



CAGAYAN STATE
UNIVERSITY

COLLEGE OF ENGINEERING AND ARCHITECTURE ANNUAL ACCOMPLISHMENT REPORT: 2024

ENGR. JOHN MICHAEL B. CASIBANG, MST, MSCE

University Dean



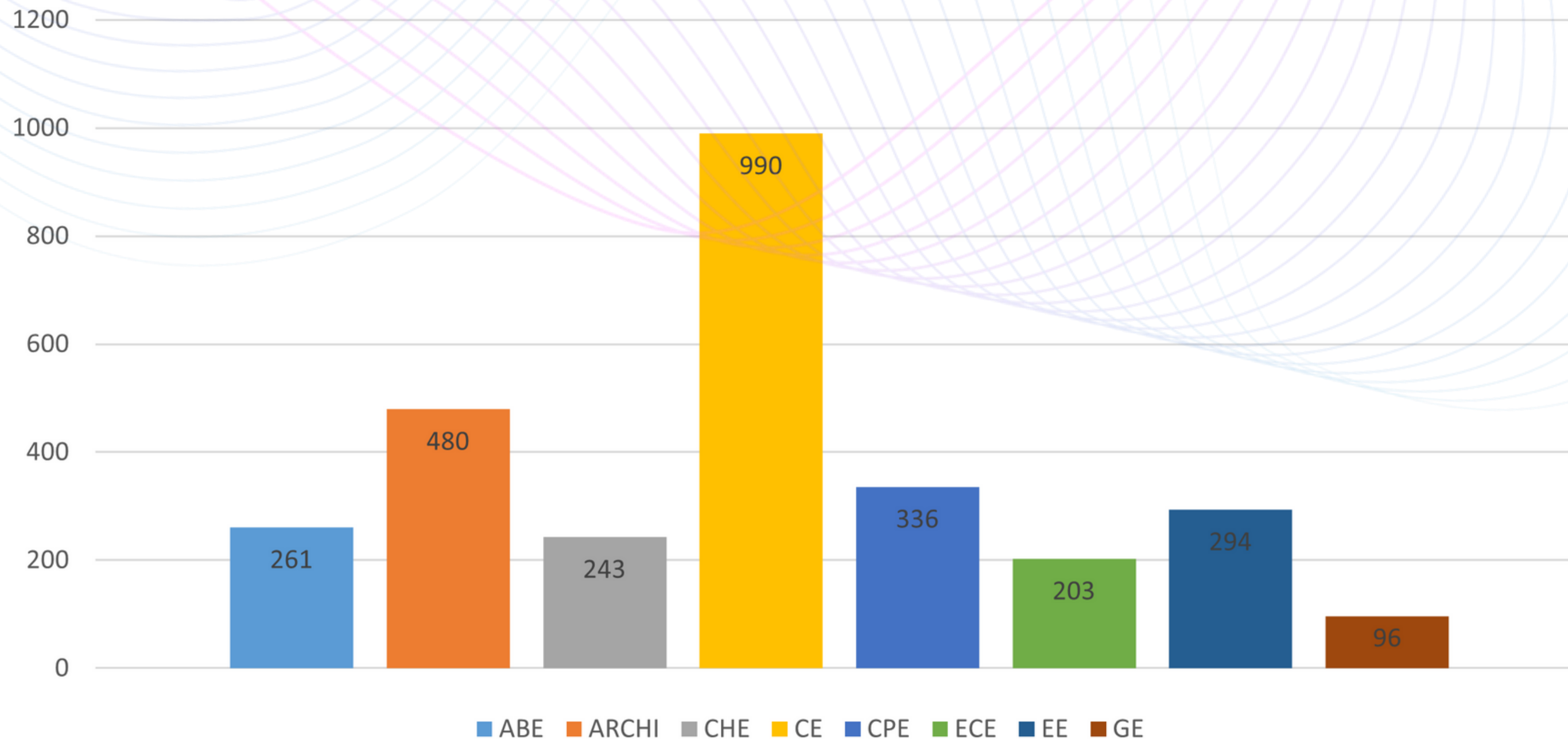


KRA 1: ACCESS AND EQUITY



Cagayan State University
COLLEGE OF ENGINEERING AND ARCHITECTURE
Accomplishment Report 2024





TOTAL NUMBER
SECOND SEMESTER | S.Y 2023-2024
2,852

TOTAL NUMBER
FIRST SEMESTER | S.Y 2024-2025
2,903

55.00% TARGET INDICATORS
90.67% ACTUAL ACCOMPLISHMENT

**Percentage of Disadvantage
Students Enrolled in the Institution
Over Total Student Population**

98-101% TARGET INDICATORS
95.05%
96.77% ACTUAL ACCOMPLISHMENT

**Percentage of Total Enrollment
Over Carrying Capacity Within
the Evaluation Period**





KRA 2: **QUALITY AND RELEVANCE** **OF INSTRUCTION**



RQAT & OPSD EVALUATION

COLLEGE OF ENGINEERING AND ARCHITECTURE

DECEMBER 11-12, 2024



Bachelor of Science in Architecture



Bachelor of Science in Agricultural and Biosystems Engineering



Bachelor of Science in Geodetic Engineering

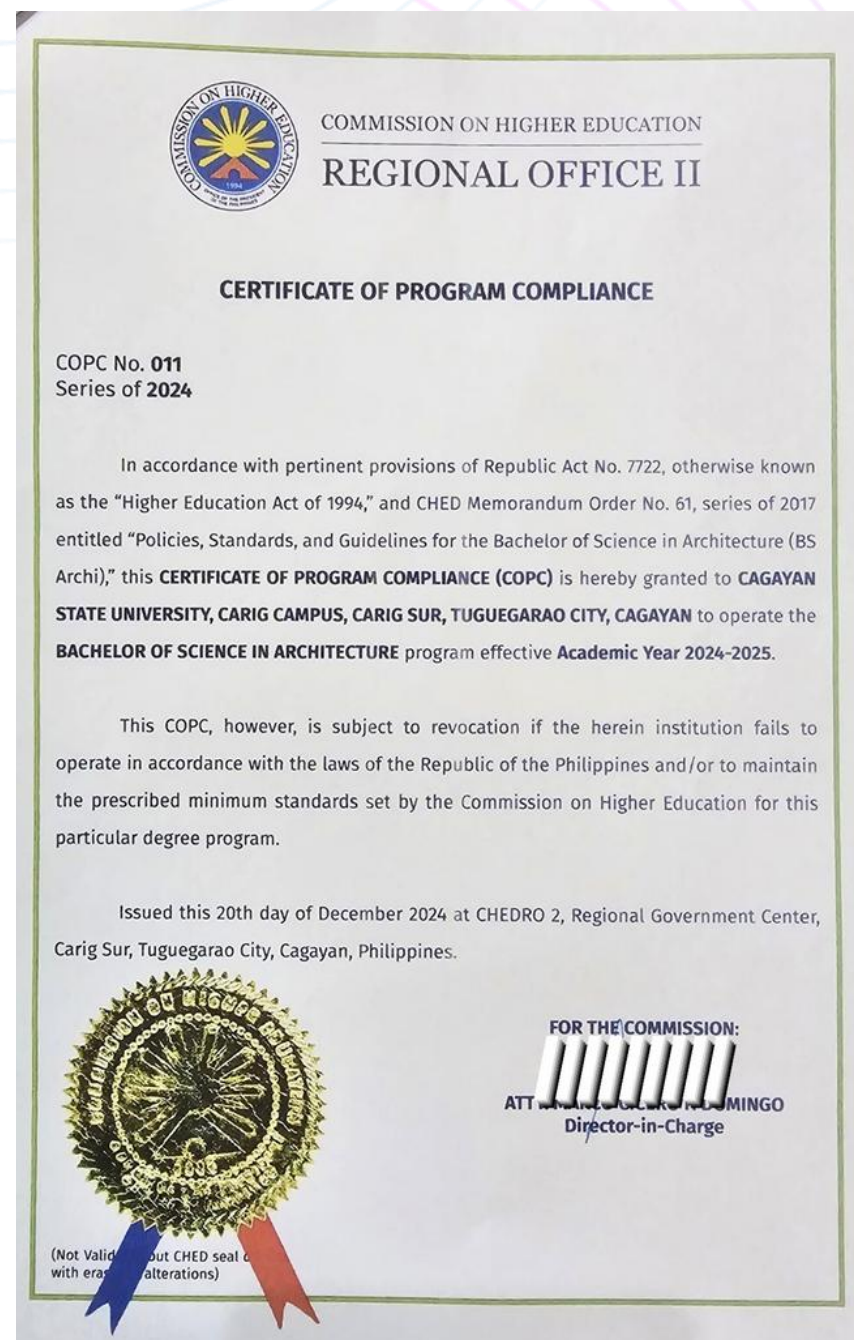


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100% TARGET INDICATORS
100% ACTUAL ACCOMPLISHMENT

COMPLIANCE WITH THE CHED MINIMUM STANDARDS FOR ACADEMIC PROGRAM (PROGRAM OFFERINGS WITH COPC)



BS ARCHITECTURE



BS AGRICULTURAL AND BIOSYSTEMS ENGINEERING



BS GEODETIC ENGINEERING

3 AACCUP LEVEL 3 PROGRAMS

TARGET
INDICATORS

3 AACCUP LEVEL 3 PROGRAMS

ACTUAL
ACCOMPLISHMENT

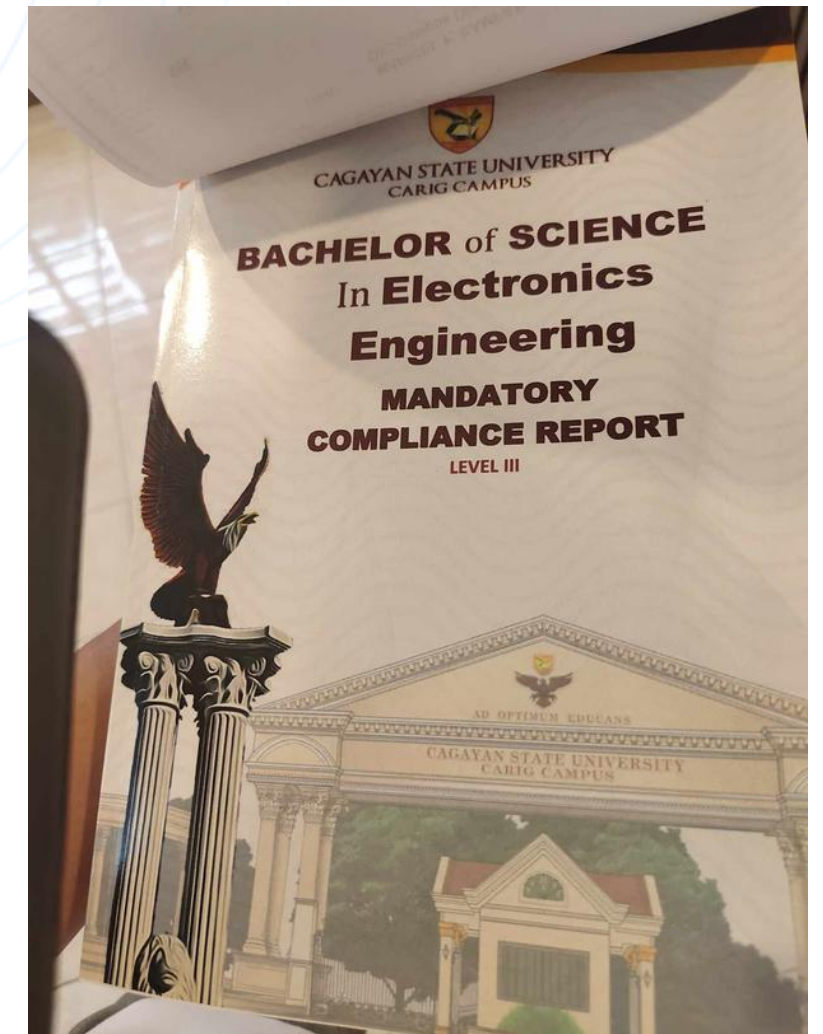
CHED RECOGNIZED PRIVATE ACCREDITATIONS (AACCUP) NUMBER OF PROGRAMS WITH LEVEL 3 ACCREDITATION



BS CHEMICAL ENGINEERING

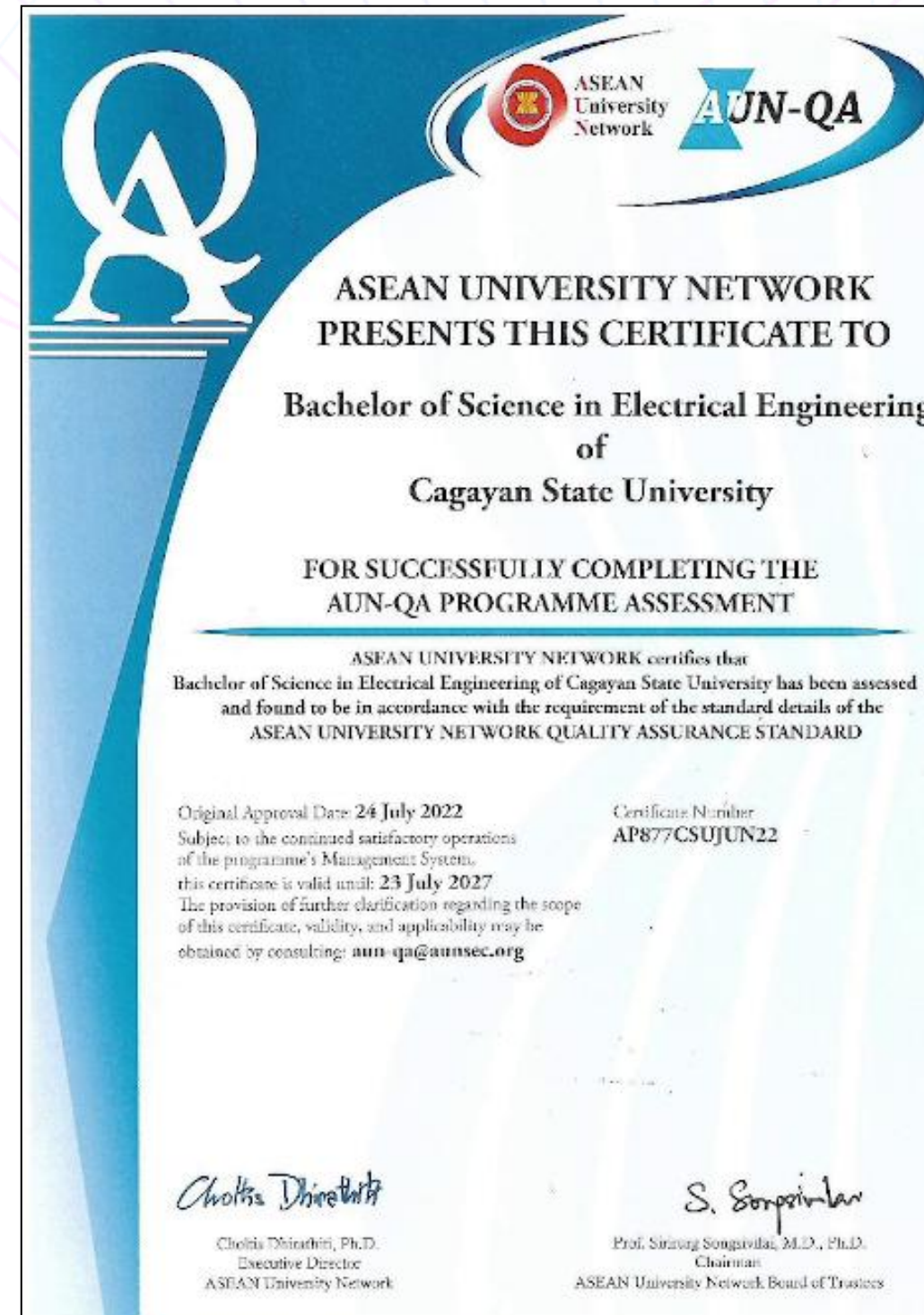
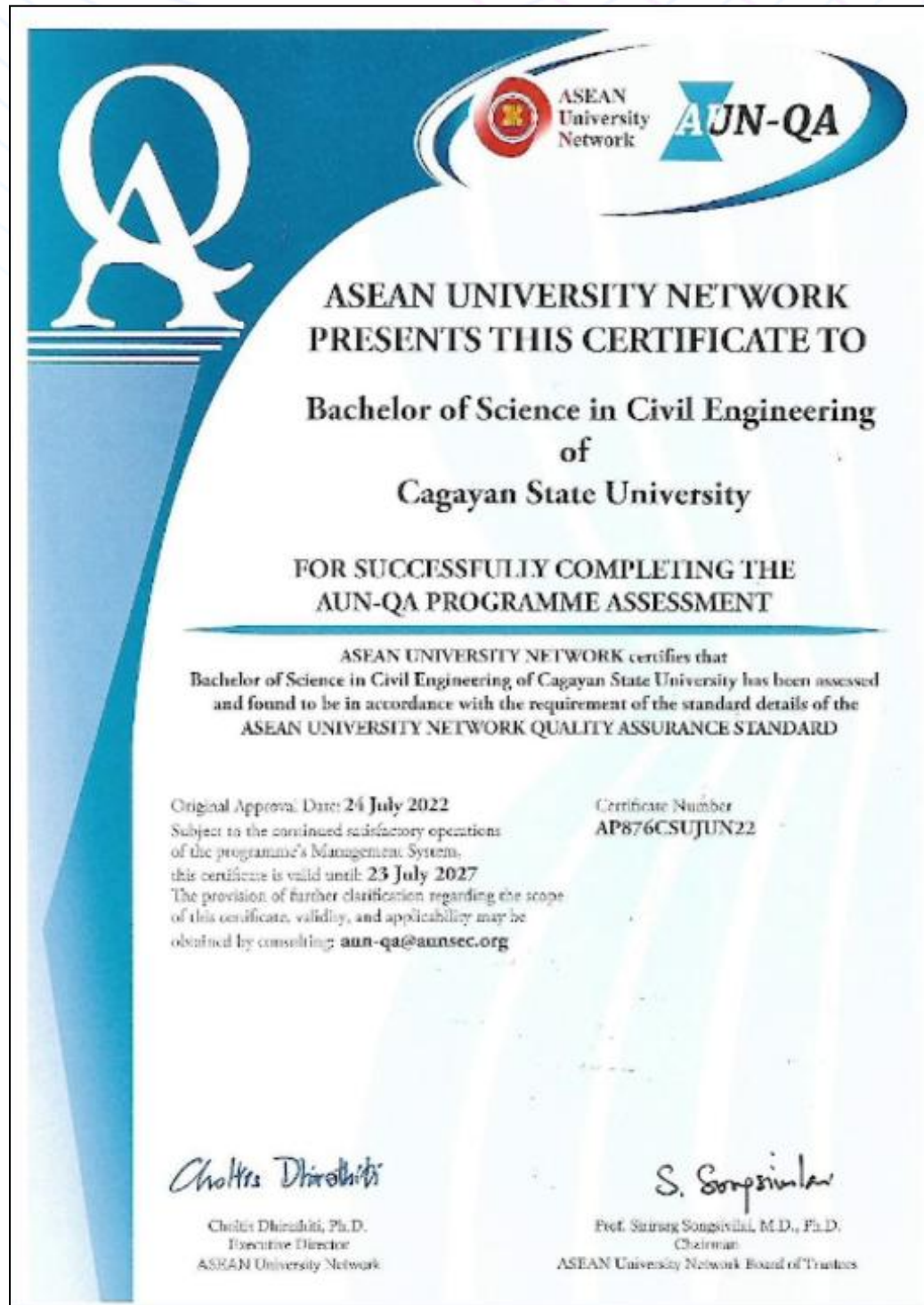


BS COMPUTER ENGINEERING



BS ELECTRONICS ENGINEERING





SUSTAIN 2 PROGRAMS **TARGET INDICATORS**
SUSTAINED **ACTUAL ACCOMPLISHMENT**

**International Program Certification
(AUN-QA) Number of academic programs with
International Program certification**



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COLLEGE OF ENGINEERING AND ARCHITECTURE
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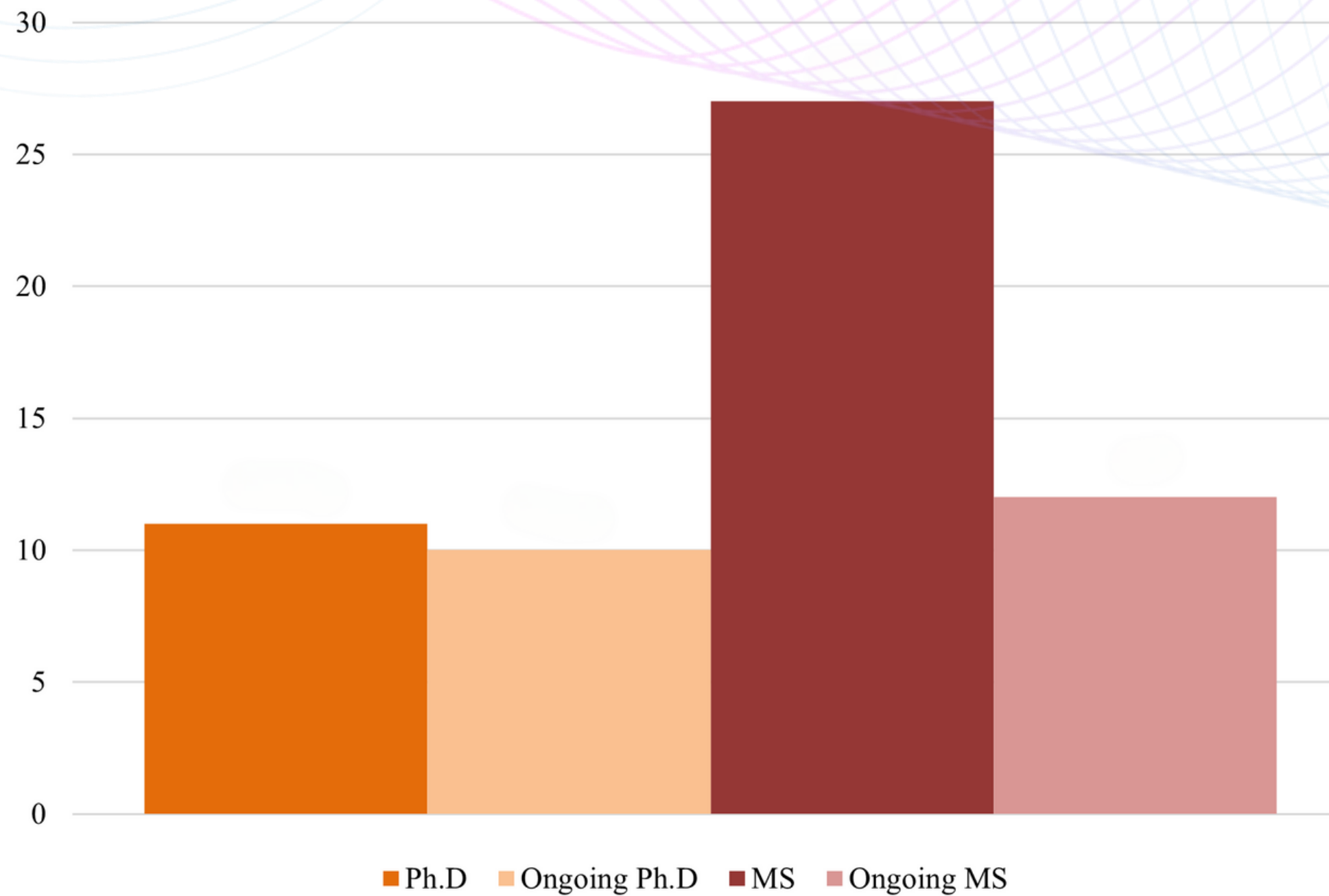
33%

TARGET
INDICATORS

18.33%

ACTUAL
ACCOMPLISHMENT

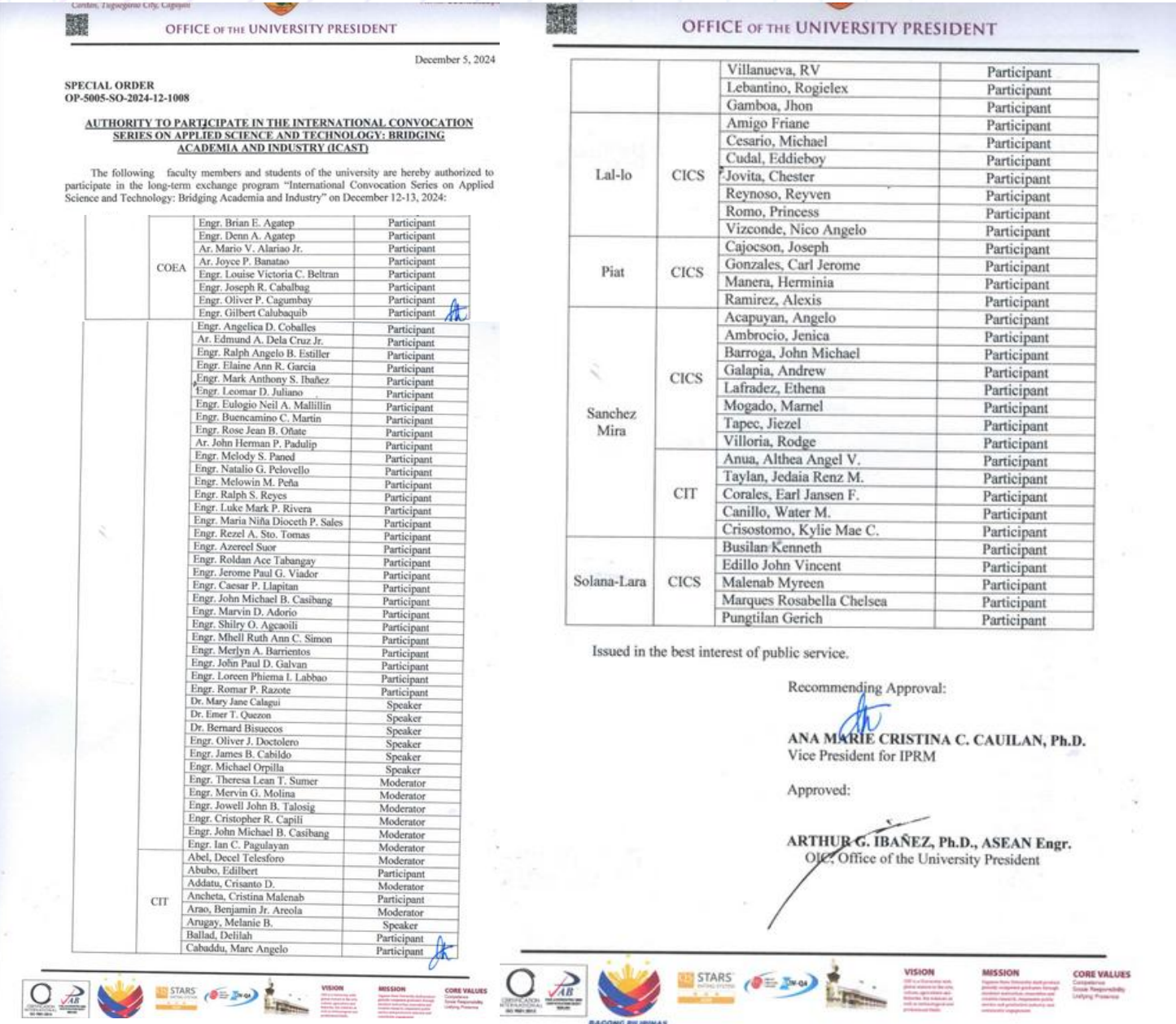
PERCENTAGE OF PLANTILLA FACULTY WITH DOCTORAL DEGREES



Ph.D	11
Ongoing Ph.D	10
MS	27
Ongoing MS	12



PERCENTAGE OF FACULTY WHO COMPLETED INTERNATIONAL TRAINING PROGRAMS



***TRAINING ON VALUE INNOVATION IN ENGINEERING PRACTICES,
RESEARCH, AND INSTRUCTION TOWARDS INTERNATIONALIZATION***

**INTERNATIONAL CONVOCATION TRAINING SERIES ON APPLIED
SCIENCE AND TECHNOLOGY: ICAST**

25%
100%

TARGET
INDICATORS
ACTUAL
ACCOMPLISHMENT

PERCENTAGE OF FACULTY WHO COMPLETED LOCAL TRAINING PROGRAMS



KICAD PCD DESIGN WORKSOP

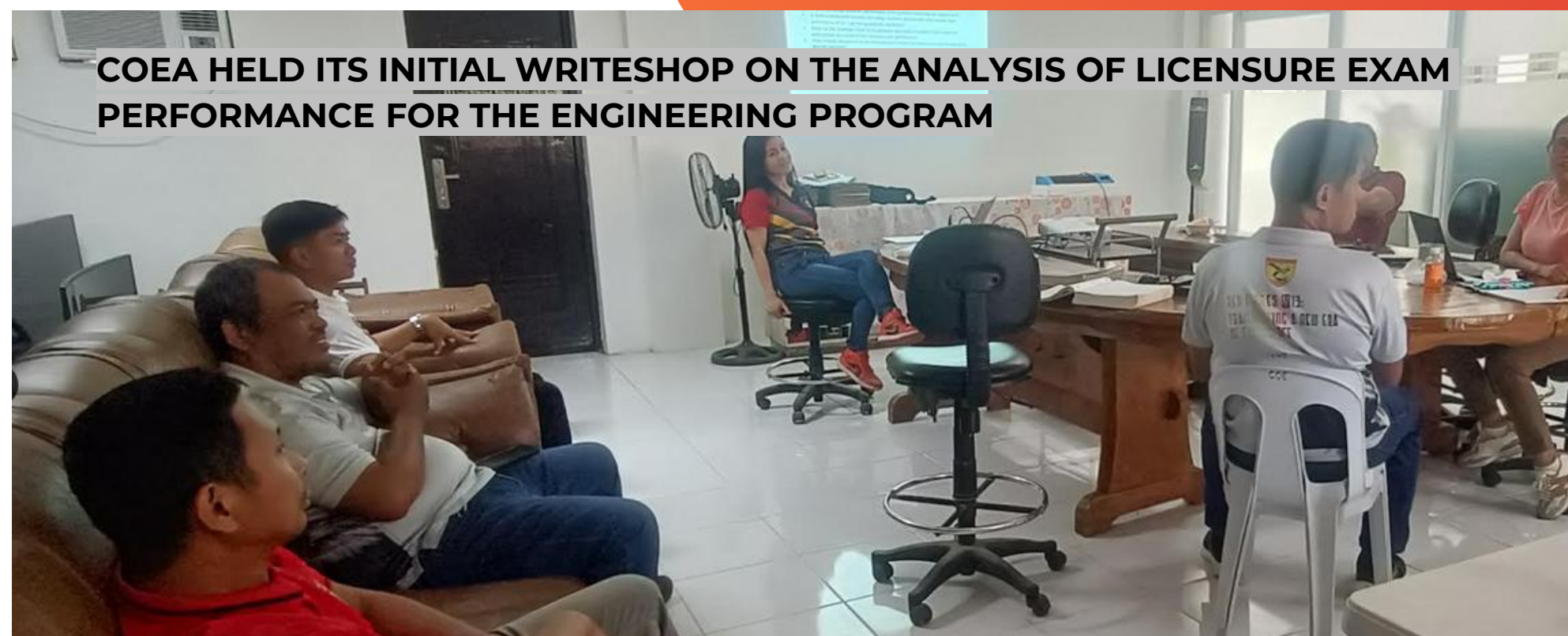
<https://www.facebook.com/ICpEPseCSUChapter> ICPEP



RDE projects Line-Item Budget (LIB), and Work and Financial Plans Preparation



DEVELOPMENT OF Learning Modules using 5es and 4as



COEA HELD ITS INITIAL WRITESHOP ON THE ANALYSIS OF LICENSURE EXAM
PERFORMANCE FOR THE ENGINEERING PROGRAM



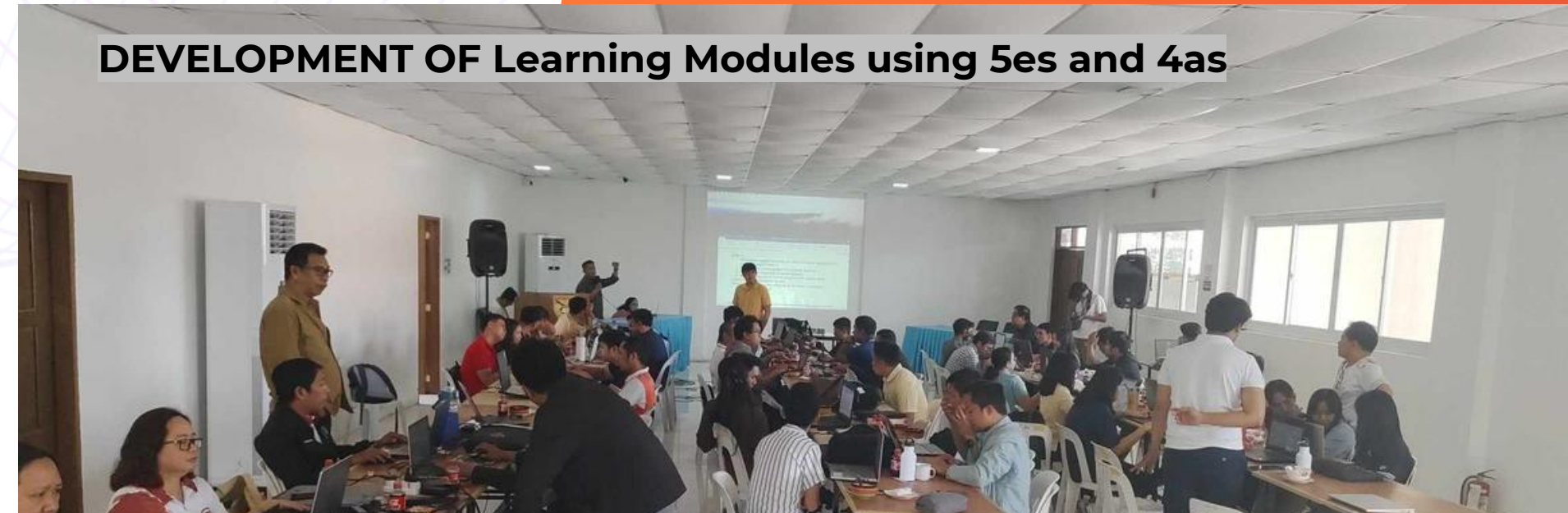
25% TARGET INDICATORS
100% ACTUAL ACCOMPLISHMENT

PERCENTAGE OF FACULTY WHO COMPLETED LOCAL TRAINING PROGRAMS

TECHNICAL CONFERENCE ON DISASTER MITIGATION, PREPAREDNESS AND RESPONSE TRAINING PROGRAM



DEVELOPMENT OF Learning Modules using 5es and 4as



TRAINING-WORKSHOP ON CONSTRUCTIVE ALIGNMENT OF SYLLABI TOWARDS SUSTAINABILITY



100%
100%

TARGET
INDICATORS

ACTUAL
ACCOMPLISHMENT

PERCENTAGE OF BOARD PROGRAMS WITH PASSING RATE CONSISTENTLY HIGHER THAN THE NATIONAL PASSING NUMBER OF BOARD PROGRAMS

FIRST BATCH

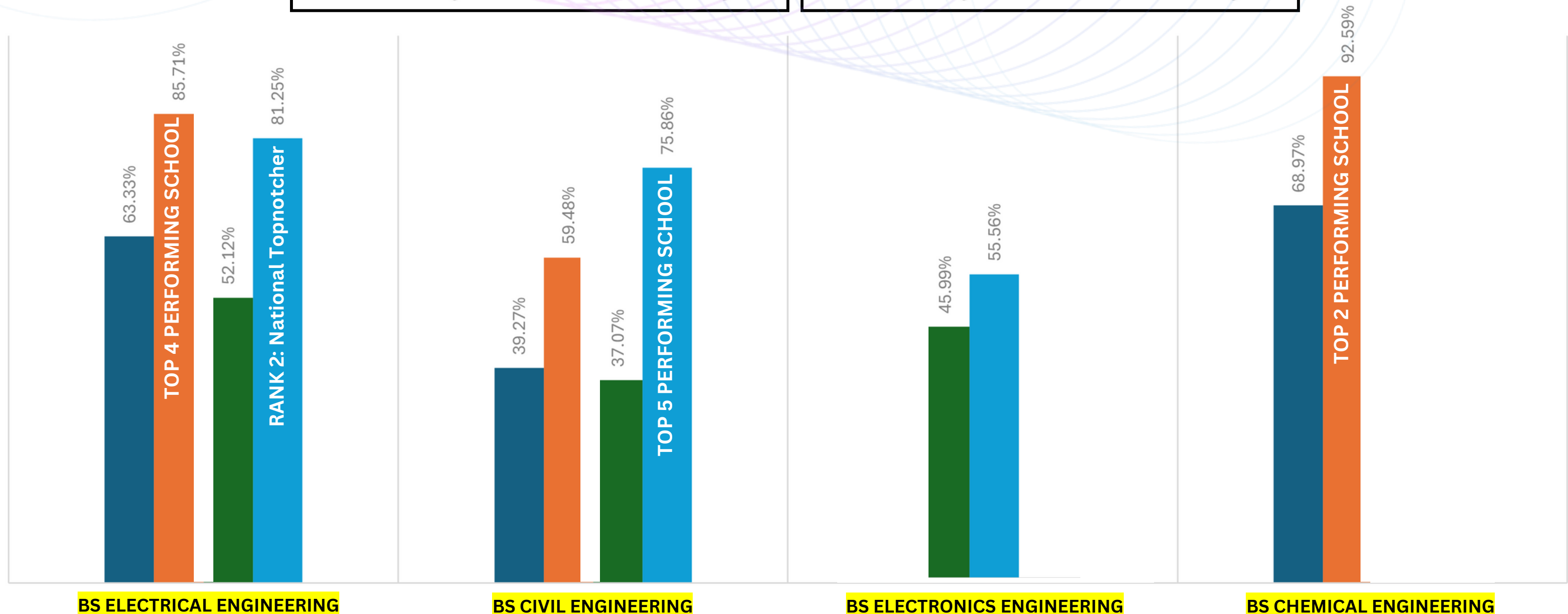
SECOND
BATCH

■ National Passing Rate

■ Institutional Passing Rate

■ National Passing Rate

■ Institutional Passing Rate

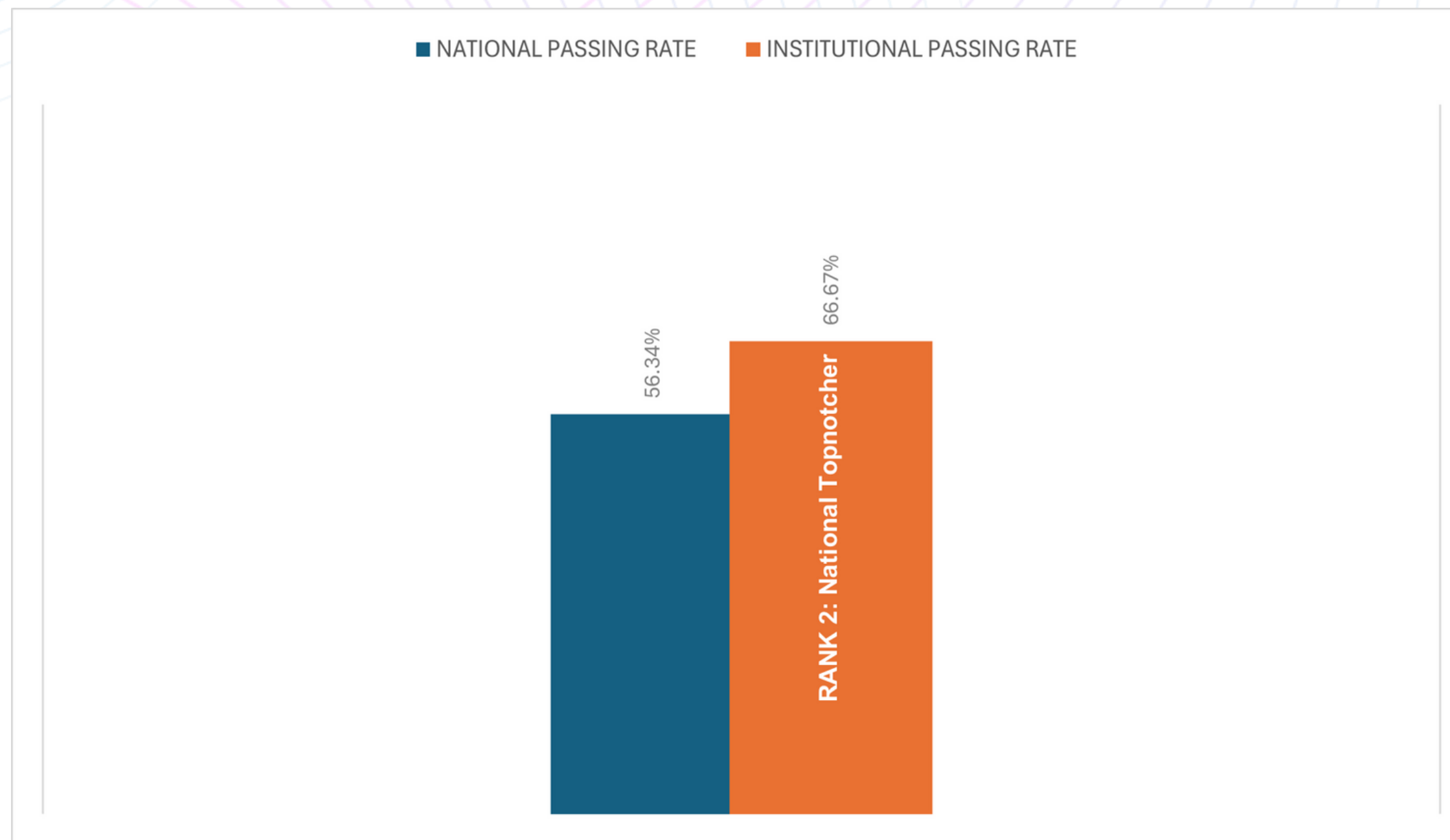


100%
100%

TARGET
INDICATORS

ACTUAL
ACCOMPLISHMENT

PERCENTAGE OF BOARD PROGRAMS WITH PASSING RATE CONSISTENTLY HIGHER THAN THE NATIONAL PASSING NUMBER OF BOARD PROGRAMS RATE OVER



BS AGRICULTURAL AND BIOSYSTEMS ENGINEERING





CAGAYAN STATE UNIVERSITY

Congratulations!
ANA MARIE MACASADDUG MABBORANG

TOP 2
NATIONWIDE
IN THE DECEMBER 2024 AGRICULTURAL & BIOSYSTEMS ENGINEERS LICENSURE EXAMINATION

87.44%

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Congratulations
to the PASSERS OF MAY 2024 CHEMICAL ENGINEERING LICENSURE EXAMINATION

CSU is TOP 2
PERFORMING SCHOOL FOR CHEMICAL ENGINEERING NATIONWIDE!

INSTITUTIONAL PASSING RATE
92.59%
 (25/27)

NATIONAL PASSING RATE
68.97%

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Congratulations
to the PASSERS OF APRIL 2024 REGISTERED ELECTRICAL ENGINEER LICENSURE EXAMINATION

CSU is TOP 4
PERFORMING SCHOOL FOR ELECTRICAL ENGINEER NATIONWIDE!

INSTITUTIONAL PASSING RATE
85.71%
 (48/56)

NATIONAL PASSING RATE
63.33%

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Congratulations
to the PASSERS OF NOVEMBER 2024 CIVIL ENGINEERING LICENSURE EXAMINATION

CSU is TOP 5
PERFORMING SCHOOL FOR CIVIL ENGINEERING NATIONWIDE!

INSTITUTIONAL PASSING RATE
75.86%
 (110/145)

NATIONAL PASSING RATE
37.07%

FIRST TAKERS
89.32%
 (92/103)

RETAKEES
42.86%
 (18/42)

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TOP 2
NATIONWIDE

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ECE PASSING RATE
55.56%
 10/18

ECT PASSING RATE
100%
 3/3

WENMARKET

Source: PRC October 2024 ECE and ECT Licensure Examination Results

ENGR. LOUIE T. BARBA
ENGR. JOHN PAUL V. BELLO
ENGR. ANTHONY LOUISE C. CAJILLO
ENGR. MARK DANIELLE O. CALIMAG
ENGR. JOSEPH JOHN B. DELA CRUZ

ENGR. REJIC LAUREN ANGELO B. MENDOZA
ENGR. EUGENE A. PAMITTAN
ENGR. JAMAICA NICOLE C. RUSTIA
ENGR. JAN VINCENT B. TUERCA

ENGR. RANDZ ANGEL G. MARCOS, ECT
GLENDIA A. BALLESTEROS, ECT
KIMBERLY O. OJENAR, ECT

1. KENNETH LUBIN ABAGAT, RChT
2. ERICKA DE GUZMAN ACAG, RChT
3. LUANNE ACCAD, RChT
4. VIANCA GYWANETH TAYAG ALEGRE, RChT
5. KYLIE REA CASTRO AGRON, RChT
6. RALPH VINCENT BALANAY ARAGONES, RChT
7. LEIRINE AIPHYRYLL MANALANG AVILA, RChT
8. HANNASHA GRACE GULLA BALAG, RChT
9. HEZEL DAO-AYAN CAMMAGAY, RChT
10. KRISHA NICOLE ASUNCION CARABBACAN, RChT
11. MARY ANN SALDIVAR CUARESMA, RChT
12. FREIDRICH ANGOLUAN CUSIPAG, RChT
13. MARK DARYLL BAUTISTA DIAZ, RChT
14. MAT EZEKIEL PAGADUAN FABROA, RChT
15. LOU MARIE LOPEZ FERRER, RChT
16. LAWRENCE MARION FUDAN MANUEL, RChT
17. CHERRYLL ASUNCION MARTINEZ, RChT
18. CHRISTINE JOY PAMITTAN ODRUNIA, RChT
19. ZYRELLE PAGULAYAN PANGASI, RChT
20. JOHN CONRAD PERALTA RAMIREZ, RChT
21. JAYLORD BALITAYO RAMOS, RChT
22. MARCEL JOHN BACCAY RARANGGOR, RChT
23. REMIELYN AGUDA ROSARIO-UDANI, RChT
24. RYAN JAY PIMENTEL TABERNA, RChT
25. CARLOS MIGUEL MACABABBAD TAGACAY, RChT
26. CATHLEEN CARLOS TAMAYAO, RChT
27. PIERRE JAHN GAMSABO TAYABAN, RChT
28. JANINNE SINENSE TOLentino, RChT
29. JASMIN MACAPIA ZINGAPAN, RChT

TOP 2
NATIONWIDE

ENGR. TOMAS CABAUATAN CASAUAY

ENGR. DANIEL SABADO DAMIAN
ENGR. PATRICK BATTU GOROSPE
ENGR. DANIEL SABADO DAMIAN
ENGR. PATRICK BATTU GOROSPE
ENGR. MARCELO ANGELO JAVIER
ENGR. SHELIA MARIE BARALIN NICOLAS
ENGR. CARLOS LORENZ VALDEPENAS DUNTO
ENGR. JADEBROK MENDOZA SORIANO



1 **TARGET**
INDICATORS

1 **ACTUAL**
ACCOMPLISHMENT

PARTNERSHIPS AND COLLABORATION
MEMBERSHIP IN ORGANIZATIONS AND
NETWORKS

Philippine Association of Engineering Schools (PAES), Inc.



4 TARGET INDICATORS
1 ACTUAL ACCOMPLISHMENT

NUMBER OF FULL-TIME FACULTY ENGAGED IN SHORT-TERM FACULTY EXCHANGE PROGRAM WITH A DURATION OF LESS THAN 3 MONTHS AS LECTURER, SPEAKER, COOPERATING INSTRUCTOR, OR OTHER SIMILAR ACADEMIC ROLES IN THE INSTITUTION



Universiti Teknologi MARA (UiTM) **SUMMER EXCHANGE PROGRAM**



10 TARGET
INDICATORS
02 ACTUAL
ACCOMPLISHMENT

STUDENT MOBILITY

NUMBER OF OUTBOUND AND INBOUND STUDENTS PARTICIPATED SHORT-TERM INTERNATIONAL STUDENT EXCHANGE PROGRAM





KRA 3:

EXCELLENCE IN RESEARCH AND CREATIVE WORKS



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COLLEGE OF ENGINEERING AND ARCHITECTURE
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01 TARGET
INDICATORS

01 ACTUAL
ACCOMPLISHMENT

NUMBER OF RESEARCH COLLABORATIONS WITH ORGANIZATIONS, RESEARCH AND ACADEMIC INSTITUTIONS WITH ACTIVE MOA WITHIN THE EVALUATION PERIOD

International Research Collaboration



CAGAYAN STATE UNIVERSITY
PHILIPPINES



YUVAKSHETRA INSTITUTE OF MANAGEMENT STUDIES
INDIA

INTERNATIONAL CONVOCATION SERIES ON APPLIED SCIENCE AND TECHNOLOGY:

Bridging Academia and Industry

December 12, 2024 - May 30, 2025 - Via Zoom Video Conferencing

Faculty
Students
Researchers
Industry Partners
Practitioners
Policy Makers
Community Leaders
Community Members

INTERNATIONAL CONVOCATION SERIES ON APPLIED SCIENCE AND TECHNOLOGY: BRIDGING ACADEMIA AND INDUSTRY


Plenary Sessions
Lectures
Panel Discussions
Testimonials
Case Studies
Research Collaboration and Mentorship
Academic Advising
Networking

APPLIED SCIENCES

1. Engineering
2. Computer Science
3. Environmental Science
4. Health Sciences
5. Agricultural Science
6. Materials Science
7. Information Technology
8. Biotechnology
9. Forensic Science
10. Applied Mathematics
11. Social Sciences
12. Geosciences
13. Clinical Research
14. Food Science
15. Exercise Science

TECHNOLOGY

1. Information Technology
2. Computer Science
3. Telecommunications
4. Robotics
5. Artificial Intelligence
6. Software Development
7. Cybersecurity
8. Data Science
9. Network Engineering
10. Cloud Computing
11. Internet of Things (IoT)
12. Biotechnology
13. Nanotechnology
14. Renewable Energy Technology
15. Aerospace Technology

ENGINEERING

1. Civil Engineering
2. Mechanical Engineering
3. Electrical Engineering
4. Chemical Engineering
5. Aerospace Engineering
6. Computer Engineering
7. Environmental Engineering
8. Industrial Engineering
9. Biomedical Engineering
10. Materials Engineering
11. Structural Engineering
12. Petroleum Engineering
13. Agricultural Engineering
14. Marine Engineering
15. Software Engineering

INDUSTRIAL TECHNOLOGY

1. Manufacturing Technology
2. Automation Technology
3. Quality Control and Assurance
4. Industrial Engineering
5. Supply Chain Management
6. Process Technology
7. Robotics
8. Maintenance Engineering
9. Construction Technology
10. Ergonomics
11. Lean Manufacturing
12. Information Technology in Industry
13. Industrial Safety
14. Materials Management
15. Product Design and Development

The 2025 Nexus Summit:

An International Convergence of Minds and People

July 9-11, 2025 | CSU Claude Andrews Convention Center




INDICATORS	TARGET	ACTUAL ACCOMPLISHMENT
Human Capital for Research and Development		
Percentage of full-time plantilla faculty with at least one patent, publication in internationally-indexed journals	20	COEA- 8 CHSS-5 CICS- 1 CPAD- 2 CNSM-1 COM- 1 CVM – 1
Percentage of full-time plantilla faculty with at least 2 research/ creative works outputs published/ presented /exhibited	20	COEA- 8 CHSS- 4 CNSM -4 CIT- 12 CHK- 4 CPAD- 3
Percentage of full-time plantilla faculty with awards received for research/ creative work	6	COEA- 18 CHSS- 1 CNSM- 1 CHK- 3



INDICATORS	TARGET	ACTUAL ACCOMPLISHMENT
Institutional Research and Creative Outputs		
Patents	1	8
Utility Model/ Industrial Design - Number of unit points earned	8	6
Published in internationally indexed journal	1	COEA – 5 CICS- 2 CHSS- 1 COM- 3 CVM- 1
Presented in conferences but not published	2	COEA- 8 CNSM- 4 CIT – 6 CHSS – 5 CHK- 3 CPAD – 1
Number of Research/ Creative outputs cited by authors in publications of national or international scope - Citations in a refereed journal	38	COEA – 161 CHK - 14 CHSS - 13 CVM -11
Number of International Research/ Creative Collaborations	1	1- ICAST





KRA 4: EXTENSION SERVICES





5

NUMBER OF EXTENSION
TRAININGS

9

MEMORANDUM OF
AGREEMENT

3

NUMBER OF PARTNER
LGU/ AGENCIES

1,100
PARTICIPANTS



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EXTENSION PROGRAMS

PAGGURUFUNAN PARA TA PROGRESO

FOUR TRAININGS AND SEMINARS CONDUCTED



BASIC HYDROPONIC GARDENING



BAMBOO HANDICRAFT



WATER POTABILITY TRAINING



GAD SEMINAR



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EXTENSION PROGRAMS

Empowering LGU GONZAGA: A Journey towards Smarter and Safer Community Using Innovative Technologies

TWO TRAININGS AND SEMINARS CONDUCTED



"Gonzaga GEAR UP: Generating Emergency Alert Readiness and Uplifting Production"

Banca Tracker and Emergency Alert System Reviving Salt Production Livelihood



"Gonzaga FUTURE: Farming Upgrades and Technological Empowerment for Resilient and Equal Communities"

N-P-K Analyzer of Farm Fields and Gender Sensitivity Training

EXTENSION PROGRAMS

Record of Management System of PNP RO2 Forensic Unit

ONE TRAINING AND SEMINAR CONDUCTED



Training-Workshop and Technology Demonstration on Online Record Management System for PNP-Regional Forensic Unit RO2



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DBM / PBB



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COLLEGE OF ENGINEERING AND ARCHITECTURE
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67%

TARGET
INDICATORS

68.42%

ACTUAL
ACCOMPLISHMENT

PERCENTAGE OF GRADUATES (2 YEARS PRIOR) THAT ARE EMPLOYED

76.78%

2022 Graduates (162/211)

86.52%

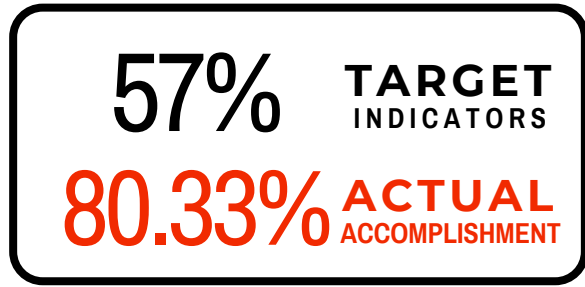
2021 Graduates (289/334)

92.47%

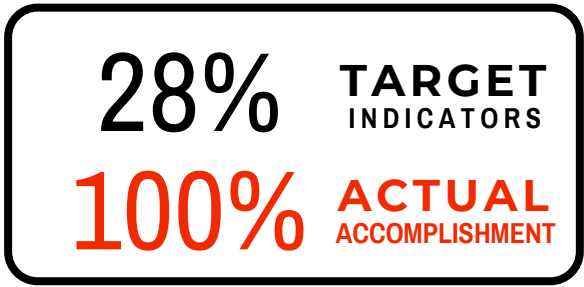
2018 Graduates (295/319)

COLLEGE	GRADUATES (AY 2021-2022)	Q1	Q2	Q3	Q4	OVERALL EMPLOYED	% PER COLLEGE
CIT	208	80	29	22	54	185	88.94%
COEA	211	33	42	61	26	162	76.78%
CHK	107	28	6	24	17	75	70.09%
CHASS	219	34	19	20	80	153	69.86%
CICS	276	39	47	15	62	163	59.06%
CNSM	192	20	21	24	54	119	61.98%
CPAD	57	26	9	0	14	49	85.96%
CVM	33	0	18	10	2	30	90.91%
TOTAL	1303	260	191	176	309	936	71.83%

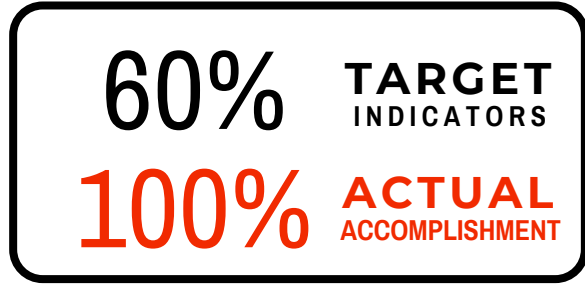




PERCENTAGE OF FIRST-TIME
LICENSURE EXAM TAKERS THAT
PASS THE LICENSURE EXAMS



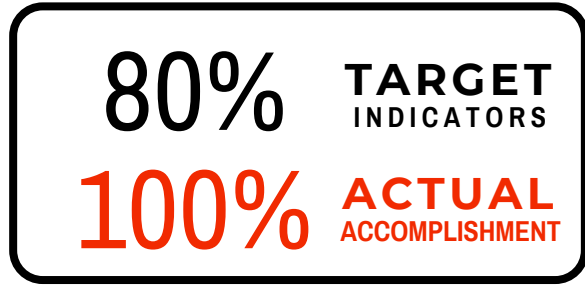
PERCENTAGE OF RESEARCH OUTPUTS
PUBLISHED IN INTERNATIONALLY REFEREED
OR CHED RECOGNIZED JOURNAL WITHIN THE
YEAR



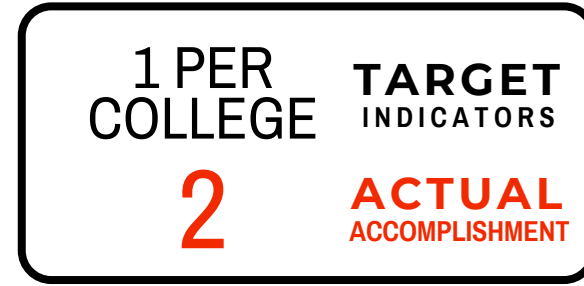
PERCENTAGE OF UNDERGRADUATE
STUDENT POPULATION ENROLLED IN
CHED-IDENTIFIED AND RDC-IDENTIFIED
PRIORITY PROGRAMS



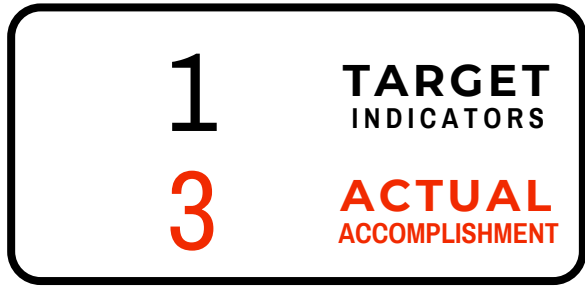
NUMBER OF ACTIVE PARTNERSHIP WITH LGUS,
INDUSTRIES, NGOS, NGAS, SMES, AND OTHER
STAKEHOLDERS AS A RESULT OF EXTENSION
ACTIVITIES



PERCENTAGE OF UNDERGRADUATE
PROGRAMS WITH ACCREDITATION



NUMBER OF EXTENSION PROGRAMS
ORGANIZED AND SUPPORTED CONSISTENT
WITH THE SUCS MANDATED AND PRIORITY
PROGRAMS



NUMBER OF RESEARCH OUTPUTS/STUDIES
COMPLETED WITHIN THE YEAR



International Organization for Standardization Surveillance Visit

College of Engineering and Architecture

October 15, 2024



Participated in the 12th Philippine Electric Vehicle Summit

2ND Best Design



FACULTY ACHIEVEMENTS



Engr. Reyes Bags Best Presenter Award at CHED 2024 International Conference



REGIONAL RESEARCH DISSEMINATION FORUM



UiTM Summer Exchange Program



Engr. Quezon Bags 1st Place at University In-house Review 2024



ENGR. ESTILLER ATTENDED THE 2024 INTERNATIONAL CONFERENCE ON UN SDG AND SOCIAL INNOVATION

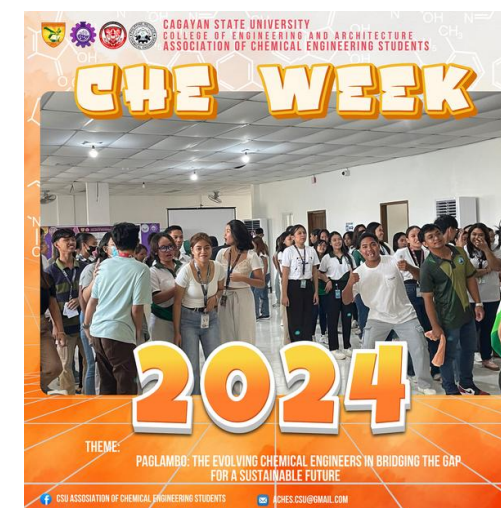


Engr. Calagui Bags Best Presenter Award at 2nd IRICEEA 2024

SEMINARS AND CONVENTIONS



STUDENT ACTIVITIES



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STUDENT ACHIEVEMENTS



THESIS: **MINIMIZATION OF TRAFFIC CONGESTION
 USING TRAFFIC INTENSITY ANALYSIS AND
 ASSIGNMENT PROBLEM MODEL: A CASE
 STUDY IN TUGUEGARAO CITY**

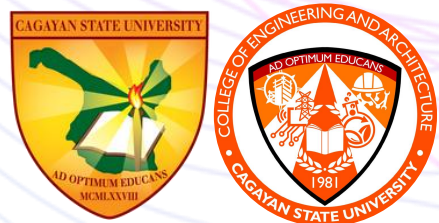
Accepted for **International Conference on Urban Planning**





*“We are not team because we work together.
We are team because we respect, trust, and care for each other”*





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COLLEGE OF ENGINEERING AND ARCHITECTURE

**THANK YOU FOR
WATCHING...**

ENGR. JOHN MICHAEL B. CASIBANG, MST, MSCE

University Dean

