyah Sumatra Utara](#)

Activities Conducted

Youth Futures Exchange Program

- August 14, 2024
- Claude Andrews Convention Center, CSU
- Welcoming remarks by Dr. Arthur G. Ibañez, Officer-in-Charge, Office of the University President
- Theme: “Intergenerational Fairness and Sustainability”
- Topics: e-marketing, internationalization, research publication, sustainable tourism, youth leadership
- Participants from Universitas Warmadewa (Indonesia), Universiti Teknologi MARA (Malaysia), Universitas Muhammadiyah Sumatra Utara (Indonesia)



Training on Value Innovation in Engineering

- August 15, 2024
- Claude Andrews Convention Center, CSU
- CSU Civil Engineering faculty actively engaged
- Moderator: Engr. Jowell John Talosig
- Participants from Universiti Teknologi MARA and Warmadewa University



Signing of Memorandum of Agreement between

 LECTURES FOR ENGINEERING CREATING PATHWAYS TO RESEARCH COLLABORATION AND PUBLICATION TOWARDS INTERNATIONALIZATION CSU- Claude Andrews Convention Center August 15, 2024 8:00 AM - 5:00 PM	
PROGRAMME	
Opening Ceremony National Anthem	Indonesia Malaysia Philippines AVP
Opening Remarks	ENGR. ROGER P. RUMPON, MS Campus Executive Officer Cagayan State University- Carig Campus Philippines
Rationale of the Activity	ENGR. JOHN MICHAEL B. CASIBANG, MST, MSCE University Dean College of Engineering and Architecture Cagayan State University- Carig Campus Philippines
Introduction to the Resource Speaker	ENGR. JOWELL JOHN B. TALOSIG Department chair, Civil Engineering College of Engineering and Architecture Cagayan State University- Carig Campus Philippines
Hydrogen and Biofuel Technologies for a Sustainable Future	PROF. DR. WAN AHMAD NAJMI WAN MOHAMED Professor School of Mechanical Engineering Universiti Teknologi MARA Malaysia
Q&A Awarding of Certificate and Token	
Round Table Session	
ENGR. ARLENE C. PATRICIO <i>Moderator</i>	



*Faculty of the Civil Engineering Department attending Youth Futures Exchange
Program & Lecture Series*



Public Lecture on Smart Cities

- September 8, 2025
- Hosted virtually by UMSU Faculty of Engineering Auditorium, Medan, Indonesia
- Speaker: Engr. Ralph Angelo B. Estiller, CSU Civil Engineering Department
- Topics: smart mobility systems, green infrastructure, policy frameworks for livable cities
- Regional collaboration with Universiti Malaysia Pahang (UMP) and Universiti Teknologi Brunei (UTB)
- Invitation signed by Dr. Munawar Alfansury Siregar, Dean of UMSU Faculty of Engineering



Engr. Ralph Angelo B. Estiller served as a virtual speaker in an international lecture from Medan, Indonesia, on collaborative learning in engineering and sustainability.

Impact and Institutional Growth

These engagements exemplify how the MoU fosters:

- International academic cooperation
- Professional development
- Cross-cultural exchange
- Sustainable development advocacy

They also affirm CSU's role as a thought leader in engineering education and a proactive contributor to regional conversations on innovation and sustainability.

Through initiatives like these, CSU continues to elevate its global presence—empowering faculty, enriching student experiences, and reinforcing its mission to lead with innovation, relevance, and global impact.



Yuvakshetra Institute of Management Studies

Cagayan State University (CSU), represented by Dr. Urdujah G. Alvarado, and Yuvakshetra Institute of Management Studies (YIMS), represented by Adv. Dr. Tomy Antony, have formalized a strategic partnership to enhance academic and research collaboration.

This MoU reflects a shared mission to produce globally competitive graduates through excellent instruction, research, and meaningful academic exchanges.

Nature of Linkages and MOA Summary

The MoU outlines a broad and flexible framework for collaboration, including:

- Education and research partnerships
- Faculty and student training
- Exchange of academicians
- Faculty and student mobility programs
- Sharing of scholarly materials
- Invitations to academic conferences and fora

Additional activities may be included as long as they support the MoU's objectives.

Both institutions commit to:

- Appointing focal persons to manage roles and facilitate communication
- Prioritizing each other in the promotion and development of initiatives
- Collaborating especially in postgraduate course lectures

Funding arrangements will be outlined in separate written agreements, ensuring transparency and mutual consent.

[Memorandum of Understanding of CSU-Yuvakshetra](#)

Activities Conducted

International Convocation on Applied Sciences and Technology (ICAST)

- Duration: December 2024 to May 2025
- Theme: "Innovation Through Collaboration: Strengthening Academic-Industry Partnerships"
- Organized by CSU, YIMS (India), and SingSoft Solutions (Singapore)
- Launch: Virtual via Zoom (December 12–13, 2024)
- Culmination: On-site event at CSU (May 2025)

Lecture Series: May 27–28, 2025

- Moderators: Engr. Leomar Juliano and Engr. Jowell John Talosig (CSU Civil Engineering Department)
- Focus: "Incorporating Soft Skills into Technical Education"
- Participants: Researchers, educators, industry leaders, and students





BACHELOR OF SCIENCE IN CIVIL ENGINEERING 4TH SURVEY VISIT

This initiative exemplifies how the MoU translates into concrete academic cooperation and meaningful cross-border engagement.

The CSU–YIMS partnership is a model of international academic diplomacy. It empowers faculty, enriches student experiences, and strengthens CSU's global presence through innovation, collaboration, and shared academic leadership.



PROGRAM FLOW																				
DAY 2 (AM-PM) MARCH 28, 2025																				
08:00 AM - 08:30 AM (PST) 09:30 AM - 05:00 AM (ST)																				
Preliminaries	AVP																			
Recapitulation of Day 1	PROF. WENDY Q. MAPE, MST Faculty, CSU-Carg																			
PLENARY SESSION																				
08:31 AM - 09:20 AM (PST) 09:20 AM - 07:50 AM (ST)	DR. GENERINO P. SIDDAYAO CICS University Dean, CSU																			
Introduction to the Resource Speaker	MR. MARIANO A. CORSINO JR. Operational Technology Cybersecurity Engineer Chevron																			
STRATEGIC CYBER THREAT LANDSCAPE OVERVIEW - ANALYSIS OF THE CURRENT CYBERSECURITY THREATS	Open Forum Photo Opportunity																			
09:31 AM - 04:45 PM (PST) 07:50 AM - 02:15 PM (ST)																				
BREAK-OUT SESSIONS PRESENTATION OF THE CONCEPT RESEARCH																				
<table><tr><td colspan="2">DR. GILBERT C. MAGLULO DR. EMER T. BUSTON DR. MARY LANE C. CALAGUI</td></tr><tr><td>Evaluating</td><td>GROUP 3</td></tr><tr><td>GROUP 1</td><td>GROUP 2</td></tr><tr><td>INFORMATION TECHNOLOGY</td><td>ENGINEERING</td></tr><tr><td>GROUP 3</td><td>INDUSTRIAL TECHNOLOGY</td></tr><tr><td>PROF. SHERWIN M. CAACBAY, MIT Moderator</td><td>PROF. ENGR. LEONAR D. JULIANO Moderator</td><td>DR. FILGINA C. DALUAG Moderator</td></tr><tr><td>PROF. MA. MARICRIS SEMILLA Documentation</td><td>ENGR. MELOWIN M. PERA Documentation</td><td>PROF. JULIET P. PELOVELLO Documentation</td></tr><tr><td>PROF. GABBY JOHN J. REYES Technical Facilitator</td><td>ENGR. GILBERT T. CALUBAGUIB Technical Facilitator</td><td>PROF. VIRGIL VAUGHN J. PIDO Technical Facilitator</td></tr></table>		DR. GILBERT C. MAGLULO DR. EMER T. BUSTON DR. MARY LANE C. CALAGUI		Evaluating	GROUP 3	GROUP 1	GROUP 2	INFORMATION TECHNOLOGY	ENGINEERING	GROUP 3	INDUSTRIAL TECHNOLOGY	PROF. SHERWIN M. CAACBAY, MIT Moderator	PROF. ENGR. LEONAR D. JULIANO Moderator	DR. FILGINA C. DALUAG Moderator	PROF. MA. MARICRIS SEMILLA Documentation	ENGR. MELOWIN M. PERA Documentation	PROF. JULIET P. PELOVELLO Documentation	PROF. GABBY JOHN J. REYES Technical Facilitator	ENGR. GILBERT T. CALUBAGUIB Technical Facilitator	PROF. VIRGIL VAUGHN J. PIDO Technical Facilitator
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04:45 PM - 05:00 PM (PST) 02:15 PM - 02:30 PM (ST)																				
WRAP-UP SESSION AND WAY FORWARD																				
WEEK 1 to WEEK 5 (April): Research Project and Mentoring																				
The Asynchronous Research Project and Mentoring session enables participants to work on research activities at their own pace with expert guidance. Through self-paced materials, participants identify and refine research topics, access modules on methodologies, and complete independent tasks. Mentors provide feedback on progress, and the program concludes with the submission of a final output and a self-assessment, ensuring flexibility while maintaining a structured approach to learning and project completion.																				
PROF. KIMBERLY A. VILLAN, RL Host																				

PROGRAM FLOW		MARCH 4 & 5
DAY 1 (PM) MARCH 27, 2025		
PLENARY SESSIONS		
1:01 PM - 2:30 PM (PST) 10:31 AM - 12:00 PM (ST) Introduction to the Resource Speaker	DR. MARY ROSE F. ESTEBAN CICS Extension Coordinator, CSU-Carg	
MACHINE LEARNING FOR CYBERSECURITY	MR. WILSON CHUA Chair and Chief Executive Officer Bitstop Network Services	
	Open Forum Photo Opportunity	
2:31 PM - 04:00 PM (PST) 12:11 PM - 01:30 PM (ST) Introduction to the Resource Speaker	PROF. EMER A. LAÑOJAN, MIT CICS Technical and Vocational Education and Training Coordinator, CSU-Carg	
	DR. FLORENTINA S. DUMLAO University Technical Consultant, CSU	
	Open Forum Photo Opportunity	
BREAK-OUT SESSIONS		
08:01 PM - 04:05 PM (PST) 01:31 PM - 02:15 PM (ST)		
ROOM 1 INFORMATION TECHNOLOGY	ROOM 2 ENGINEERING	ROOM 3 INDUSTRIAL TECHNOLOGY
Preparing Graduates for IT Job Market Demands	Incorporating Soft Skills into Technical Education	International Trends in Industrial Design and Technology
DR. EDISON D. BRAYO Campus Registrar, CSU-Carg Resource Speaker	ENGR. OLIVER J. DOCTOLERO, ME-GE Chairman, Graduate Engineering Department, CSU-Carg Resource Speaker	DR. PAUL A. CORTIA Faculty, CSU-Sandwich Mira Resource Speaker
PROF. ESMER C. BARICAUA, MIT Moderator	ENGR. JOWELL JOHN B. TALOSIG Moderator	DR. FILGINA C. DALUAG Moderator
PROF. YSSANDREA KNERRE Z. DEL CASTILLO, MIT Documentation	ENGR. NICO RODRIGUEZ Documentation	PROF. JULIET P. PELOVELLO Documentation
PROF. GABBY JOHN J. REYES Technical Facilitator	ENGR. GILBERT T. CALUBAGUIB Technical Facilitator	PROF. VIRGIL VAUGHN J. PIDO Technical Facilitator
04:06 PM - 05:00 PM (PST) 02:16 PM - 02:30 PM (ST)	Sharing of Insights Wrap Up Session Photo Opportunity	
PROF. CHARMARINE C. MASULI, MLIS Host		



International Convocation on Applied Science and Technology program and opening session



International Linkages of the Civil Engineering Department (Organizations and Companies)

Name of Organization	Country	Validity of Implementation
1 PICE Qatar	Qatar	August 22, 2023- Present

Cagayan State University–College of Engineering and Architecture (CSU–COEA) and the Philippine Institute of Civil Engineers–Qatar Chapter (PICE–Qatar) formalized their partnership through a Memorandum of Understanding (MoU) on September 12, 2025. The hybrid signing ceremony marked a milestone in CSU’s internationalization journey. CSU was represented by Dr. Arthur G. Ibañez, while Engr. Mario S. Oligo signed on behalf of PICE–Qatar.



Cagayan State University and PICE – Qatar Chapter MOA signing

Nature of Linkages and MOA Summary

The MoU outlines a wide range of cooperative initiatives. These include joint research, faculty and student exchanges, international conferences, and virtual or in-person internships. It also supports CSU’s resource mobilization through programs like Global Ambassadors and Adopt-a-CSU-Student.

This partnership strengthens CSU’s academic and professional networks. It connects students and faculty with Filipino engineers abroad, fostering pride and global engagement. It also opens pathways for CSU graduates to thrive in international engineering arenas.



Activities Conducted

Even before the MoU was signed, the partnership had already delivered tangible benefits. In 2021, PICE–Qatar awarded a scholarship to Ruel Semania, a third-year BSCE student, totaling QAR 12,111.11 (approx. Php 151,000.00). The scholarship covered tuition, academic needs, and board exam review expenses, with eligibility based on GPA and moral character.

PICE–Qatar Civil Engineering Student Scholarship Program

- October 22, 2021
- CSU Carig Campus
- Recipient: Ruel Semania
- Coverage: Tuition, academic needs, board exam review
- Attendees: PICE–Qatar Executive Committee, CSU faculty, Semania's parents



Ruel P. Semania qualifying for the PICE-Qatar Chapter CE Scholarship Program



PICE Qatar Mentoring and Internship for Students (PMIS) Program

- August 15–16, 2025
- Conducted online
- Target: BSCE students undergoing OJT
- Content: Mentorship sessions, professional presentations
- Certificates issued to students and faculty



Engr. John Michael B. Casibang, University Dean of the College of Engineering and Architecture and a Faculty member of Civil Engineering Department at Cagayan State University, served as the Keynote Speaker





BACHELOR OF SCIENCE IN CIVIL ENGINEERING 4TH SURVEY VISIT

Before and After Internationalization

Before: CSU's global engagements were limited, with few structured opportunities for students and faculty. International exposure was minimal, and partnerships lacked continuity. Students had little access to global mentorship or career pathways.

After: CSU now leads with strategic collaborations that deliver real-world impact. Students gain international experience, faculty expand their networks, and the university builds global credibility. Programs like PMIS and the scholarship initiative show how internationalization transforms lives.

The CSU–PICE Qatar partnership exemplifies how strategic linkages can turn academic vision into reality. It empowers students, elevates faculty, and reinforces CSU's mission to lead with innovation and global relevance. Through this MoU, CSU continues to champion internationalization as a pathway to excellence.



Best Practices

Active forging of international MOUs and partnerships (since 2019 we were able to forge and sustain partnerships with 20 Foreign Higher Education Institutions and 4 international organizations, but this is still increasing in number considering the pending partnership assessment with CHED)

Alignment with global frameworks and rankings (improvement in the rankings).

benchmarking and capacity building of faculty and staff (to better understand IZN).

Conclusion

Cagayan State University's internationalization efforts have evolved into a robust framework of global academic engagement. The College of Engineering and Architecture plays a central role in forging strategic partnerships across Canada, Qatar, Malaysia, Indonesia, India, and beyond. These linkages enable CSU to transcend geographic boundaries and access collaborative research, faculty mobility, student exchanges, and intercultural learning.

Each signed agreement is more than symbolic—it serves as a functional bridge to global standards and innovations. These partnerships connect CSU's academic community to international practices and elevate its institutional relevance. They also reinforce CSU's proactive stance in the global education landscape.

The impact of these partnerships is evident in the opportunities they create. Students benefit from scholarships, internships, and exchange programs that broaden their academic and professional horizons. Faculty members engage in joint research and international conferences, enriching their expertise and CSU's scholarly footprint.

Programs like the PICE–Qatar Civil Engineering Student Scholarship show how partnerships uplift lives. Even before formal agreements, CSU students received financial support for tuition and board exam preparation. These outcomes reflect CSU's commitment to inclusive excellence and global relevance.

International linkages have enhanced CSU's curriculum development and interdisciplinary approaches. They foster a culture of innovation and adaptability across departments and programs. Resource mobilization initiatives like the Global Ambassadors Program and Adopt-a-CSU-Student thrive through international support.

These partnerships reinforce CSU's reputation as a university that values diversity, collaboration, and forward-thinking leadership. They position CSU as a dynamic institution capable of responding to global challenges. They also attract new opportunities for academic diplomacy and strategic growth.

CSU's internationalization journey is not just about expanding reach—it's about deepening impact. By aligning global partnerships with its academic mission, CSU ensures meaningful contributions to student success and faculty development. These linkages serve as catalysts for transformation, preparing graduates to lead in both local and international arenas.