

NARRATIVE REPORT

DECEMBER
2024

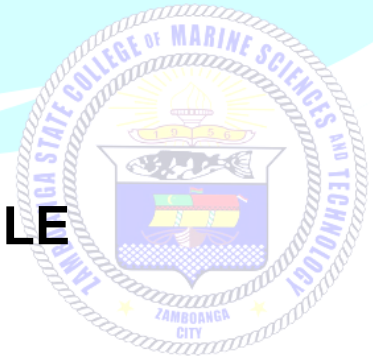
Bachelor of
Science in Marine
Engineering

Performance of
Graduates



Zamboanga State College of Marine Sciences & Technology (ZSCMST)





PROGRAM PERFORMANCE PROFILE

1. Program

Name of Program: **BACHELOR OF SCIENCE IN MARINE
ENGINEERING**

2. Institution

a. Name: **ZAMBOANGA STATE COLLEGE OF MARINE
SCIENCES AND TECHNOLOGY**

a. Location: **FORT PILAR, ZAMBOANGACITY**

b. Campus where the Program is Offered: **CAMPUS A CME**

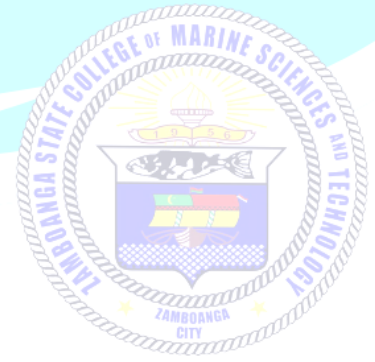
3. Name and Title of the:

a. Dean: **MM MARNETTE M. APIT, MATMT**

b. Head/Chair of the Program: **C/E CHRISTALYN DR CHIONG**

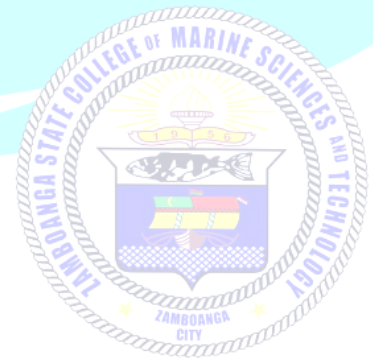
c. President of the Institution: **RODERICK D. TRIO, MaEd**

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6. Participation of Significant Number of Faculty/Staff/Students/Communities in Major Projects/Activities
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Introduction

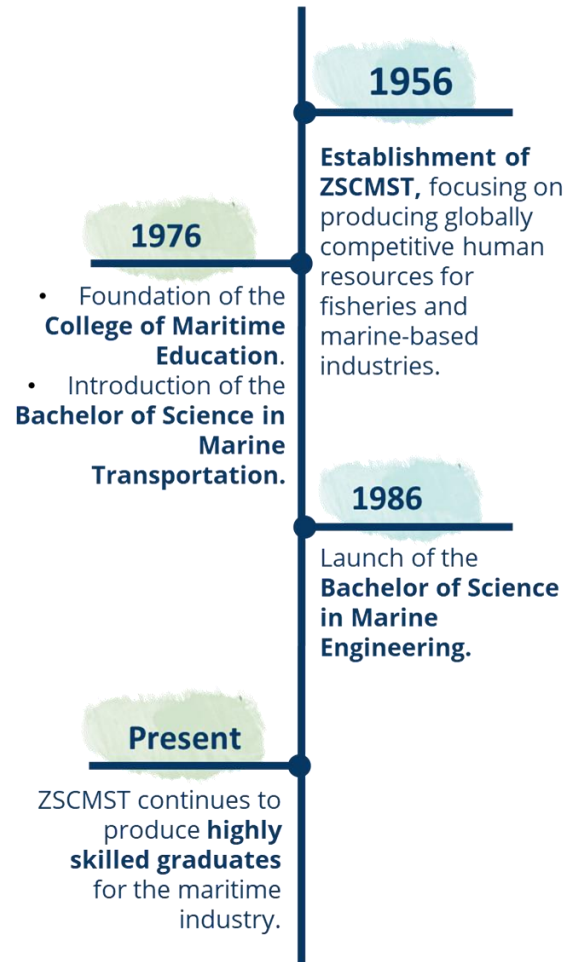
1.1 History of ZSCMST

ZSCMST, established in 1956, has grown from humble beginnings to become a renowned institution producing globally competitive human resources for fisheries and other marine-based industries.

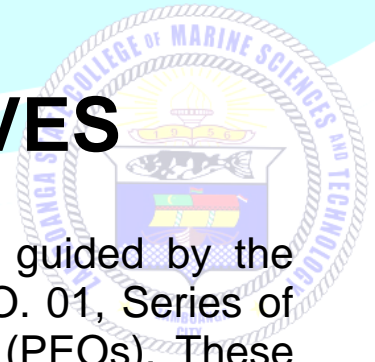
With the purpose of expanding its scope, ZSCMST established the College of Maritime Education in 1976.

The College of Maritime Education was founded in 1976, with its pilot course being the Bachelor of Science in Marine Transportation. Within ten years, in 1986, the Bachelor of Science in Marine Engineering was formed.

Because of Zamboanga's bustling ports and ZSCMST's advantageous location, students at the college of maritime education can witness firsthand what is mean to be a seafarer giving them a glimpse of their future/dreams.



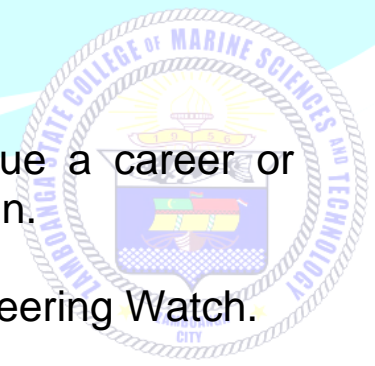
WELL-DEFINED OBJECTIVES



The Bachelor of Marine Transportation program is guided by the JOINT CHED – MARINA MEMORANDUM CIRCULAR NO. 01, Series of 2023, which details the Program Educational Objectives (PEOs). These objectives ensure that graduates are well-prepared for careers in the maritime industry, equipped with the necessary skills and knowledge to excel in their chosen fields. The PEOs are as follows:

1. **General Objective:** The BSMT or BSMarE degree aims to produce graduates who are competent to pursue a career or advanced studies in a related maritime field of specialization.
2. **Specific Objectives:**
 - The BSMT program is designed to produce competent Officers in Charge of a Navigational Watch on seagoing ships of 500 gross tonnage or more.
 - The BSMarE program aims to produce competent Officers in Charge of an Engineering Watch in a manned engine-room or as designated duty engineer in a periodically unmanned engine-room on seagoing ships powered by main propulsion machinery of 750 kW or more.

The College of Maritime Education conducted a tracer study to systematically track the post-graduation progress of our alumni. The purpose of this study is to gather valuable insights into our graduates' employability, career advancement, and further studies. In addition, The BSMARE Program also measures its effectiveness through licensure exam results. These results, alongside tracer studies, provide comprehensive evidence of our graduates' competence and readiness for professional roles. These insights are then used to determine if the Program Educational Objectives (PEOs) have been achieved.



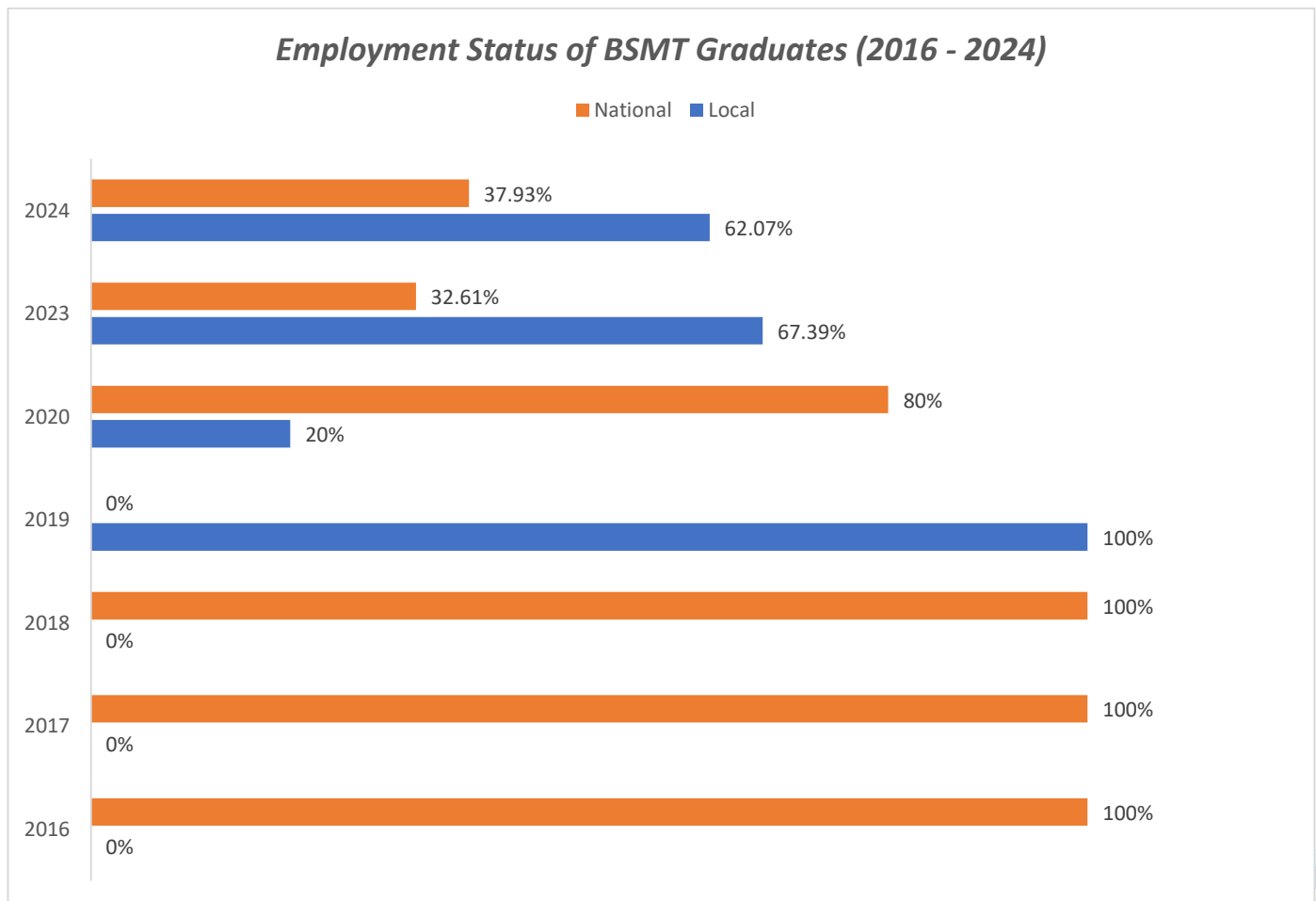
PEO 1: Produce graduates who are competent to pursue a career or advanced studies in a related maritime field of specialization.

POE 2: Produce competent Officers in Charge of an Engineering Watch.

a. Tracer Study

A recent tracer study shows that 12% of graduates with a Bachelor's degree in Marine Engineering graduates are either employed in maritime-related fields or are pursuing additional education. The program's effectiveness employability rate demonstrates how well it prepares graduates for their careers.

Figure 1: Employment Status of BSMT Graduates (2018-2024)



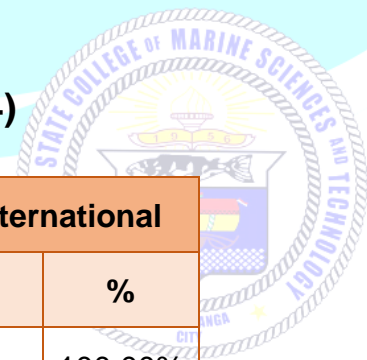


Table 1: Employment Status of BSMARE Graduates (2016-2024)

Year Graduated	No. of Graduates	Traced and employed		Local		International	
		N	%	N	%	N	%
2016	12	1	8.33%	0	0.00%	1	100.00%
2017	53	1	1.89%	0	0.00%	1	100.00%
2018	104	1	0.96%	0	0.00%	1	100.00%
2019	189	1	0.53%	1	100.00%	0	0.00%
2020	183	5	2.73%	1	20.00%	4	80.00%
2023	59	46	77.97%	31	67.39%	15	32.61%
2024	109	29	26.61%	18	62.07%	11	37.93%

The table and graph indicate trends in the employment rates of graduates from 2016 to 2024 based on a tracer study. Early years (2016–2020) show very low tracing and employability rates, with international employment dominating among those traced. However, starting in 2023, there is a significant increase in the percentage of graduates traced and employed, especially in local employment, with 77.97% of 2023 graduates and 26.61% of 2024 graduates traced as employed.

b.1. Licensure Exam Results for Operational Level

The graduates of the Bachelor of Science in Marine Engineering (BSMARE) program take operational level licensure tests following the completion of the required coursework and hands-on training. These exams are crucial for obtaining certification, qualifying graduates to serve as Officers in Charge of an Engineering Watch in a manned engine-room or as designated duty engineer in a periodically unmanned engine-room on seagoing ships powered by main propulsion machinery of 750 kW or more.

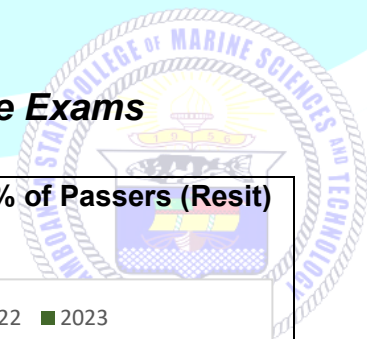


Figure 2: Percentage of Passers in Operational Level Licensure Exams

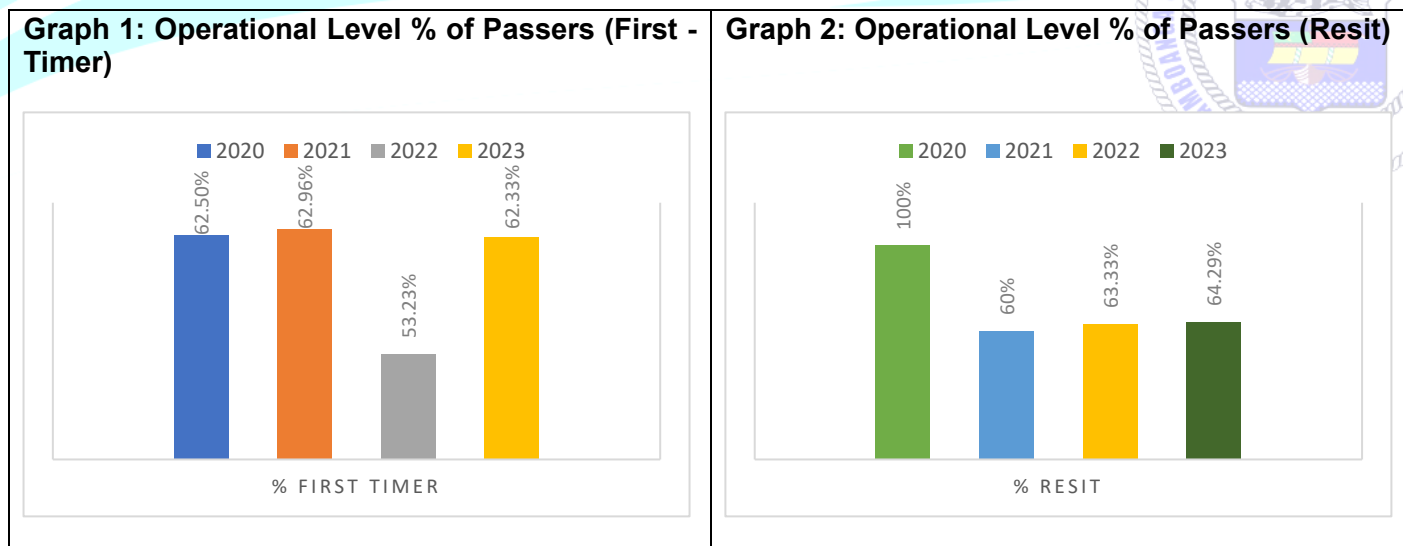


Table 1: BSMARE Operational Level Licensure Exam Result (2020 – 2023)

Year	Operational Level					
	No. of Examinees (first-Timer)	No. of passers (First-Timer)	% of Passers (First -Timer)	No. Examinees (Resit)	No. of Passers (Resit)	% of Passers (Resit)
2020	8	5	62.50%	3	3	100.00%
2021	27	17	62.96%	6	5	60.00%
2022	62	33	53.23%	26	20	63.33%
2023	77	48	62.33%	28	18	64.29%
Total	174	103	59.19%	63	46	73.02%

The BSMARE program has shown a strong training foundation by continuously demonstrating a majority pass rate for first-time examinees above 50% from 2020 to 2023. The number of first-time examinees increased from 8 in 2020 to 77 in 2023, with an overall passing rate of 59.19%, while the number of retake examinees increased from 3 to 28 and achieved an overall passing rate of 73.02%. Although there was a dip in the first-time passing rate in 2022 to 53.23%, the program rebounded strongly in 2023 with a pass rate of 62.33%. For retake examinees, the passing rates have remained higher than those of first-timers, showcasing an upward



trend from 60% in 2021 to 64.29% in 2023. This indicates the program’s effective support systems for resit candidates. Overall, the data underscores the program’s commitment to equipping graduates for professional roles and fostering continuous improvement in licensure exam performance.

b.2. Licensure Exam Results for Management Level

The Management Level Licensure Exam for Bachelor of Science in Marine Engineering (BSMARE) graduates is typically taken after they have completed the necessary seagoing service and additional management training. This exam qualifies graduates to serve as Chief Mate or Master Mariner on seagoing ships of 500 gross tonnage or more. Passing this exam is a significant milestone, validating their readiness and competency to take on higher-level management roles in the maritime industry.

Figure 4: Percentage of Passers in Management Level Licensure Exams

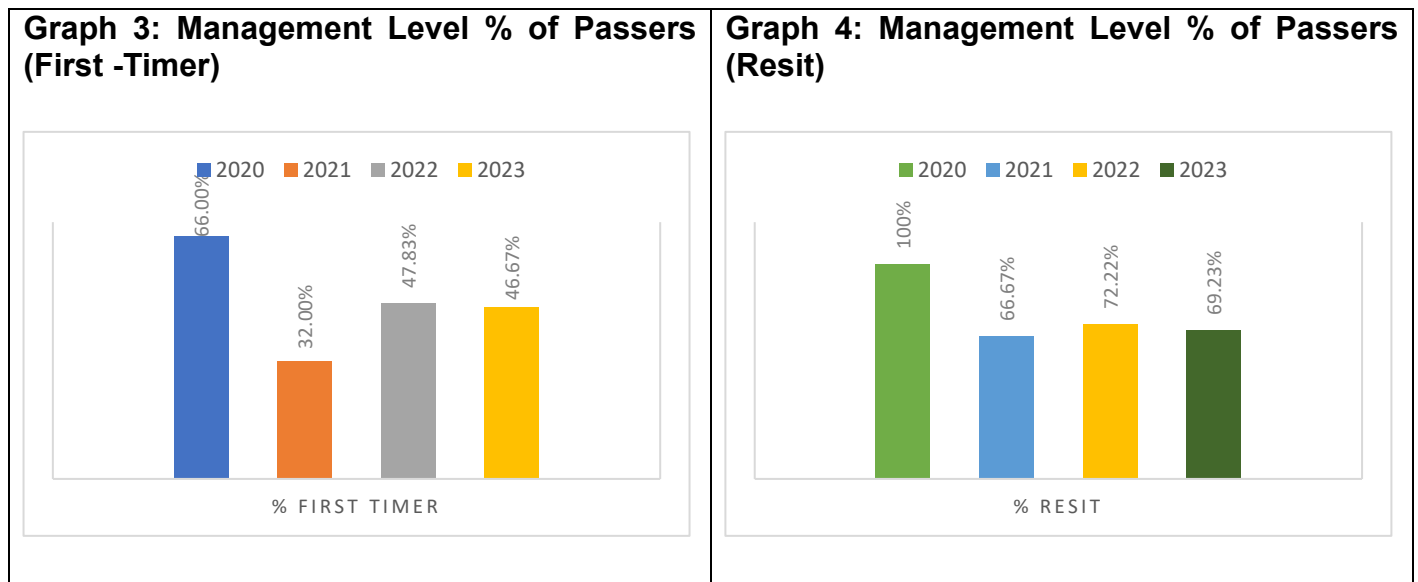


Table 1: BSMARE Management Level Licensure Exam Result (2020 – 2023)

Year	Management Level					
	No. of Examinees (first-Timer)	No. of passers (First-Timer)	% of Passers (First -Timer)	No. Examinees (Resit)	No. of Passers (Resit)	% of Passers (Resit)
2020	5	3	66.00%	1	1	100.00%

2021	25	8	32.00%	9	6	66.67%
2022	23	11	47.83%	18	13	72.22%
2023	15	7	46.67%	13	9	69.23%
Total	68	29	42.65%	41	29	70.73%

The management level licensure exam results for the BSMARE program show varying pass rates for first-time examinees, with strong performances in 2020 and 2021 but a decline in 2022, followed by some recovery in 2023. The average pass rate for first-time takers is 42.65%, highlights the need for continued improvements in preparation and support. In contrast, the resit examinees consistently performed better, with an average pass rate of 70.73%. Notably, resit examinees achieved a perfect pass rate in 2020 and high success rate in 2021 and 2022. However, there was a decline to 69.23% in 2023, suggesting some challenges but still reflecting strong support and remediation efforts for those retaking the exams. These results emphasize the program's commitment to preparing students for success in both first-time and resit exams, showcasing resilience and effective intervention strategies.

c. Employability with a career or advanced studies in a related maritime field of specialization and highly skilled Officers in Charge of Engineering Watch.

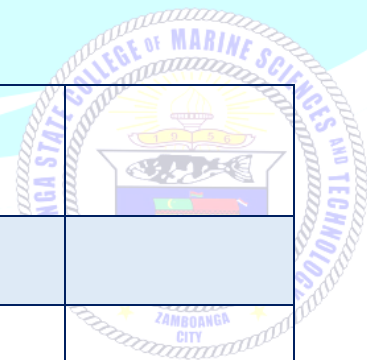
The List of Prominent Graduates below demonstrates the outstanding achievements of alumni who have excelled in maritime and related fields, reflecting their employability and success in their chosen careers. Graduates hold key positions such as program chairs, assistant professors, and instructors, with many attaining advanced degrees, including master’s and doctoral qualifications. In the marine sector, a number of graduates have attained prestigious roles as Chief Engineers, Second Engineers, and Officers in Charge of an Engineering Watch (OIC-EW), showcasing their technical proficiency and leadership.

Their achievements reflect the rigorous training and high-quality education provided by ZSCMST, equipping graduates with the skills and expertise to excel in maritime professions and lead effectively at sea.

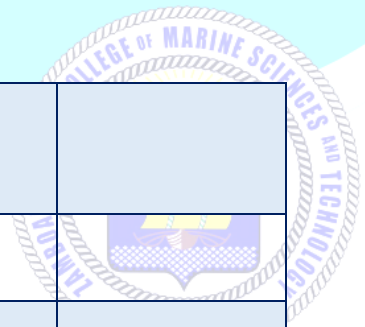
LIST OF PROMINENT GRADUATES



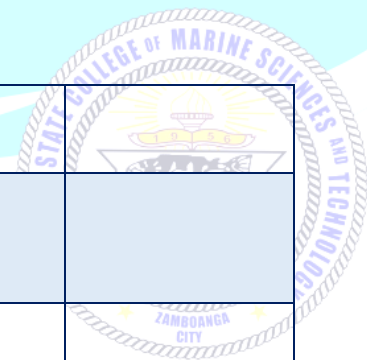
NAME	YEAR GRADUATED / BATCH #	WORKING POSITION	HIGHEST EDUCATIONAL ATTAINMENT	RANK AND AWARDS
C/E CHRISTALYN DR CHIONG	2008/BATCH 30	Program Chair Assist. Prof. 3	<ul style="list-style-type: none"> • Doctoral Degree 	First Female Chief Engineer Zamboanga City
MELCHOR PAMIGAO	BATCH 17	Chief Engineer		
JOEY TORINO	2006/Batch 28	Chief Engineer		
C/E ERWIN DELA CRUZ	2006/Batch 28	Chief Engineer		
ELEGIO BALBERDE	2006/Batch 28	Chief Engineer		
RICARDO MANLICLIC	2006/Batch 28	Chief Engineer		
FERNANDO LAURIGA JR.	2006/Batch	2 nd Engineer		
GIDEOLAN SERNA	2008/Batch 30	2 nd Engineer		
ENSIGN. MARK ANTHONY SIASON	2017/Batch 39	PCG Ensign		
EMMANUEL SANTOS	2011/Batch 33	3 rd Engineer		
ALJON ARCILLAS	2013/Batch 35	3 rd Engineer		
HERSON CAMION	2015/Batch 37	3 rd Engineer		
CHRISTOPHER CABILES	2015/Batch 37	3 rd Engineer		
HAROLD NOHAY	2015/Batch 37	3 rd Engineer		
REYNER BASALO	2015/Batch 37	3 rd engineer		



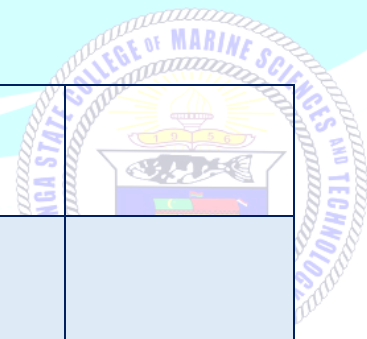
3/E MARY ROSE A. DELA CRUZ	2009	Instructor 1	<ul style="list-style-type: none"> • Master's Degree 	
3/E IVAN JUDE P. MARTINEZ	2011/BATCH 33	Instructor 1	<ul style="list-style-type: none"> • Master's Degree 	
NAV.ARCH. ROEL S. SANTOS		Assist. Prof. 4	<ul style="list-style-type: none"> • Master's Degree 	
3/E JAYVIN G. ALVIAR	2008/BATCH 30	Instructor 1	<ul style="list-style-type: none"> • On-going Master's Degree 	
3/E PROFERIO D. BENDEL	2006/ BATCH 26	Assist. Prof. 4	<ul style="list-style-type: none"> • Doctoral Degree 	
ENGR. EUSTACE A. PEÑAFLORES		Assist. Prof. 2	<ul style="list-style-type: none"> • Master's Degree 	
ENGR. WYNNA GYN S. EBESATE		Instructor 1	<ul style="list-style-type: none"> • Master's Degree 	
RONILO Y. JAYSON		Instructor 3	<ul style="list-style-type: none"> • Master's Degree 	
3/E CHRISTIAN Y. REYES	2015/BATCH 37	Instructor 1	<ul style="list-style-type: none"> • On-going Master's Degree 	
GOMERA MARY AI		Chief Engineer		
CEDRIC VILLANEZA		Chief Engineer		
James Dulap		2 nd Engineer		
ARAÑA, HARRY JR. H.	2014	OIC-EW		
CANANGGA, LARRY JR. O.	2015	OIC -EW		
LOCSON, PATRICK S.	2015	OIC -EW		
BALASA, JOLIE PACULANAN	2014	OIC-EW		
GONZALES, JORDAN BITIHAN	2016	OIC-EW		



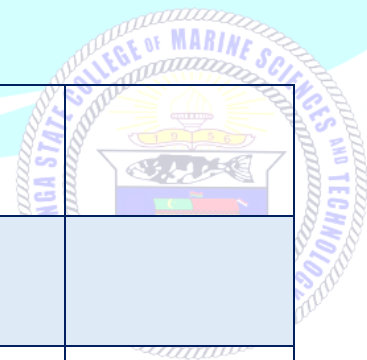
GONZALES, NICO ACE IVAN TORIBIO	2016	OIC-EW		
APAT, VINCENT S.	2014	OIC-EW		
DEL ROSARIO, NEFF LADRA	2015	OIC-EW		
PADERANGA, JAY CLAMOHOY	2015	OIC-EW		
PUTOT, VINNIE BOY SUNDON	2015	OIC-EW		
ESPARCIA, JOFFER RECOSOSA		OIC-EW		
ATILANO, JESSIE BOY LURETE	2016	OIC-EW		
BALABIS, TONY CYRIZ REMOLLO	2012	OIC-EW		
BICOY, DENVER LERIN		OIC-EW		
LAGUTIN, ERROL VAL ELUMBA		OIC-EW		
TOOY, LARIE J.	2015	OIC-EW		
TORINO, ANTHONY GUADALUPE	2011	OIC-EW		
MASCARDO, JOHN MARK C.	2016	OIC-EW		
GABATO, JHUNIE C.	2013	OIC-EW		
CONSTANTINO, JONEL A.	2014	OIC-EW		
SAN JUAN, RYAN T.	2014	OIC-EW		
BAJAO, MARREL JAY T.	2016	OIC-EW		



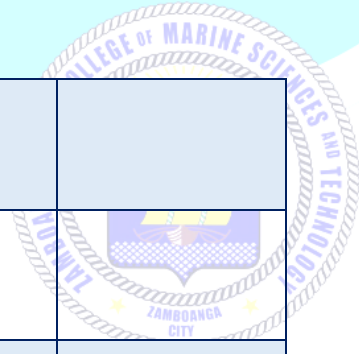
GALVEZ, HOMER JR. R.	2015	OIC-EW		
GEROMO, MARC HARRIET D.	2015	OIC-EW		
ALVAREZ, REY ANGIE E.	2015	OIC-EW		
PABLEO, REYMOND P.	2014	OIC-EW		
CONSECO, JOVIENEL G.		OIC-EW		
TABON, GILBERT M.	2016	OIC-EW		
LINGO-LINGO, CLIFFORD B.		OIC-EW		
SIDAYON, MARK DARYL S.	2013	OIC-EW		
DICEN, MARK ANTHONY PROVIDENCIA	2016	OIC-EW		
NATIVIDAD, JINROE PIAMONTE	2012	OIC-EW		
SEBASTIAN, BENJIE MARK L.	2014	OIC-EW		
QUIJANO, ARLEIGH JAMES BICOY	2012	OIC-EW		
BAZAN, JOVCEL FAYLUGA	2014	OIC-EW		
GAJOL, RENALDO SOLIS	2016	OIC-EW		
ATILANO, RODELYN FRANCISCO	2016	OIC-EW		
SOLON, MARVIN L.	2012	OIC-EW		



ELNASIN, NIKKO BRYAN GUEVARRA	2016	OIC-EW		
CASTRO, MIKE VINCENT CLEMEN	2014	OIC-EW		
BUENA, RYAN CRISTIAN DAYON	2016	OIC-EW		
SATUMBAGA, MARK TURA	2013	OIC-EW		
BAGAU, LOUIE REY JAIME	2016	OIC-EW		
ANILONG, AL HADI	2015	OIC-EW		
DEL ROSARIO, VERLOU JOHN D.	2013	OIC-EW		
NARANJO, JAMES KELVIN BAJET	2016	OIC-EW		
HERUELA, JENRICK D.	2014	OIC-EW		
BARHAMA, WAJER S.	2011	OIC-EW		
DUMALAGAN, NORVIN O.	2014	OIC-EW		
LU, REYDEN JHON LEMITARES	2016	OIC-EW		
HERNANDEZ, KLENZ JACOB PEREZ	2013	OIC-EW		
AGGABAO, GILBERT RAFOLS	2016	OIC-EW		
ARGUEZA, KENDAL AUX	2013	OIC-EW		
DUCO, FRANCIS DAVE YNGOC	2016	OIC-EW		



OMAR, ABDULHAMID OCHON	2016	OIC-EW		
MIRANDA, JEZLER SUEÑO	2016	OIC-EW		
DAGALEA, JESSAN C.	2016	OIC-EW		
ANDRINO, RONALD CASINO	2016	OIC-EW		
VERGAÑO, RYAN O.	2015	OIC-EW		
SUSULAN, ERIC T.	2015	OIC-EW		
FALCATAN, ARMAND JOHN BENZON	2016	OIC-EW		
GABAYERON, RHYAN MARK DIMAIN	2016	OIC-EW		
PADUA, QUENNETH JAMES MACR JANOYAN	2016	OIC-EW		
AIZON, FERDIE Q.	2016	OIC-EW		
TROGELLO, MARLON MONTECLARO	2014	OIC-EW		
PATARASA, RAMLI ABDURASAD		OIC-EW		
AWOX, RYAN ANIÑON	2016	OIC-EW		
BADE, JESBERT ANTONIO	2015	OIC-EW		
BARUT, JOSHUA KEECH BALILI	2016	OIC-EW		



DELOS REYES, FRANCIS MARCIAL	2016	OIC-EW		
MILLADO, JOEY ENRIQUEZ	2016	OIC-EW		
MARTINEZ, RAYMART	2017	OIC-EW		

PHILIPPINE ASSOCIATION OF MARITIME TRAINING CENTERS INC. (PAMTCI)
10th St. C. 387 F. Plaza MARINA, 2008 Tower, 1871 Telf Avenue
Corner San Andres Street, Manila, Philippines

Certificate No. 2023715-609-14
Registration No. 2006

Certificate of Completion

This certificate is issued to
Ivan Jude P. Martinez
for having successfully completed the
Training Course for Instructors
IMO Model Course 6.09
(80 Hours)

Conducted from May 08 to 19, 2023 as authorized under the Memorandum of Agreement between the Maritime Industry Authority (MARINA) and the Philippine Association of Maritime Training Centers, Inc. (PAMTCI) pursuant to Republic Act No. 10635 and its Implementing Rules and Regulations (IRR), and after having been assessed by the authorized Assessors in accordance with the approved method and criteria.

Issued this 19th day of May 2023 in Manila, Philippines.

MS. KATHERINE R. AVELINO
PAMTCI President

IVAN JUDE P. MARTINEZ

DX-23-0170673

Republic of the Philippines
Department of Labor and Employment
NATIONAL MARITIME POLYTECHNIC
Cebu City

Certificate of Completion
This Certificate is issued to
MARY ROSE A. DELA CRUZ
Date of Birth: October 6, 1989
for having successfully completed the requirements and satisfactorily passed the training in
TRAINING COURSE FOR INSTRUCTORS
(IMO Model Course 6.09)
(88 Hours)

for Maritime Instructors and Assessors conducted from August 4 to August 15, 2014 in accordance with MARINA Circular No. 2013-02, Series of 2013 and CHED Memorandum Order Nos. 31 and 32 Series 2012 in compliance with the International Convention on Standards of Training, Certification and Watchkeeping (STCW) for Seafarers, 1978 as amended pursuant to Regulation 1/6 and Section 3-1/6.

Issued this 15th day of August, 2014, in the City of Tacloban, Philippines.

ENGR. LUCIANO V. TRINIDAD
DIRECTOR OF MARITIME TRAINING DIVISION

MARY ROSE A. DELA CRUZ
OFFICER IN CHARGE

AJA
Cebu City

PHILIPPINE ASSOCIATION OF MARITIME TRAINING CENTERS INC. (PAMTCI)
10th St. C. 387 F. Plaza MARINA, 2008 Tower, 1871 Telf Avenue
Corner San Andres Street, Manila, Philippines

Certificate Number: 2013145-609-20
Registration Number: 000816

Certificate of Completion

This certificate is issued to
Roel S. Santos
for having successfully completed the
Training Course for Instructors
IMO Model Course 6.09
(64 Hours)

Conducted from May 16 - 24, 2013 as authorized under the Memorandum of Agreement between the Maritime Industry Authority (MARINA) and the Philippine Association of Maritime Training Centers, Inc. (PAMTCI) pursuant to Republic Act No. 10635 and its Implementing Rules and Regulations (IRR), and after having been assessed by the authorized Assessors in accordance with the approved method and criteria.

Issued this 15th day of May 2015 in Manila, Philippines.

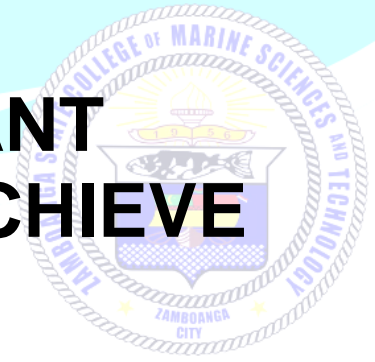
C/E ALFREDO G. HABOC
PAMTCI President

ROEL S. SANTOS

DX-15-020662

Sample Certificate of Completion

ADEQUATE AND RELEVANT PROJECTS/ACTIVITIES TO ACHIEVE OBJECTIVES



The BSMARE program is committed to deliver quality education to meet the needs of the stakeholders thus curriculum revisions are being done. The BSMARE Program offers a variety of projects and activities designed for students, teachers, and staff to effectively achieve the Program Educational Objectives (PEOs). These initiatives ensure comprehensive development and practical exposure, fostering an environment that nurtures both academic excellence and hands-on learning.

I. Academic Enhancement

The BSMARE program employs a dynamic and comprehensive approach to student learning, including workshops, seminars, guest lectures from industry experts, and research projects. These activities provide practical experience, broaden technical knowledge, and promote a better understanding of the maritime sector. It gives participants practical experience, broadens their technical knowledge, and improves their comprehension of the maritime sector. At the same time, faculty members address difficulties in marine engineering and promote the industry's expansion through academic research. Both the academic underpinning of the curriculum and its relevance to the evolving needs of the marine sector are strengthened by this dual focus.



Write shop for Crafting Research, innovation, & Extension Plan with the Deans and faculty of the different colleges



Guest lectures from industry experts IAMU REPRESENTATIVES



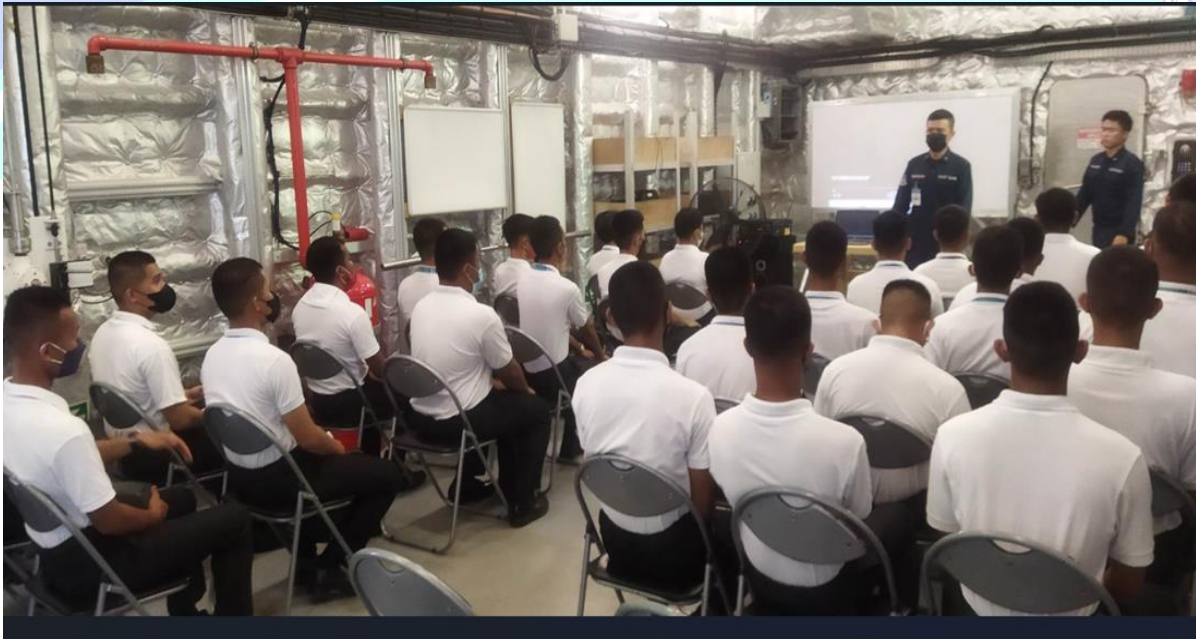
Faculty's Research projects

II. Practical Training and Development

To provide students with hands-on experience and practical exposure, the institution organized familiarization activities onboard a Philippine Coast Guard Vessel for BSMT and BSMARE students. These activities are designed to enhance students' understanding of maritime operations, safety protocols, and real-world maritime environments.



(a)



(b)



In addition, the institution also organized pre-course Simulator-based training for BSMARE students. This additional training is conducted prior to the subjects that include these activities, providing students with an early opportunity to apply theoretical knowledge to realistic

scenarios in a controlled environment. By developing critical navigation and ship handling skills ahead of their coursework, students enhance their competency and confidence in managing real-life maritime operations.



KONGSBERG



Assessment Result

Student: BULAONG, PRINCESS B. C-2
 Computer: ERS-ST5-02-01
 Simulator: MC90-V
 Exercise: AUXMACH 1- Bilge Pump Operation
 Scenario: Operation of Bilge Pumps
 Date: 11/09/2024
 Time: 06:01
 Duration: 00:10:53



Score from 0.0 to 100.0, Pass limit: 70.0, Total score: 77

Assessment name	Critical Achievement	Score
Commence Bilge Pumping Operation		0
1.0 Pump Bilge Well Forward		0
1. Open bilge forward suction valve		7
2. Start bilge water pump		0
3. Emptied bilge well forward		7
2.0 Pump Bilge Well Starboard		0
1. Open Bilge Well Stbd Suction Valves		7
2. Close bilge well forward suction valve		7
3. Emptied bilge well starboard		0
3.0 Pump Bilge Well Portside		0
1. Open bilge well port suction valve		7
2. Close bilge well starboard suction valve		7
3. Emptied bilge well port		7
4.0 Pump Bilge Well Aft		0
1. Open bilge well aft suction valve		7
2. Close bilge well port suction valve		7
3. Emptied bilge well aft		7
Finish Bilge Pumping Operation		0
5.0 Secure the Bilge Well System		0
1. Stop the Bilge Pump	X	0
2. Close the Bilge Well Aft		7

(a) Assessment Result

ZAMBOANGA STATE COLLEGE OF MARINE SCIENCES AND TECHNOLOGY

Fort Pilar, Zamboanga City
 Tel No (062) 991-0643 Telefax (052) 991-0777
 website: http://www.zscmst.edu.ph

2016-2017
 Printed Page 1 of 8
 Revision Page 1
 Revision Date 1/2018



COLLEGE OF MARITIME EDUCATION

Student Name BULANG, PRINCESS B.

Program/Year/Section BMAR E II-CHARLIE

Date 11-9-2024

Score _____

PRACTICAL ASSESSMENT PLAN

- Assessor's Copy
- Instructor's Copy
- Student's Copy

Course	Auxiliary Machinery
Modality	Practical Simulation
Title	Bilge Pump Operation (Centrifugal Pump)
STCW Competence Addressed	C4: Operate main and auxiliary machinery and associated control systems C5: Operate fuel, lubrication, ballast, and other pumping systems and associated controls
Course Outcome Addressed	C01: Operate, maintain, and troubleshoot the following auxiliary machineres in accordance with their manufacturer's specifications: 1. Various pumps (gear, centrifugal, vane, screw, reciprocating) 2. Air compressor 3. Fresh water generator 4. Heat exchanger 5. Deck machinery such as crane, mooring winch, and windlass
Learning Outcomes	LO1.2: Operate pumps and pumping systems, considering nominal operational performance, in accordance with the operations manual.
Task	Perform a complete bilge pump operation, ensuring all bilge wells (forward, starboard, port, and aft) are pumped out according to the correct sequence.
Pre-requisite	<ul style="list-style-type: none"> • Completion of theoretical lessons on bilge pump systems. • Familiarity with safety procedures related to pumping operations • Basic understanding of pump operation and valve control.
Duration	25 minutes
Venue/Equipment	<ul style="list-style-type: none"> • Engine Simulator • Bilge Pump System Simulation Setup
Scenario	The student will commence the bilge pumping operation. The task will involve opening the correct valves, starting the bilge pump, and ensuring that each bilge well is emptied in the correct order (forward, starboard, portside, aft). Upon completion, the bilge system must be secured properly.
Initial Condition	<ul style="list-style-type: none"> • The bilge wells are filled, necessitating pumping. • The bilge pump is in standby mode. • All bilge suction valves are initially closed
Failure State	Introduce a simulated failure such as a stuck valve or a pump that does not start. The student must troubleshoot and rectify the issue following proper procedures.
Student's Actions	<ul style="list-style-type: none"> • The student must correctly identify and operate the necessary valves and bilge pump.

	<ul style="list-style-type: none"> Follow the operational sequence to pump out each bilge well Address any simulated failure state by following troubleshooting procedures as per the operations manual <p>Procedure Commence bilge Pumping Operation</p> <p>1 0 Pump bilge well forward</p> <p>1 Open bilge forward suction valve</p> <p>2 Start bilge water pump</p> <p>3 Emptied bilge well forward</p> <p>2 0 Pump Bilge Well Starboard</p> <p>1 Open bilge well starboard suction valves</p> <p>2 Close bilge forward suction valve</p> <p>3 Emptied bilge well stbd</p> <p>3 0 Pump Bilge Well Portside</p> <p>1 open bilge well port suction valve</p> <p>2 close bilge well stbd suction valve</p> <p>3 emptied bilge well port</p> <p>4 0 Pump bilge well aft</p> <p>1 open bilge well aft suction valve</p> <p>2 close bilge well port suction valve</p> <p>3 emptied bilge well aft</p> <p>Finish Bilge Pumping Operation</p> <p>5 0 Secure the bilge well system</p>
--	---

Practical Assessment Procedure

Performance Checklist

Performance Standards	Performance Criteria	Done	Not Done	Observations/Comments
Safety Standard	Wears appropriate PPE (e.g., hard hat, gloves) and follows safety protocols.	/		
	Ensures the work area is safe and free from hazards before starting the operation.	/		
Procedural Standard	Correctly identifies and operates all necessary valves and pumps.	/		
	Follows the correct sequence in pumping bilge wells as per the operations manual.	/		
	Successfully troubleshoots and resolves any failure states introduced during the exercise.	/		
Result Standard	Completes the bilge pump operation within the allotted time.	/		
	All bilge wells are successfully emptied, and the system is secured properly.	/		
Total Points				

Score	Numerical rating
	100%
	95%
	90%
	85%
	80%
	75%
	70% (Failed)

(b) Practical Assessment Plan



Failure State:

The Students will automatically be marked "not yet competent" when any of the following is committed
 1) Not able to pass the passing grade which is 75% of the total item

Result:

After the exercise, the result of the practical assessment will be given to the students

Grade:

- 75% and above = **Competent**
- Below 75% = **Not Yet Competent (NYC)**

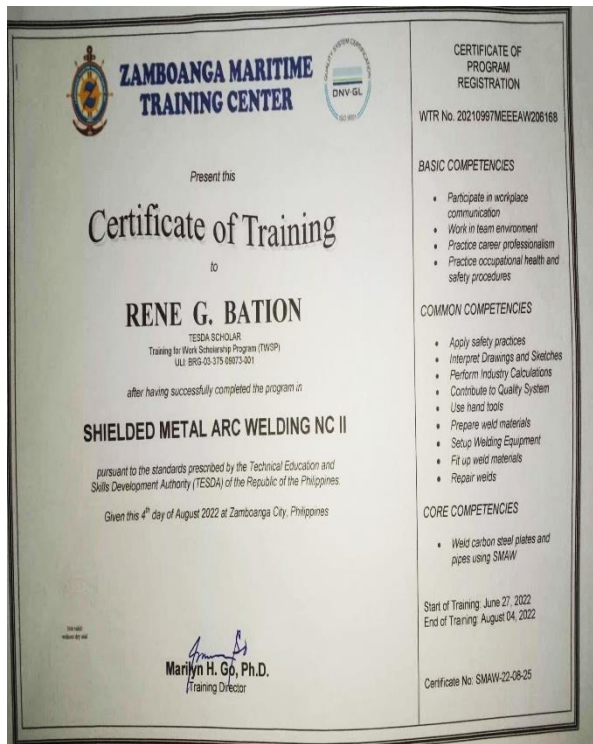
NYC Grade:

- 1 A re-sit for the same competence on the same day is allowed
- 2 A student who has undergone the re-sit, retake, and removal shall be considered **FAILED** on that certain competency

Validated/Assessed by ME IVAN JUDE P. MARTINEZ Course Assessor	Approved by ME PORFIRIO M. HUGEL, PhD. Dean, CME	Confirmer BULAWA, PRINCESS B. Student
Date	Date	Date: 11-09-2024

(c) NYC Grade

Furthermore, the Dean of the College of Maritime Education encourage all Student in Marine Engineering Department shall undergo Training for NC II. Some of the student possess now with NCII Certificate.






Republic of the Philippines
TECHNICAL EDUCATION AND SKILLS DEVELOPMENT AUTHORITY

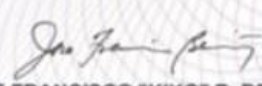
NATIONAL CERTIFICATE II

in
ELECTRICAL INSTALLATION AND MAINTENANCE
is hereby awarded to
DAVEY JONES T. DINOROG

*for having completed the competency requirements under the Philippine TVET
Competency Assessment and Certification System in the following units of competency:*

Unit Code	Unit Title	Unit Code	Unit Title
BASIC COMPETENCIES		CORE COMPETENCIES	
500311105	Participate in workplace communication	ELC741301	Perform roughing-in activities, wiring and cabling works for single-phase distribution, power, lighting and auxiliary systems
500311106	Work in a team environment	ELC741302	Install electrical protective devices for distribution, power, lighting, auxiliary, lightning protection and grounding systems
500311107	Practice career professionalism	ELC741303	Install wiring devices of floor and wall mounted outlets, lighting fixtures/switches, and auxiliary outlets
500311108	Practice occupational health and safety procedures		
COMMON COMPETENCIES			
ELC311205	Use Hand Tools		
ELC311201	Perform Measurement and Calculation		
ELC311202	Prepare and Interpret Technical Drawing		
ELC311204	Apply Quality Standards		
ELC311206	Terminate and Connect Electrical Wiring and Electronic Circuits		

Issued on: **September 24, 2024**
Valid until: **September 23, 2029**


JOSE FRANCISCO "KIKO" B. BENITEZ
DIRECTOR GENERAL

118


This certificate is system generated through T2MS





Republic of the Philippines
TECHNICAL EDUCATION AND SKILLS DEVELOPMENT AUTHORITY

NATIONAL CERTIFICATE I

in

SHIELDED METAL ARC WELDING (SMAW)

is hereby awarded to

RENZ MHEL A. REGALARIO

for having completed the competency requirements under the Philippine TVET
Competency Assessment and Certification System in the following units of competency:

Unit Code	Unit Title
BASIC COMPETENCIES	
5 00 311 1 01	Receive and respond to workplace communication
5 00 311 1 02	Work with others
5 00 311 1 03	Demonstrate work values
5 00 311 1 04	Practice basic housekeeping procedures

Unit Code	Unit Title
CORE COMPETENCIES	
MEE721301	Weld Carbon Steel Plates Using SMAW

Unit Code	Unit Title
COMMON COMPETENCIES	
MEE721201	Apply Safety Practices
MEE721202	Interpret Drawings and Sketches
MEE721203	Perform Industry Calculations
MEE721204	Contribute to Quality System
MEE721205	Use Hand Tools
MEE721206	Prepare Weld Materials
MEE721207	Setup Welding Equipment
MEE721208	Fit up Weld Materials
MEE721209	Repair Welds



JOSE FRANCISCO "KIKO" B. BENITEZ
DIRECTOR GENERAL

Issued on: **November 16, 2024**

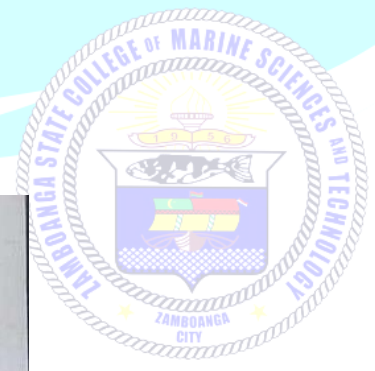
Valid until: **November 15, 2029**



This certificate is system generated through T2MS

Certificate No: **24099701007594**

ULI-RRA-05-306-09073-001







III. Professional Growth: Internship opportunities

The Zamboanga State College of Marine Sciences and Technology (ZSCMST) offers cadets internship opportunities through onboard training, monitored monthly by the Ship Training Officer (STO). This training, which requires 12 to 36 months of seagoing service, aims to provide practical experience under the supervision of qualified deck officers. After completing the training, cadets undergo a series of assessments, including written exams, practical assessments, and panel interviews, to evaluate their competencies. Cadets with lower assessment scores participate in

enhancement activities to improve their skills, ensuring they are well-prepared for the MARINA board examination.

Republic of the Philippines
ZAMBOANGA STATE COLLEGE OF MARINE SCIENCES AND TECHNOLOGY
 Fort Pilar, Zamboanga City 7000
 Tel No: (062) 991-0645; Telefax: (062) 991-0777 <http://www.zscmst.edu.ph>

ZSCMST-STD-3.9.1-34:
 Adopted Date: 11-2018
 Revision Date: 11-2020
 Revision Status: 2

ORAL EXAMINATION
PRESENTATION OF SEA PROJECT
FOR 12 MONTHS SEAGOING
BS MARINE ENGINEERING

Name of Candidate: ALLEN A. SYNTILLAN Date: 20 JANUARY 2024
 Student No.: 2015-12714 Type of Vessel: BULK CARRIER / VEHICLE CARRIER
 Company: SPRASH PHILIPPINES INC. KW: 9,400 / 11,500
 Vessel Name: MV CORAL GUERN / MV LUNA SPIRIT Port Registry: PANAMA / PANAMA

Titles	POINTS	POINTS OBTAINED	Remarks on the presentation of Sea Project
Filters			
A. possible damages o machineries due to improper procedures	10	7	✓
Purifiers			
A. Measurements/calibrations during overhaul	10	9	✓
Sewage treatment plant			
A. Daily inspection	10	9	✓
B. Overhaul procedures			
Steering gear system			
A. Operating principles	10	6	
B. Construction details with labelled drawing			
C. Safeties			
D. Daily inspection	10	6	
TOTAL POINTS	40	35	Grade = $\frac{35}{40} = 0.875 = 1.5$

PERCENTAGE (%) GRADING	FIVE (5) POINT GRADING	DESCRIPTIVE RATING	RANGE
90 - 100	1.0	Excellent	1.0 - 1.25
80 - 89	1.5	Very Good	1.5 - 1.75
70 - 79	2.0	Good	2.0 - 2.25
60 - 69	2.5	Satisfactory	2.5 - 2.75
50 - 59	3.0	Passed	3.0
0 - 49	5.0	Fail	Above 3.0

Total points obtained ___ / Total points ___ x 100 = ___ %

Panel Member:

 Dean/Representative/Assessor

(a) Oral Examination



Training and Assessment Record Book For Assistant Engineer Officers

Photograph
Sponsoring Company's Seal and Manager's Signature across the Photograph.

Towards eligibility for the certificate of competency examination entitling one to serve on a ship in the capacity of Officer in Charge of an Engineering Watch. (STCW 2010 Section III/1)

Name. (IN BLOCK CAPITAL LETTERS)	ALLEN A. SANTILLAN
Residential Address	HIGHWAY DISUD, SINDANGAN, ZAMBOANGA DEL NORTE
Name and Address of Sponsoring Company	SPLASH PHILIPPINES INC. (CORNER STA. MONICA STREET, PASAY CITY PHILIPPINES)

DATE	NAME OF VESSEL	MAIN ENGINE (BHP/KW)	Chief Engineer Signature
APRIL 3, 2022	M/V CORAL QUEEN	9,80 KW	
APRIL 22, 2023	M/V LUNA SPIRIT	11,560 KW	

Signature of Assistant Engineer Officer: I/E OLIVER G. JARMIN

Sponsoring Company Seal:

(b) Training and Assessment Record Book



ZAMBOANGA STATE COLLEGE OF MARINE SCIENCES AND TECHNOLOGY

Fort Pilar, Zamboanga City

Tel. No. (062) 992-6450 Telefax: (062) 991-0777 website: <http://www.zscmst.edu.ph>



COLLEGE OF MARITIME EDUCATION
Onboard Training Office

ZSCMST - DBTS - 1397
Adopted Date: 10-2021
Revision Status: 0
Revision Date: 0

SHIPPING COMPANY PERFORMANCE EVALUATION FORM

SHIPPING COMPANY INFORMATION					
Company Name: <i>SPLASH PHILIPPINES INC.</i>	Department: <i>ENGINE</i>			Date: <i>NOV-01, 2020</i>	
Company Address: <i>PASAY CITY</i>	Name of the Vessel: <i>MV CORAL QUEEN MV LUNA SPIRIT</i>				
RATINGS: (Check [/] the rating of your choice)	Excellent = 5	Good = 4	Satisfactory = 3	Fair = 2	Poor = 1
Please rate your company in terms of the following:					
1. Accreditation and compliances to Maritime Industry Authority (MARINA) and other related Gov't agencies	/				
2. Professionalism of the Managers and Staff	/				
3. Training Development/In-house trainings/Onboard trainings	/				
4. Duration of giving vessel assignment/or line up	/				
5. Safety & Welfare	/				
6. Company's Allowance/Salary	/				
7. Assisting Cadets in their Training Record Book (TRB)	/				
8. Monitoring the progress in terms of the knowledge and Skills acquired by the cadet	/				

Evaluated by:

Allen A. Cantillan

Signature over Printed Name

(c) Shipping Company Performance Evaluation Form

Republic of the Philippines
ZAMBOANGA STATE COLLEGE OF MARINE SCIENCES AND TECHNOLOGY
 Fort Pilar, Zamboanga City
 Telephone & Fax: (052) 991-1500 E-mail: zscmst@zscmst.edu.ph

ZSCMST-151-Z 23
 Adopted Date: 9-2012
 Revised Date: 4-2014
 Revision: 3

SHIPBOARD STUDENT PERFORMANCE EVALUATION REPORT FOR RATINGS

1st Quarter 2nd Quarter 3rd Quarter 4th Quarter

Ratee (Last, First Middle): SANTILLAN, ALLEN A. Date: 08 JULY 2022
 Period of Rating, From (yy/mm/dd) 22/04/03 to 22/07/03
 Vessel Name: M/V CORAL QUEEN Rank/Position: ENGINE CADET
 Company: SPASH PHILIPPINES INC Course: DSME
 Company Address: PSAT OTH

INSTRUCTION
 Please indicate the number which represents your evaluation of the ratee using the following degree:
 5 - EXCELLENT 4 - VERY GOOD 3 - GOOD 2 - FAIR 1 - POOR

FACTORS	DESCRIPTION	RATING	REMARKS
Quality of Work	Accuracy, thoroughness and adherent to standards; workmanship.	3	
Management and Supervision	Technical knowledge of own job; skill in using established techniques, materials and equipment.	3	
Industry & Patience	Work hard without complaining; can stand long hours of work.	4	
Emotional Stability	Does not show Anxiety, Tension, Nervousness and Homesickness; Frustration Tolerance	4	
Safety Consciousness and Housekeeping	Attentiveness, Follow safety rules and good housekeeping practices	4	
Ability to get along with others	Cooperation and Attitude; Inter-departmental Cooperation and Relationship.	4	
Discipline	Ability to Maintain high moral; and punctuality. Follows company rules.	4	
Loyalty & Obedience	Follow orders; Faithfully Performance of Duties	4	
Health Condition	Physically fit not sickly; energetic.	4	
Training Record Book (TRB)	How is the task in the Training Record Book organized?	3	
Evaluation	How do you rate the contents of Project Work?	3	
	How is the compliance of cadets with the task prescribed in the Training Record Book?	4	

Overall rating (sum total/12 factors)

Evaluated by: *[Signature]* Reviewed/ Noted by: *[Signature]*
Department Head OFE TORIBIO A. LARAIN JR. Master CAPTAIN MARCELO L. BOERES

TO BE FILLED OUT WHEN SERVICE IS TRANSMITTED: (Sign off)

Date of Termination: (yy/mm/dd)

Reason of termination: (1) Finished contract (2) Sick/Injured (3) Dismissed for Cause
 (4) Private/Family Problem (5) Others

Recommendation: (1) Promotion to _____ (2) Rehire, the same rank
 (3) Rehire, lower rank to _____ (4) Not for rehire

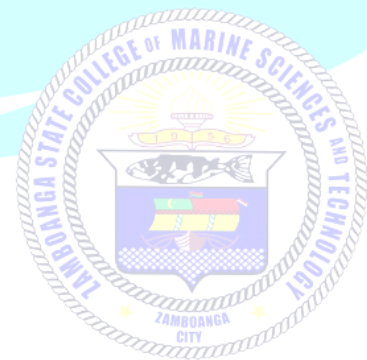
Remarks: (What practical progress and competencies have you done during on board training?)

Additionally, **feedback from the host company** is collected post-internship, providing valuable insights to further enhance the training program and address any areas for improvement.

Captain Ronnel Alviar, the Designated Person Ashore (DPA) at Aleson Shipping Company and a proud graduate of CME, actively engages with the Ship Training Officer (STO) at ZSCMST. During his visits, he provides valuable insights on cadets' progress, performance, and areas for improvement. He also conducts thorough assessments of the cadets' knowledge and skills acquired during their time onboard the vessels. *The image on the left showcases a completed*

Feedback Form for Cadet Allen A. Santillan, provided by Aleson Shipping Company.

In accordance with JCMMC 01, s. 2023, every BSMT and BSMarE student is required to pass an assessment of competencies acquired prior to the conferment of their degree. The image below is a scanned copy of the **Report of Rating and Certification of Cadets on Completion of Onboard Training (OBT) for Cadet Allen A. Santillan, who has successfully passed the series of examinations.**



Republic of the Philippines
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 Fort Pilar, Zamboanga City 7000
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COLLEGE OF MARITIME EDUCATION
 Office of the Onboard Training Officer

ZSCMST REGISTRAR

REPORT RATING

COURSE: BSMarE DATE: JAN 31 2024

Name of Students	Written Exam Grade 30%	Interview or Oral Assessment Grade 30%	Practical Exam Grade 40%	Gen. Ave. = Written Exam + Oral Assessment + Practical Exam	Final Grade	Remarks (Passed or Failed)
ALLEN A. SANTILLAN	0.75	0.30	0.40	1.45	1.5	PASSED
Nothing Follows						

3/E MARY ROSE A. DELA CRUZ,
 DEPUTY OBTS/ASSESSOR

2/M ELCID A. ARANAN, MMM
 OBTS/ASSESSOR

C/E CHRISTALYN D.R. CHIONG, MMM
 DEAN/ASSESSOR

(a) Report of Rating

Republic of the Philippines
ZAMBOANGA STATE COLLEGE OF MARINE SCIENCES AND TECHNOLOGY
 Fort Pilar, Zamboanga City 7000
 Tel No: (062) 991-0645; Telefax: (062) 991-0777 <http://www.zscmst.edu.ph>

COLLEGE OF MARITIME EDUCATION
 Office of the Onboard Training

CERTIFICATION

To Whom It May Concern:

This is to certify that Cdt. **ALLEN ABIL SANTILLAN** has taken his Marine Engineering Onboard Training Written Assessment last **JANUARY 30, 2024** and **PASSED** with the total grade of **2.5**.

FUNCTIONS	DESCRIPTIONS	GRADE
1	Marine Engineering at the Operational Level	2.5
2	Electrical, electronic and Control Equipment	2.5
3	Maintenance and Repair	3.0
4	Controlling the Operation of the Ship and Care for Persons Onboard	2.5

Issued this 31st day of January 2024 in Zamboanga City, Philippines.

Signature of Assessor

(a) Certification of Cadets on Completion of Onboard Training (OBT)

Shipping Companies with MOA

The College of Maritime Education has established Memoranda of Agreement (MOA) with various shipping companies to provide students with valuable internship opportunities and hands-on training experiences. These partnerships ensure that students receive practical, real-world knowledge essential for their maritime education and future careers. The scanned copy of the MOA is shown below, highlighting the collaborative efforts between the college and the shipping companies.



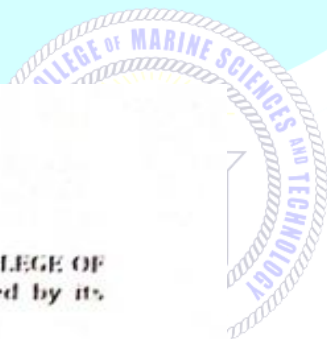
Republic of the Philippines
ZAMBOANGA STATE COLLEGE OF MARINE SCIENCES AND TECHNOLOGY
Fort Pilar, Zamboanga City 7000
Tel No: (062) 991-0645; Telefax: (062) 991-0777 <http://www.zscomst.edu.ph>



SHIPPING LINES

- 1) ALESON SHIPPING LINES, INC.
- 2) C.F. SHARP CREW MANAGEMENT, INC.
- 3) Dhole SEAFRONT CREWING (MLA.), INC.
- 4) KHERI LINES, INC.
- 5) PHILSUNRISE MARITIME, INC.
- 6) PHILSYNERGY MARITIME, INC.
- 7) OCEAN FAST FERRIES, INC.
- 8) REILT MARITIME, INC.
- 9) SRN FAST SEACRAFTS, INC.

List of Shipping Companies with MOA



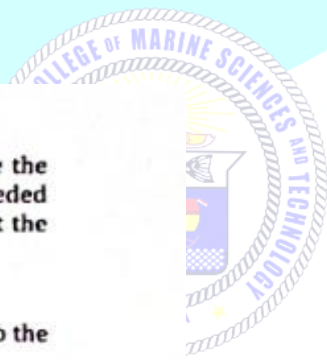
ONBOARD TRAINING MEMORANDUM AGREEMENT

This agreement is entered into and between the ZAMBOANGA STATE COLLEGE OF MARINE SCIENCES AND TECHNOLOGY, Fort Pilar, Zamboanga City, represented by its President, JAIME G. JALON, Ph.D., herein referred to as the First Party;

and

ALESON SHIPPING LINES, INC, 171-172 Veterans Avenue, Zamboanga City, 7000 Philippines, represented by its Managing Director, FELICIANO A. TAN, JR., herein referred to as the Second Party;

1. The First and Second party hereby agrees to the terms and conditions stipulated hereunder relative to the acceptance of student-trainees of the First Party to undergo apprenticeship training viz:
2. The Second Party shall accept student-trainees of the First Party for apprenticeship accomplishing requirements for Bachelor of Science in Marine Transportation/Marine Engineering with the major field of specialization of the student;
3. The training program will be for a period of twelve (12) months, student trainees maybe allowed to render overtime services only on voluntary basis;
4. The student-trainees while on training shall be under the direct supervision of the Second Party officials who will be responsible in giving work assignment, evaluate their performances, and issue a certification of training after the completion of job/ activity/ period of training;
5. The Second Party may provide the student-trainees with allowances and other benefits as the former deem it fit and necessary in accordance with existing labor laws and regulations (Optional);
6. The First Party shall conduct regular monitoring of student-trainees undergoing apprenticeship, evaluate the progress of their performances and other problems that may require immediate attention and follow up of the First Party;
7. The Second Party agrees to submit a report on the status or progress of performances of trainees to the Shipboard Training Officer during his/her visit to the company;
8. The student-trainees shall agree to observe the rules and regulations of the Second Party as well as to abide by the terms and conditions stipulated in this agreement;



- 9. The First Party shall check whether the requirements of the Second Party like the insurance coverage, parents waiver, medical certificates as well as other needed documents required by the Second Party are duly accomplished and to submit the same to the latter prior to the development of the student-trainees;
- 10. The Second Party shall be responsible to undertake the necessary orientation to the student-trainees on company policies, rules and regulations;
- 11. The Second Party shall have the right to relieve from their responsibility any student-trainee of the First Party who consistently infract company policies, office memorandum and other rules and regulations of the company provided the First Party is informed in writing beforehand of any misdemeanors by the student-trainee; and
- 12. The Second Party shall allow a number of Cadets from the First Party on board every vessel with specifications as stipulated on the attached list signed by the owner/representative.

IN WITNESS WHEREOF, we hereby hereunto affixed our signatures this ___ day of ___, 20___ at Zamboanga City, Philippines.

FIRST PARTY REPRESENTATIVE

SECOND PARTY REPRESENTATIVE


JAIME G. JALON, Ph.D.
President


FELICIANO A. TAN, JR.
Managing Director

Witnesses

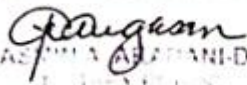

2/M NONITO G. GONZALES, Ed.D.
Deck Onboard Training Supervisor


3/E PORFERIO D. BENDEL, JR. MMM
Engine Onboard Training Supervisor

05 NOV 2019

SUBSCRIBED AND SWORN to before me this ___ day of ___, 20___, affiant exhibiting his/her Community Tax Certificate No. _____ issued at _____ on _____.

DOC NO. 106
PAGE 22
BOOK 59
SERIAL 2019


ATTY. HAZRINA ABU-ARANI-DUGASAN
UNIVERSITY OF ZAMBOANGA
NOTARIAL OFFICE - Zamboanga City
PTR No. 1549151
Date of Registration on 8-29-2012
MILE COMPLIANCE No. 0014566

Scanned Copy of the Memorandum of Agreement

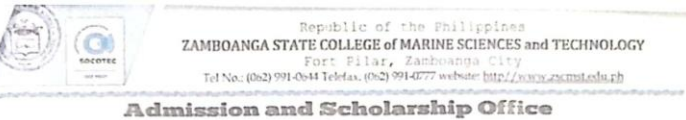
IV. Extracurricular Activities

The BSMARE Program includes the Career Campaign as an enriching extracurricular activity. Students from the program actively participate in this initiative by accompanying Admission Officers on visits to various schools. This involvement provides students with the opportunity to engage with prospective students, share their experiences, and promote maritime education.



The Vice President of Student Affairs, along with various program coordinators, including those from the BSMARE program, is leading the recent career visit to Surabaya National High School. This initiative provided an excellent opportunity to engage with aspiring students and offer insights into the diverse academic programs available at our college. Additionally, it facilitated the college admission test, allowing students to showcase their abilities and take the first step toward a promising academic journey. Watch highlights of the event on our official Facebook page: <https://fb.watch/ql3z8UAOJe/>

Sample List of participants of National High School of Surabaya who take the opportunities to enroll to Zamboanga State College of Marine Sciences and Technology.



May 21, 2024

DR. REY R. GUTIERREZ
Assistant Principal III
Surabaya National High School – SENIOR HIGH SCHOOL
Surabay R.T. Lim, Zamboanga Sibugay

Thru: **DARYL A. TOMBOC, RGC.**
Guidance Councilor II
Surabay National High School – SENIOR HIGH SCHOOL

Sir/Madam:

Greetings from the office of Admision and Scholarship office!

Forwarding to you the results of the following examinees (list attached) for College Admission Test (CAT) from Zamboanga State College of Marine Sciences and Technology (ZSCMST) conducted last March 8, 2024 in your school during the career guidance activity. Results further, of the individual examinees (applicants) are herewith forwarded.

Should there be any discrepancies on the details of the results, please let us updated anytime or you may email us at cas@zscmst.edu.ph.

Always being grateful for considering ZSCMST as part of their growth in the field of academe.

Thank you very much and God Bless.

Very respectfully yours,

REGAN C. SITOIY
Head, Admision and Scholarship Office

Noted:

RODERICK D. TRIO
Vice President for Student Affairs and Services

**Admision and Scholarship Office
ZSCMST COLLEGE ADMISSION TEST**

ZSCMST-2024-2025
Issued Date: 3/2024
Revision Date: May 2024

Date of Examination:
Building/Room Number:

Examinees Present: _____
Examinees Absent: _____
Examinees Late: _____
Examinees Walk-in: _____

EXAMINEES ATTENDANCE SHEET

Seat #	Examinee Number	NAME (Surname, Given Name, M.I.)	SIGNATURE	REMARKS (P/A)
1	2024090172	PADREQUILAGA, CHESTER MARK P.		
2	2024090568	YAPUA, LANCE ARNEL R.		
3	2024011183	CASPONS, MARK LAURENCE		
4	2024090870	Alcala, Jaido A.		
5	2024101284	AZUETO, JENNIFER P.		
6	2024041916	PEREZOSA, JEMUEL L.		
7	2024092607	Racho, Jason C.		
8	2024090576	Fritz, Patrick B Antib. D		
9	2024092215	Colte, Jerochi Stephen		
10	2024092800	Asplut, Samantha Ysa O.		
11	2024092770	Kutib, Mark Luis D.		
12	2024092927	EZEL, DANIELA		
13	2024093064	John Ralph B Antib		
14	2024093150	Kurtin S. Old		
15	2024093293	SERON, AND O. SIBANG III		
16	20240933150	Johnny N. Rivaldo Jr.		
17	20240933097	lovely Jean L. Becorte		
18	20240933276	Millares, Rene Mediano		
19	2024102200	Rovantad, Kristel Jane Azuelo		

REGAN C. SITOIY
Proctor's Signature Over Printed Name

16 May 2024

Admission and Scholarship Office
 Zamboanga State College of Marine Science and Technology
 Fort Pilar, Zamboanga City

Dear Ma'am/Sir:

Warm greetings!

ZSCMST conducted college admission test last March 8, 2024 at Surabaya National High School during our Career Fest 2024. With this, we would like to request your office to release the result of the College Admission Test of our students.

The following are the students who take the said exam.

- | | |
|-------------------------------|----------------------------------|
| 1. Jay T. Rivera | 25. Fitz Gerald V. Salani |
| 2. Mark Lawrence P. Pactol | 26. John Marie Mawa |
| 3. Jeffrey A. Jumawan | 27. Warren B. Opaon |
| 4. Rogenio L. Bezar | 28. Comarie D. Salas |
| 5. Jhonnel G. Manolong | 29. Brynt B. Garcia |
| 6. Joseph G. Abing | 30. Chester Hanz P. Padraquilega |
| 7. James A. Clorion | 31. Lance Arnel R. Yamuta |
| 8. Reyjane Vincent B. Rebalde | 32. Mark Laurence Casipong |
| 9. Ken E. Pelatos | 33. Juleyto A. Cahilig |
| 10. Kenneth Jay D. Parantar | 34. Jennifer P. Azuelo |
| 11. Angello M. Zapanta | 35. Saimantha Xyra C. Aggalut |
| 12. Jasper C. Racho | 36. Mark Luis B. Antib |
| 13. Jennifer P. Azuelo | 37. Earl A. Barrioga |
| 14. Jemuel L. Pedrigosa | 38. John Ralph B. Antib |
| 15. Fritz Patrick B. Antib | 39. Herlyn S. Oro |
| 16. Israeli Shekinah Galve | 40. Geronimo D. Embang III |
| 17. Kris Johnmer Recorte | 41. Johnny N. Ruado Jr. |
| 18. Junnifer A. Tijam | 42. Mary Joy Egot |
| 19. Michelle Anne M. Ruiz | 43. Izzy Rose D. Eras |
| 20. Cyper T. Calunsag | 44. Freisthine Faith H. Apo |
| 21. Ken V. Depaloma | 45. Give Heart A. Delos Santos |
| 22. Gerald Jay M. Edullantes | 46. Glenn Francis B. Molato |
| 23. Nial C. Barabajano | 47. Nilo C. Valenzuela |
| 24. Jhon B. Depalubos | 48. Jerson B. Bantog |

Address: Surabaya R. T. Lim, Zamboanga Sibugay
 Email Address: surabaynhsseniorhighschool@gmail.com



- | | |
|-------------------------------|-----------------------------|
| 49. Clifford Jake Velasco | 69. Kizzy Mier L. Landero |
| 50. Charlene R. Along | 70. Dhriel S. Today |
| 51. Mary Rose P. Rollon | 71. Mibbil Joy D. Canones |
| 52. Dory R. Tiwanac | 72. Frederick E. Lugatiman |
| 53. Dezzierhay Gay O. Basera | 73. Steven Jay R. Angas |
| 54. Ronzy C. Magbanua | 74. Jay-em G. Manolong |
| 55. Jean Mervin B. Bustamante | 75. Catherine C. Bicoy |
| 56. Alvin M. Banogbanog | 76. Gerald Daning |
| 57. Joedic Joshua G. Dagatan | 77. Rakael Faith R. Duran |
| 58. Princess Mabel C. Alde | 78. Jasmeen M. Alih |
| 59. Jeric Jethro G. Dagatan | 79. Joyren A. Caneta |
| 60. Bernalyn B. Enequilla | 80. Rico Andrei C. Salvador |
| 61. Karel L. Saldon | 81. Jhon Paul N. Ruiz |
| 62. Von Patrick A. Ceniza | 82. Josh Marvy Dacudao |
| 63. Laiza Joy A. Taruc | 83. Rene M. Millares |
| 64. Frinzen Xyrus O. Buot | 84. Lovely Jean Recorte |
| 65. Nellie S. Rojas | 85. Lovwin A. Bitoon |
| 66. Gilbert Adalim | 86. Baby Jeane Delacema |
| 67. Michael B. Guinilac | 87. Jomarie D. Salas |
| 68. Angel Grace C. Anamog | 88. Juiemhan Benigno |

If you have query, you may contact us on this number 0947-381-7875 or send us an email at daryl.tomboc@deped.gov.ph.

We are looking forward for your consideration.

Thank you very much.

Best Regards,

Daryl A. Tomboc
DARYL A. TOMBOC, RGC
 Guidance Counselor II

Approved:

Rey R. Gutierrez
REY R. GUTIERREZ, Ed.D
 Assistant Principal III

Address: Surabaya R. T. Lim, Zamboanga Sibugay
 Email Address: surabaynhsseniorhighschool@gmail.com



Republic of the PH
ZAMBOANGA STATE COLLEGE of MARIN
 Fort Pilar, Zambo.
 Tel No.: (062) 992-3092 Telefax: (062) 991-0777

TRANSM

Office: **ADMISSION AND SCHOLARSHIP OFFICE**

Date	Address
May 21, 2024	Daryl A. Tomboc
	Surabay National High School
	Surabay, RT Lim, Zamboanga Sibugay
	09473817875

LBC EXPRESS, INC. Customer's Copy
 BANGALANG CITY
 Tel No. (02) - 042 9391970
 Fax No. (02) - 849 0496/37

SHIPPER: **SITJOY, REGAN C**
 Address: **ADMISSION & SCHOLARSHIP OFFICE**
 ADDRESS CITY OF ZAMBOANGA ZAMBOANGA DEL SUR
 Contact No. 0491049637
 TIN: Bus Style: Email:

CONSIGNEE: **TOMBOC, DARYL A**
 And or/ each of /
 Address: **SURABAY NATIONAL HIGH SCHOOL SURABAY RT LIM ZAMBOANGA SIBUGAY SIBUGAY SIBUGAY**
 Contact No. 9473817875

1399 1252 0543

Courier N-Pouch XL
 Date: 05/22/2024 11:54:05 AM
 Origin: Zamboanga
 Destination: Manila
 Estimated Delivery: 02:00 PM
 Actual Del. Date: 02:00 PM

VATable(Freight): 151.75
 Insurance Fee: 15.00
 VAT-Export: 0.00
 VAT-Import: 0.00
 LBRN Pickup Fee: 0.00
 Total Salary: 151.75
 L24 VAT: 18.21
 Remount Due: 170.00
 Discount: 0.00
 Net: 170.00

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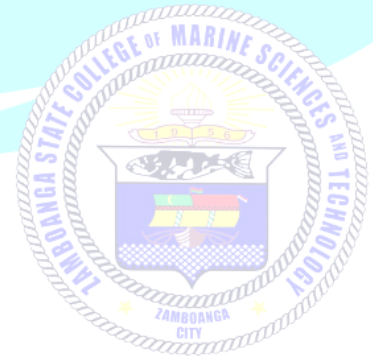
Signature of Shipper: *REGAN C. SITJOY*
 Signature of Recipient: *DARYL A. TOMBOC*

Prepared by: *REGAN C. SITJOY*
REGAN C. SITJOY
 HEAD, Admission and Scholarship Office

Noted: _____

Received by: _____
 Date: _____

Courier: *JESSA*
Quesada



Republic of the Philippines
ZAMBOANGA STATE COLLEGE of MARINE SCIENCES and TECHNOLOGY
 Fort Pilar, Zamboanga City
 Tel No.: (062) 991-0644 Telefax: (062) 991-0777 website: <http://www.zscmst.edu.ph>

ZSCMST-SAO-3.1.1-8 **Admission and Scholarship Office** **ZSCMST-SAO-3.10.2-1.5**
 Adopted Date: 1-2022
 Revision Date: 5-2015
 Revision Status: 6

COLLEGE ADMISSION TEST (CAT) RESULT OF RATING

Name of Examinee: **CASIPONG, MARK LAURENCE A.**
 (Surname, Given Name, M.I.)

Last School Attended: **SURABAY NATIONAL HIGH SCHOOL**

Raw Score	Preferred courses to enroll: (Your are Qualified for the Course w/ check indicated)	
55	<input checked="" type="checkbox"/> 1. BS Marine Transportation (BSMT)	<input checked="" type="checkbox"/> 12. BS Hospitality Management (BSHM)
	<input checked="" type="checkbox"/> 2. BS Marine Engineering (BSME)	<input checked="" type="checkbox"/> 13. BS Tourism Management (BSTM)
Percentage Equivalent	<input checked="" type="checkbox"/> 3. BS Marine Technology (BSMarTech)	<input checked="" type="checkbox"/> 14. BS Secondary Education (BSEd)
	<input checked="" type="checkbox"/> 4. BS Aquaculture (BSA)	Major: Sciences
72.92	<input checked="" type="checkbox"/> 5. BS Fisheries (BSF)	Filipino
	<input checked="" type="checkbox"/> 6. BS Food Technology (BSFT)	English
	<input checked="" type="checkbox"/> 7. BS Marine Biology (BSMB)	Math
	<input checked="" type="checkbox"/> 8. BS Environmental Science (BSES)	<input checked="" type="checkbox"/> 15. Bachelor in Technology and Livelihood Education (BTLed)
	<input checked="" type="checkbox"/> 9. BS FI Post-Harvest Technology (BSF-PHT)	ICT
	<input checked="" type="checkbox"/> 10. Diploma in Marine Electronics Communication Technology (DMLECT)	Agri-Fishery Arts
		Home Economics

CAME & CA-34

REGAN C. STROY
 Head, Admission and Scholarship Office

Zamboanga State College of Marine Sciences and Technology
Certificate of Registration

ZSCMST-3.4.1-1
 Adopted Date: 2005 Effectivity Date: 4-2015
 Revision Status: 1 Revision Date: 4-2014

Name (Family, Given, Middle): **CASIPONG, MARK LAURENCE (AUZA)** Semester / School Year: **1ST 2024-2025** Student Number: **2024011183**

Course: **BSMT** Major: **MARINE** College: **College of Maritime Education** Year Level: **1ST** Status: **New Freshmen**

Computer Code	Subject Title	DESCRIPTION	UNITS	TIME	DAYS	ROOM	INSTRUCTOR
124BSMT072	SEAM 1	SHIP_SHIP ROUTINES AND SHIP	3.00	1.00	01:00PM-04:00P	M	NAV 201
	(LAB)	SHIP_SHIP ROUTINES AND SHIP	0.00	0.00	01:00PM-04:00P	W	NAV 201
124BSMT186	NGEC11	ART AND HUMANITIES(INDIGENIOUS	3.00	0.00	09:00AM-10:00A	MWF	NAV 203
124BSMT196	NGEC9	MATH.SCIENCE AND TECHNOLOGY	3.00	0.00	08:00AM-09:00A	MWF	NAV 202
124BSMT397	NAV 1	NAVIGATIONAL INSTRUMENTS WITH	3.00	1.00	01:00PM-04:00P	T	NAV 201
	(LAB)	NAVIGATIONAL INSTRUMENTS WITH	0.00	0.00	01:00PM-04:00P	TH	NAV 201
124BSMT576	NSTP 1	NATIONAL SERVICE TRAINING	3.00	0.00	08:00AM-11:00A	SU	
124BSMT750	ICT	SOFTWARE APPLICATION AND	1.00	1.00	10:00AM-12:00P	T	ICT LAB
	(LAB)	SOFTWARE APPLICATION AND	0.00	0.00	10:00AM-12:00P	TH	ICT LAB
124BSMT853	PATHFIT 1	MOVEMENT COMPETENCY TRAINING	1.00	1.00	10:00AM-12:00P	W	
	(LAB)	MOVEMENT COMPETENCY TRAINING	0.00	0.00	01:00PM-03:00P	F	

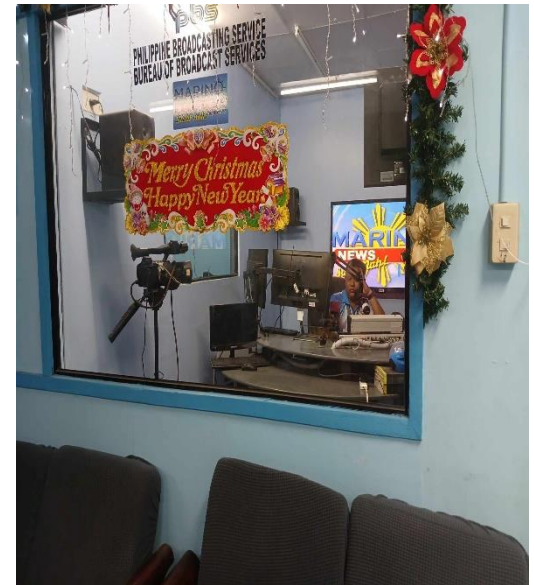
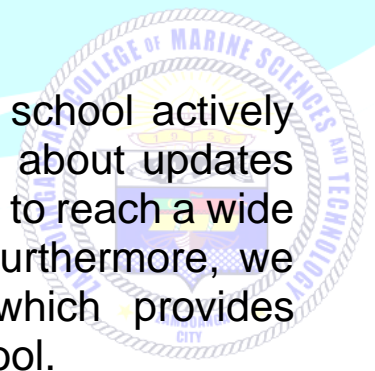
User Account/Password: **mcasipong717@gmail.com / 2024011183** Credited Units: **21.00 units**

Please logon to your account to verify the subjects enrolled and other information at www.zscmst.edu.ph

PRINTED BY: **enlist@registrar**
 DATE PRINTED: **08/05/2024**

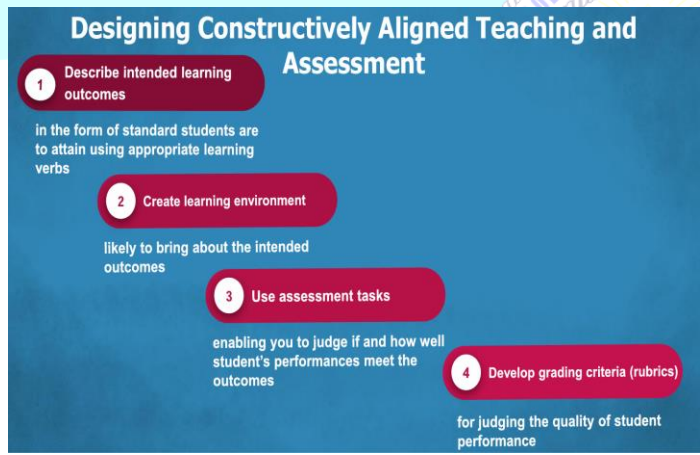
COLLEGE COPY

In addition to participating in career campaigns, our school actively engages with digital platforms to keep everyone informed about updates and new information. We utilize our official Facebook pages to reach a wide audience and share timely news and announcements. Furthermore, we have Marino News FM, a dedicated radio station, which provides comprehensive information and updates related to the school.



V. Faculty Development

In pursuit of achieving the Program Educational Objectives (PEOs), the institution facilitated the attendance of **BSMARE and BSMT faculty** at a **Training Workshop on Designing Assessment Tools for Measuring Learning Outcomes**. This workshop, held on July 27-28, 2022, in Ilo-Ilo City, was dedicated to enhancing the faculty's proficiency in developing effective assessment tools. By refining their ability to measure learning outcomes, the faculty can more accurately evaluate student performance and ensure alignment with the educational objectives.



(a) (b)
 Pictures A and B show snippets from the presentation by one of the presenters during the training workshop.






To ensure teachers are well-prepared to manage online classes, the institution conducted a Learning Management System (LMS) training for teachers to help them navigate the online tool for online teaching. This training aimed to equip faculty with the necessary skills and knowledge to effectively utilize the LMS, enhancing their ability to deliver quality education in a virtual environment.

IV. Infrastructure and Resources

The institution organized a meeting focused on strategizing and coordinating the return to face-to-face classes. This meeting aims to ensure health and safety protocols, scheduling, classroom setups, and logistics are effectively planned and implemented. Key discussions covered the adaptation of teaching methods, **resource allocation**, and contingency plans, ensuring a smooth transition and effective delivery of in-person education. The goal is to align all stakeholders on best practices and operational details to provide a safe and conducive learning environment for both students and faculty.

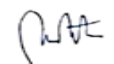


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 Fort Pilar, Zamboanga City
 Tel No. (062) 991-6644 Telefax (062) 991-6777 Website: http://www.zscmt.edu.ph

OFFICE OF THE VICE PRESIDENT FOR ACADEMIC AFFAIRS

Memorandum No. 046
Series of 2022

TO : COLLEGE DEANS
 DEAN, STUDENT AFFAIRS AND ACADEMIC SERVICES
 PROGRAM ADVISERS
 COORDINATOR, GRADUATE SCHOOL
 DIRECTOR, CENTER FOR CONTINUING EDUCATION

FROM : 
OLIVER D. TITO, Ph.D.
 Vice President for Academic Affairs

SUBJECT : EMERGENCY MEETING


DATE : August 5, 2022

You are hereby directed to attend the meeting this afternoon, August 5, 2022, 3:00 PM at the Conference Room to discuss matters related to the implementation of face-to-face classes for the first semester of the Academic Year 2022-2023. Other important agenda will also be discussed.

This memo is for your compliance.

Thank you and stay safe always.

(a) Screenshot photo of the Memorandum No. 046, s. 2022, addressed to people concern to discuss matters related to the implementation of face-to-face classes.


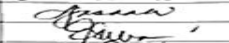
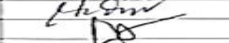
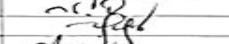
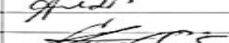
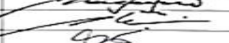
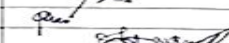
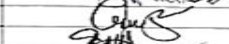

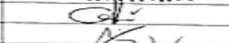
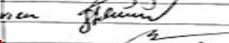



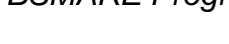










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OFFICE OF THE VICE PRESIDENT FOR ACADEMIC AFFAIRS

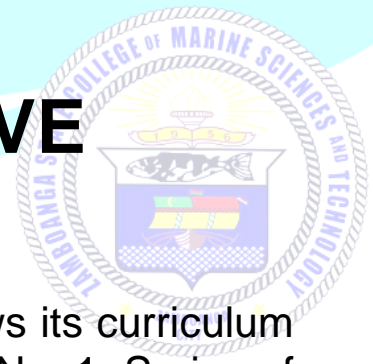
ATTENDANCE SHEET

Activity: Emergency Meeting
 Date & Time: August 05, 2022, 3:00 PM
 Venue: Conference Room

NAME	SIGNATURE
1. Victoria H. Karamlet	
2. DARNICA S. ANAAL	
3. CLARA E. SALAN	
4. Rachel D. Lawing	
5. ROBERTO N. TILLO	
6. DAVID A. OMBAD	
7. ANNE G. Ramos	
8. Alek G. Cantido	
9. ANIL P. GUN	
10. ANGELO C. MARASIO	
11. Rolando E. Ferrera	
12. ROSTA, ROSTANIE C.	
13. Alabara, Rochan R.	
14. CARPITO T. CASTRO	
15. CASIM, D. ALBANI	
16. ESPINA, JENUS CRISTOPAN M.	
17. LUMINTE, EDUARDO S.	
18. VERIBIO, DENISE E. COIC	
19. BUCAY, CARMEN S. (BUCED)	
20. Anicia, Joy Genina V.	
21. Jeanne Ann Daragan - OIC Siligao Prog. Admin	
22. DINAIRE B. JOYNER	
23. CHRISTIAN DR. CHONG	
24. OLIVER TITO	
25.	

(b) Attendance Sheet of the meeting, highlighting BSMARE Program Adviser.

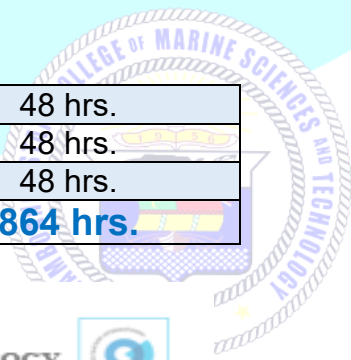
SYSTEMATIC & EFFECTIVE PROCEDURES



The College of Maritime Education (CME) diligently reviews its curriculum to ensure that the BSMARE Program aligns with JCMMC No. 1, Series of 2023. According to the guidelines, a graduate of the BSMARE Program should demonstrate competence in Marine Engineering, maintenance and repair, managing marine engineering systems, and ensuring the safety and operational efficiency of shipboard machinery under Table A-III/1.. Additionally, graduates should acquire knowledge and understanding as outlined under Table A-III/2 of the STCW Code, which are covered in this program under Annex A2.

In response to these requirements, the BSMT Program at ZSCMST offers a comprehensive curriculum of 864 hours. This includes Professional Courses, which encompass mechanical and electrical workshop skills training, as well as Onboard Training (OBT), Physical Fitness (Pathfit), the National Service Training Program (NSTP), and the General Education component under the new General Education Curriculum. This extensive curriculum ensures that students are well-equipped with the necessary skills and knowledge to meet industry standards and excel in their maritime careers.

Workshop Skills Training under BSMARE Program			
BSMARE Courses covering Workshop	Number of Units per Course	Computation of Laboratory Hours	Number of Laboratory Hours/Sem
ELECTRO 1	4	3 hrs./week	48 hrs.
ELECTRO 2	3	3 hrs./week	48 hrs.
ELECTRO 3	5	6 hrs./week	96 hrs.
MACH 1	2	3 hrs./week	48 hrs.
MACH 2	2	3 hrs./week	48 hrs.
MACH 3	2	3 hrs./week	48 hrs.
E MAT	4	3 hrs./week	48 hrs.
DRAW	1	3 hrs./week	48 hrs.
AUXMACH 1	5	6 hrs./week	96 hrs.
AUXMACH 2	5	3 hrs./week	48 hrs.
AUTO 1	4	3 hrs./week	48 hrs.
AUTO 2	4	3 hrs./week	48 hrs.
PPD	5	3 hrs./week	48 hrs.



PPS	6	3 hrs./week	48 hrs.
PASGT	3	3 hrs./week	48 hrs.
MAINT	3	3 hrs./week	48 hrs.
Total Workshop Skill Training Hours			864 hrs.



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ZAMBOANGA STATE COLLEGE OF MARINE SCIENCES AND TECHNOLOGY
 Fort Pilar, Zamboanga City 7000
 Tel No: (062) 991-0647; Telefax: (062) 991-0777 <http://www.zscmet.edu.ph> email: registrar@zscmet.edu.ph



JCMMC No. 1, Series of 2023
 BOT Resolution No. 67, Series of 2023

ZSCMET 14-29
 Adopted Date: Aug 2028
 Revision Status: 0



COLLEGE OF MARITIME EDUCATION
BACHELOR OF SCIENCE IN MARINE ENGINEERING
 (Effective SY 2023-2024)

FIRST YEAR (1st Semester)

Course Code	Course Description	Lec (hrs)	Lab (hrs)	Units	Pre/ Co-requisites
NGEC 9	Math, Science and Technology	3	0	3	
NGEC 8	Purposive Communication	3	0	3	
Mach 1	Hand and Measuring Tools	1	3	2	
Electro 1	Basic Electricity	3	3	4	
EMAT	Engineering Materials	4	0	4	
Chem	Industrial Chemistry and Tribology	2	3	3	
MATH	Basic Calculus	3	0	3	
NSTP1	National Service Training Program (NROTC 1)	3	0	3	
PATHRT 1	Movement Competency Training	1	3	2	
SIVS IMO	Ship's Management System per IMO Mission	3	0	3	
Total		26	12	30	
		38			

FIRST YEAR (2nd Semester)

Course Code	Course Description	Lec (hrs)	Lab (hrs)	Units	Pre/Co-requisites
Thermo	Thermodynamics	3	0	3	NGEC 9
Electro 2	Basic Electronics	2	3	3	Electro 1
NGEC 4	Mathematics in Modern World	3	0	3	
NGEC 1	Understanding the Self	3	0	3	
Mech	Mechanics and Hydromechanics	3	0	3	NGEC 9
Mach 2	Machining Tools	1	3	2	Engg & Mach 1
Draw	Maritime Drawing and Diagrams	0	3	1	
NSTP 2	National Service Training Program 2 (NROTC 2)	3	0	3	
PATHRT 2	Exercise-Based Fitness Activities	1	3	2	
SAS	Ship's Auditing System	3	0	3	
Total		22	12	26	
		34			

SECOND YEAR (1st Semester)

Course Code	Course Description	Lec (hrs)	Lab (hrs)	Units	Pre/Co-requisites
MACH 3	Gas & Electric Welding	1	3	2	Mach 1 Engg
Electro 3	Marine Electricity & Electrical Maintenance	3	6	5	Electro 2
Aux Mach 1	Auxiliary Machinery	3	6	5	Thermodynamics Mech. Mach & Mach 1
Auto 1	Basic Control engineering	3	3	4	Electro 2, Mech
NGEC 3	The Contemporary World	3	0	3	
NGEC 7	Science, technology and society	3	0	3	
PATHRT 3	Basic Swimming	1	3	2	PATHRT 1 & 2
Mach 1+	Catch-up Course in Hand and Measuring Tools		1	1	
Mach 2+	Catch-up Course in Machining Tools		1	1	
Electro 1+	Catch-up Course in Basic Electricity		1	1	
Total		17	24	27	
		41			

SECOND YEAR (2nd Semester)

Course Code	Course Description	Lec (hrs)	Lab (hrs)	Units	Pre/Co-requisites
AUTO 2	Marine Automation	3	3	4	Auto 1
Aux Mach 2	Auxiliary Machinery 2	4	3	5	Aux Mach 1, Electro 3
Nav Arch	Naval Architecture for Marine Engineering	2	0	2	NGEC 9
PATHRT 4	Advance Swimming	1	3	2	PATHRT 3
Mar Env	Protection of Marine Environment	3	0	3	
MARLAW	Maritime Legislators	4	0	4	



Course Code	Course Description	Lec (hrs)	Lab (hrs)	Units	Pre/Co-requisites
ICT	Software Application and Network System used in Seagoing ships	1	3	2	
ICT+	Catch-Up Course in ICT	1	3	2	
ICheat	Catch-Up Course in ICheat	3	0	3	
Thermo+	Catch-Up Course in Thermodynamics	1		1	
Mech+	Catch-Up Course in Mechanics	1		1	
Draw+	Catch-Up Course in Maritime Drawing & Diagrams		1	1	
EMAT+	Catch-Up Course in Engineering Materials	1		1	
	Total	25	16	31	
			41		

THIRD YEAR (1st Semester)

Course Code	Course Description	Lec (hrs)	Lab (hrs)	Units	Pre/Co-requisites
NGEC 10	Social sciences & Philosophy	3	0	3	
PPD	Power Plant Diesel	4	3	5	Sw/Mach 1, Auto, Thermo
PASGT	Propulsion Ancillary Systems & Gas Turbine	2	3	3	Sw/Mach 1, Auto, Thermo
PPS	Power Plant steam	5	3	6	Sw/Mach 1, Auto, Thermo
MGMT	Leadership and Teamwork	3	0	3	
	Total	17	9	20	
			26		

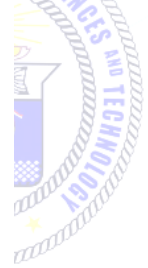
THIRD YEAR (2nd Semester)

Course Code	Course Description	Lec (hrs)	Lab (hrs)	Units	Pre/Co-requisites
					Aux/Mach2, PPD, PPS, PASGT, Mach2&3,
Maint	Maintenance and Repair	2	3	3	Mach1
NGEC 6	Art Appreciation	3	0	3	None
					Sw/Mach1, Mach2, Mach3, PPD, PPS, PASGT, MGMT
EW/Watch	Engine Watch keeping	3	3	4	
Rizal	The Life and Works of Dr. Jose Rizal	3	0	3	
NGEC 2	Readings in Philippine History	3	0	3	
NGEC 11	Arts and Humanities	3	0	3	
NGEC 8	Ethics	3	0	3	
	Total	20	6	22	
			26		

FOURTH YEAR (1st Semester)

Course Code	Course Description	Lec (hrs)	Lab (hrs)	Units	Pre/Co-requisites
BT	Basic Training				
SDSD	Ship Security Awareness Training and Seafarers with Designated Security Duties				
OBT	Onboard Training			40	BT, SDSD
	Total			40	





SUMMARY

Courses	CHED Minimum Requirement (Total No. of Units)	ZSCMST Bachelor of Science in Marine Engineering (Total No. of Units)
General Education Courses	33	33
Professional Courses	85	85
Institutional Courses	-	3
Mandated Courses	17	17
Elective Professional Courses*	6	6
Catch Up Courses**	12	12
OBT	40	40
TOTAL	193	196

CATCH-UP COURSES SUMMARY

	Course Code	Course Description	Lec (hrs)	Lab (hrs)	Units	Pre/Co-requisites
1	CUC-Mach 1	Catch-up Course in Machine Shop 1	-	1	1	
2	CUC-Mach 2	Catch-up Course in Machine Shop 2	-	1	1	
3	CUC-Electro 1	Catch-up Course in Basic Electricity	-	1	1	
4	CUC-Chem	Catch-Up Course in Chem	3	0	3	
5	CUC-ICT	Catch-Up Course in ICT	1	3	2	
6	CUC-Therma	Catch-Up Course in Thermodynamics	1	-	1	
7	CUC-Mech	Catch-Up Course in Mechanics & Hydromechanics	1	-	1	
8	CUC-Draw	Catch-Up Course in Maritime Drawing & Diagrams	-	1	1	
9	CUC-EMAT	Catch-Up Course in Engineering Materials	1	-	1	
		Total	7	7	12	
			14			

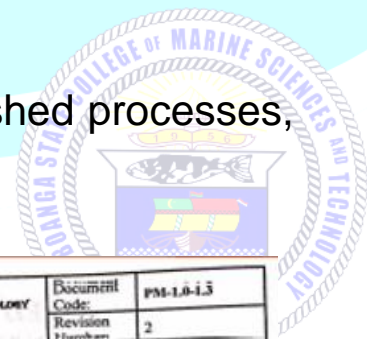
NOTE:

* Elective Professional Courses are two (2) courses chosen by the college from a list of recommended elective professional courses in the JCNVIC No. 1 Series of 2023. These are (1) SMS IMO - Ship's Management System per IMO Mission and (2) SAS - Ship's Auditing System

** Catch-Up Courses (CUC+) are to be given to the students who were enrolled following JCMCC No. 1, Series of 2022 only.

The image above is a scanned copy of the recent BSMARE Prospectus, highlighting the courses that include Workshop Skills Training.

The curriculum review follows the institution's established processes, as depicted in the image below.



Republic of the Philippines ZAMBOANGA STATE COLLEGE OF MARINE SCIENCES AND TECHNOLOGY Fort Pilar, Zamboanga City PROCEDURES MANUAL		Document Code: PM-1.0-1.3 Revision Number: 2
SECTION	ACADEMIC/INSTITUTIONAL PROCESSES	Effectivity Date: June 2019
SUBJECT	CURRICULUM REVIEW AND DESIGN	

Page 1 of 3

Republic of the Philippines ZAMBOANGA STATE COLLEGE OF MARINE SCIENCES AND TECHNOLOGY Fort Pilar, Zamboanga City PROCEDURES MANUAL		Document Code: PM-1.0-1.3 Revision Number: 2
SECTION	ACADEMIC/INSTITUTIONAL PROCESSES	Effectivity Date: June 2019
SUBJECT	CURRICULUM REVIEW AND DESIGN	

Page 2 of 3

OBJECTIVE

Ensure that academic curricula are attuned to the demands of the students and requirements of the industry/ employers through continuous academic review, verification, validation and approval by the Academic Council and the College Board of Trustees.

SCOPE

This procedure defines the actions and responsibilities of the College President, Vice-President for Academic Affairs, College Deans, CRD Committees in the curriculum review and design process.

DEFINITION OF TERMS

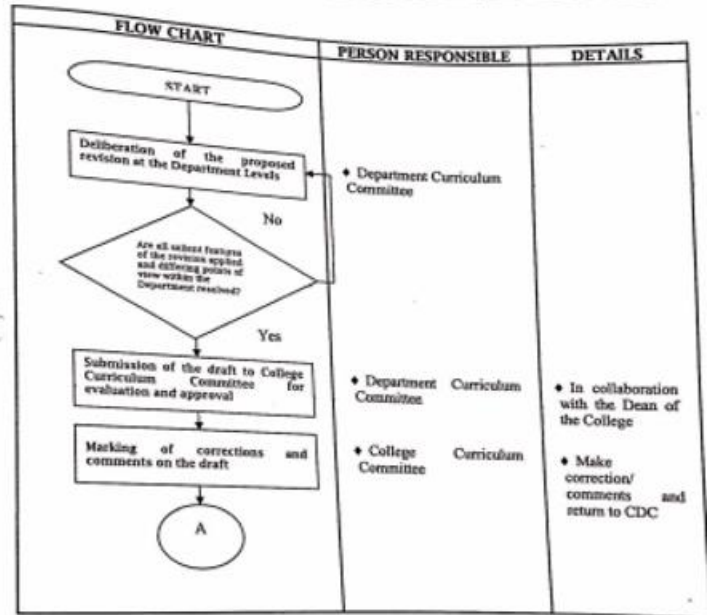
- ◆ VPAA – Vice President for Academic Affairs
- ◆ CRD – Curriculum Review and Design

REFERENCES

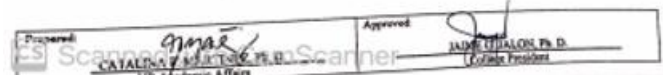
- ◆ CHED Memorandum/ orders and circulars
- ◆ STCW 1978 as amended
- ◆ ZSCMST Policies and Guidelines on Curriculum Design and Revision

RECORDS

- ◆ Instructor's Guide (IG)
- ◆ Course Syllabus
- ◆ Records of Curriculum Review



(a)

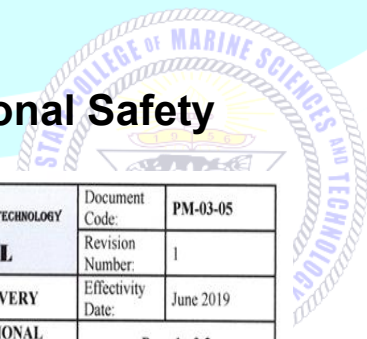



(b)


Pictures (a) and (b) shows the process flow for Curriculum Review.

To ensure the smooth delivery of instruction, the institution has established processes and policies, as illustrated below. These measures are designed to uphold the quality of education, facilitate effective teaching, and support both faculty and students in achieving academic excellence.

Process Flow for Supervision of Student's Operational Safety



 Republic of the Philippines ZAMBOANGA STATE COLLEGE OF MARINE SCIENCES AND TECHNOLOGY Fort Pilar, Zamboanga City PROCEDURES MANUAL	Document Code:	PM-03-05
	Revision Number:	1
SECTION	TEACHING METHOD/ MEDIA OF DELIVERY	Effectivity Date: June 2019
SUBJECT	SUPERVISION OF STUDENT'S OPERATIONAL SAFETY	Page 2 of 2

 Republic of the Philippines ZAMBOANGA STATE COLLEGE OF MARINE SCIENCES AND TECHNOLOGY Fort Pilar, Zamboanga City PROCEDURES MANUAL	Document Code:	PM-03-05
	Revision Number:	1
SECTION	TEACHING METHOD/ MEDIA OF DELIVERY	Effectivity Date: June 2019
SUBJECT	SUPERVISION OF STUDENT'S OPERATIONAL SAFETY	Page 1 of 2

FLOWCHART	PERSON RESPONSIBLE	DETAILS
START		
Conducts Operational Safety Orientation	♦ Faculty member concerned	♦ Faculty member concerned orients the students on operational safety in using laboratory and laboratory equipment before the start of laboratory work
Determines the number of students to use the laboratory	♦ Faculty member concerned	♦ Faculty member concerned shall determine the number of students to use the laboratory based on the carrying capacity
Supervises the students in the laboratory room	♦ Faculty member concerned	♦ Students are required to log-in on the Logbook before utilization of equipment
Supervises/facilitates the laboratory activity	♦ Faculty member concerned	♦ Faculty concern supervises all the laboratory activities of students ♦ Check orderliness of the laboratory room after the activity
END		

OBJECTIVE

Guide students on the proper use of Laboratory facilities for safety reasons.

SCOPE

Defines the tasks of the instructor/faculty in-charge of a laboratory activity.

DEFINITION OF TERMS

♦ Safety operations-protocol to be observed when undertaking laboratory or practical work to ensure safety.

REFERENCES

♦ Laboratory Manual

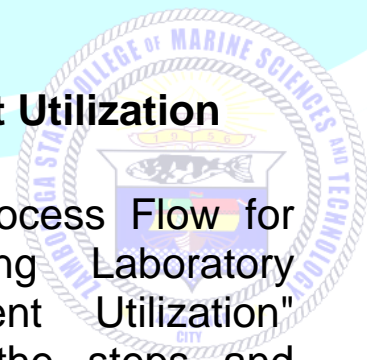
RECORDS


♦ Laboratory Activity
♦ Laboratory Logbook

The "Process Flow for Supervision of Student's Operational Safety" outlines the systematic procedures and protocols implemented to ensure the safety of students during operational activities. This process includes steps for

monitoring, evaluating, and managing potential risks associated with student operations. By following these established guidelines, the institution aims to create a secure environment that minimizes hazards and promotes the well-being of all students engaged in practical training and other operational tasks.

Process Flow for Monitoring Laboratory Equipment Utilization



	Republic of the Philippines ZAMBOANGA STATE COLLEGE OF MARINE SCIENCES AND TECHNOLOGY First Floor, Zamboanga City PROCEDURES MANUAL	Document Code: PM-03-04
		Revision Number: 1
SECTION	TEACHING METHOD/ MEDIA OF DELIVERY	Effectivity Date: June 2019
SUBJECT	MONITORING LABORATORY EQUIPMENT UTILIZATION	Page 1 of 2

OBJECTIVE

To ascertain that laboratory, machine shop, and other workshop equipment are properly utilized/used by the students during classes. Further, all students are given the chance to handle the needed equipment.

SCOPE

Defines the responsibilities of the Dean, Program Advisers, Department Chairperson and Faculty regarding the utilization of laboratory equipment.

DEFINITION OF TERMS

- PA - Program Adviser
- DC - Department Chairperson

REFERENCES

- Inventory of Laboratory Equipment

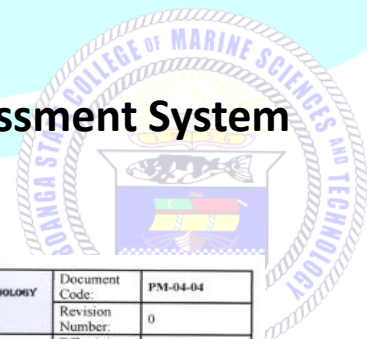
RECORDS

- Summary of subject/courses with laboratory
- Status (condition) report of Laboratory Equipment

The "Process Flow for Monitoring Laboratory Equipment Utilization" details the steps and protocols for tracking the use and maintenance of laboratory equipment. This process ensures that all equipment is used efficiently, maintained regularly, and any issues are promptly addressed. By following this flow, the institution aims to optimize the lifespan and performance of laboratory tools, ensuring they are always in good working condition for educational and research purposes. This contributes to a safe and productive laboratory environment for both students and faculty.

Prepared:  OLIVER D. TITO, Ph. D. VP-Academic Affairs	Approved:  JAIME G. JALON, Ph. D. College President
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environment for both students and faculty.



Process Flow for Supervision of Examination and Assessment System Removal Examination/ Re-Sit

Republic of the Philippines ZAMBOANGA STATE COLLEGE OF MARINE SCIENCES AND TECHNOLOGY Fort Pilar, Zamboanga City PROCEDURES MANUAL		Document Code: PM-04-01
SECTION: EXAMINATION AND ASSESSMENT SYSTEM		Revision Number: 1
SUBJECT: ASSESSMENT OF LEARNING		Effectivity Date: October 2019
Page 1 of 6		

ASSESSMENT OF LEARNING

A. Preparation of TOS and Test Papers

OBJECTIVE

Ensure that student's academic performances are rated in accordance with institutional student performance parameters and rating scale.

SCOPE

- Summative Assessment
- Formative Assessment

The MHEI uses summative assessment of learning to evaluate at the end of an instructional unit by comparing it against same standard or benchmark

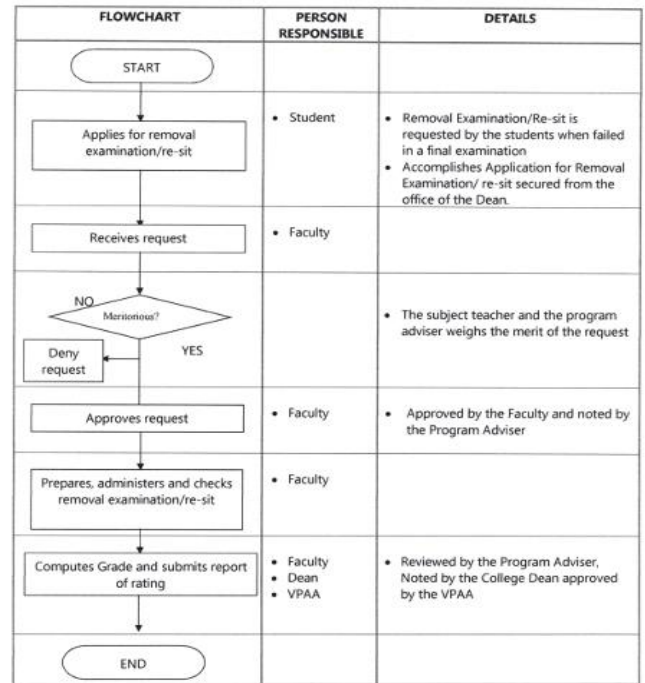
The said assessment could be the midterm examination, a final project and/or a term paper among others. Further, the summative assessment can be used as a formative assessment if the faculty uses it as guide for course activities in the succeeding course.

Formative assessment is use as an in-process evaluation/ assessment to help the faculty identify concepts or areas in the course where the students have difficulty in achieving, so that the faculty could make appropriate adjustments to the lessons and teaching strategies or he/she could even use alternative teaching strategies to help students .

DEFINITION OF TERMS

- ◆ TOS - tool used to ensure that an assessment/test measures the content and thinking skills that the test intend to measure
- ◆ ASSESSOR – assess candidates' performance and/or related knowledge in a range of tasks and to ensure that the competence and/or knowledge demonstrated meets the requirements of the standards and learning objectives
- ◆ INVIGILATORS – faculty who administers/ supervises the examination (CME) to maintain proper conduct of the examination
- ◆ FORMATIVE ASSESSMENT - refers to all methods that an instructor uses to conduct in-process evaluations of students' comprehension, learning needs and academic progress during a lesson or unit. The purpose of this assessment is to improve instruction and student learning. Formative assessments are aligned with the content covered. Examples of these are Quizzes, Quick Projects, Exercises, and Think-pair-share and other methods as deem appropriate by the instructor.

Republic of the Philippines ZAMBOANGA STATE COLLEGE OF MARINE SCIENCES AND TECHNOLOGY Fort Pilar, Zamboanga City PROCEDURES MANUAL		Document Code: PM-04-04
SECTION: EXAMINATION AND ASSESSMENT SYSTEM		Revision Number: 0
SUBJECT: REMOVAL EXAMINATION/ RE-SIT		Effectivity Date: September 2012
Page 2 of 2		



Prepared: **OLIVER D. TITO, Ph. D.**
V.D. & Assessment & Plans

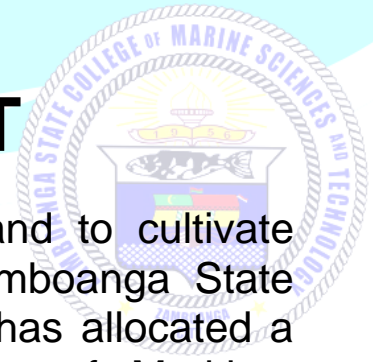
Approved: **JAIME G. JALON, Ph. D.**
College President

Prepared: **OLIVER D. TITO, Ph. D.**
VP-Academic Affairs

Approved: **JAIME G. JALON, Ph. D.**
College President

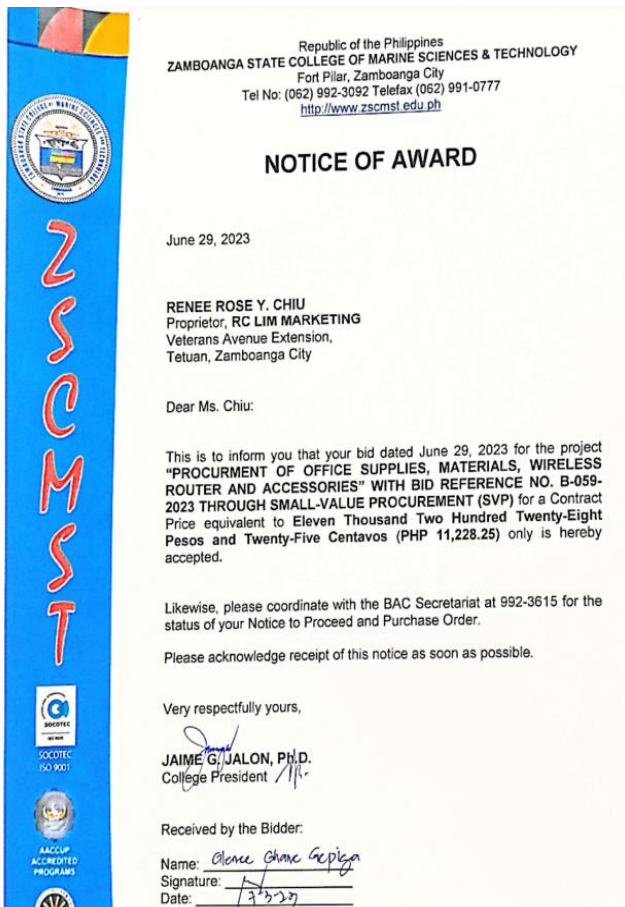
The "Process Flow for Supervision of Examination and Assessment System: Removal Examination/Re-Sit" outlines the procedures and guidelines for managing and overseeing the conduct of removal examinations or re-sits. This process includes the scheduling of re-examinations, criteria for student eligibility, supervision protocols, and methods for ensuring the integrity and fairness of the assessment. By adhering to this structured approach, the institution ensures that all re-sit examinations are conducted smoothly, transparently, and in accordance with academic standards, providing students with a fair opportunity to demonstrate their competencies.

REASONABLE BUDGET



To ensure the delivery of high-quality education and to cultivate graduates who excel in their maritime careers, the Zamboanga State College of Marine Sciences and Technology (ZSCMST) has allocated a reasonable and well-structured budget for the College of Maritime Education (CME). This financial commitment reflects the institution's dedication to providing the necessary resources, facilities, and support systems required for an outstanding educational experience. By investing in CME, ZSCMST aims to uphold its standards of excellence and continuously improve the academic and practical training programs offered to its students.

A significant percentage of this budget is dedicated to upgrading and enhancing facilities. This investment ensures that students have access to state-of-the-art equipment, modern classrooms, advanced simulators, and well-maintained laboratories.



The image on the left displays the Notice of Award for the purchase of a wireless router, totaling Php 11,228.22. This investment aims to enhance online classes and other educational services, ensuring robust connectivity and uninterrupted access to digital learning resources. This purchase significantly enhances the students' learning experience by providing reliable and robust internet connectivity. Moreover, a stable internet connection supports various educational services, such as virtual labs, online assessments, and research activities.



In addition, there is allotted amount of Php 15,000,000.00 for the upgrading of the Maritime Education Laboratories and Equipment to further enhance the quality education and training provided to students.

ZAMBOANGA STATE COLLEGE OF MARINE SCIENCES AND TECHNOLOGY													
INDICATIVE Annual Procurement Plan-NON-CSE for FY 2024 (BASED ON NEP DUMP PRINT FY 2024)													
Code (PAP)	Procurement Project	PMO/ End-User	Is this an Early Procurement Activity? (Yes/No)	Mode of Procurement	Schedule for Each Procurement Activity				Source of Funds	Estimated Budget (PhP)			Remarks (brief description of Project)
					Advertisement/ Posting of IB/REI	Submission/ Opening of Bids	Notice of Award	Contract Signing		Total	MOOE	CO	
SUBSCRIPTION EXPENSE													
	Domain Name Renewal / Registration ONE (1) year Subscription - zscmst.edu.ph	College Database Center	No	DIRECT CONTRACTING	12-Jan-24	--	--	--	FUND 101 - NEP FY 2024	3,500.00	3,500.00		16,500.00
	ZOOM Business Subscription Twelve (12) months	College Database Center	No	NP- 59.3 Small Value Procurement	12-Jan-24	--	--	--	FUND 101 - NEP FY 2024	13,000.00	13,000.00		
MOTOR VEHICLES													
	Re-Fleeting of Motor Vehicles (Mini-Bus, Pick-up, & Passenger Van)	Motorpool	Yes	Competitive Bidding	2-Oct-23	16-Oct-23	23-Oct-23	30-Oct-23	FUND 101 - NEP FY 2024	9,500,000.00		9,500,000.00	
	Procurement of Research Utility Vessels	Administrative Office	Yes	Competitive Bidding	2-Oct-23	16-Oct-23	23-Oct-23	30-Oct-23	FUND 101 - NEP FY 2024	10,000,000.00		10,000,000.00	
OTHER MACHINERY & EQUIPMENT													
	Procurement of Technical Equipment for the Conversion and upgrading of Fisheries Laboratory into Molecular laboratory	CFMS	Yes	Competitive Bidding	2-Oct-23	16-Oct-23	23-Oct-23	30-Oct-23	FUND 101 - NEP FY 2024	15,000,000.00		15,000,000.00	
	Upgrading of the Maritime Education Laboratories and Equipment	CME	Yes	Competitive Bidding	2-Oct-23	16-Oct-23	23-Oct-23	30-Oct-23	FUND 101 - NEP FY 2024	15,000,000.00		15,000,000.00	
Total										58,523,600.00	9,023,600.00	49,500,000.00	58,523,600.00
Mandatory Reserve (10%)										5,852,360.00	902,360.00	4,950,000.00	5,852,360.00
Grand Total										64,375,960.00	9,925,960.00	54,450,000.00	64,375,960.00

Certified Funds Available:

FUNDING SOURCE:	
FUND 101 - NEP FY 2024	58,523,600.00
FUND 101 - CONTINUING	-
DOST - FIC	-
CHED-Funds	-
STF - TUITION & OTHER FEES	-
STF - FIDUCIARY	-
IGP - FOOD	-
TOTAL	58,523,600.00

Mark James A. Alba
MARK JAMES A. ALBA
 Budget Officer

Eric S. Villanueva
ERIC S. VILLANUEVA, CPA
 College Accountant

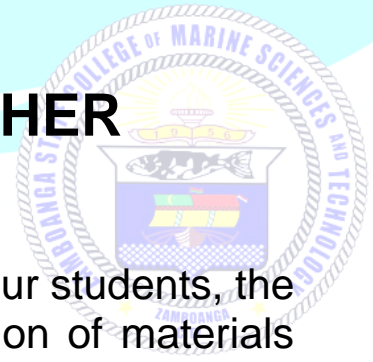
Recommending Approval:

ALVIN C. REYES, RN, Ed.D.
 Vice President for Administration and Finance

Approved by:

Jaime G. Jalon
JAIME G. JALON, Ph.D.
 College President

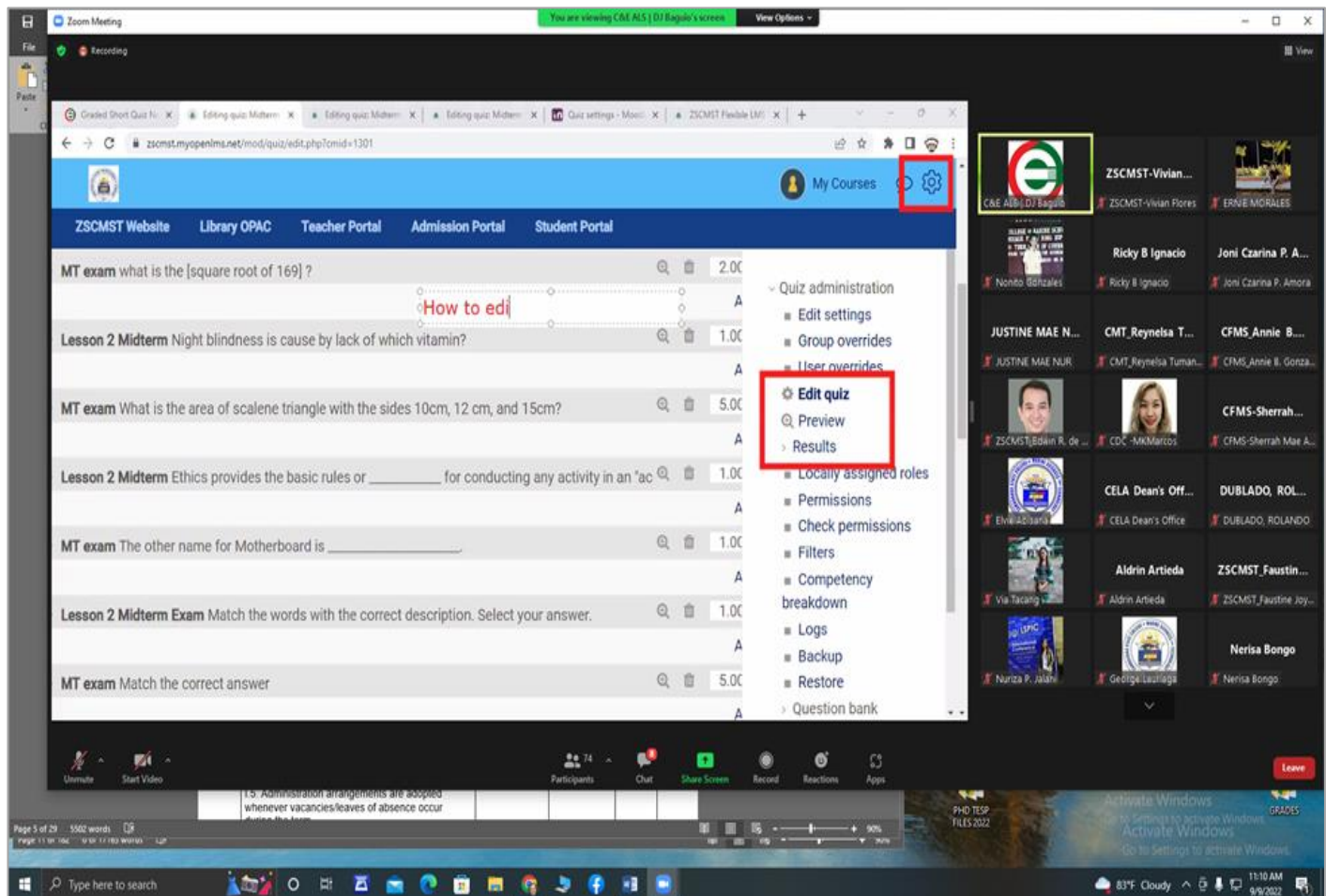
PROVISION OF MATERIALS & OTHER RESOURCES

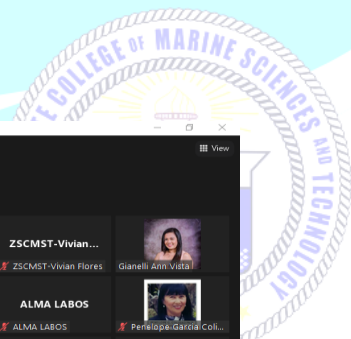


To support the comprehensive educational needs of our students, the institution has made significant investments in the provision of materials and other resources. This includes ensuring access to essential equipment, up-to-date learning materials, and state-of-the-art facilities.

Learning Management System

The Data Based Center has trained faculty on the utilization of the LMS for teaching and learning delivery not only for synchronous or asynchronous classes but the system is as well ideal for face-to-face classes where integration of technology is very much needed to facilitate teaching and learning process. Below is a sample of the training that was conducted for faculty to include the faculty of BSMARE.





Zoom Meeting
Recording
You are viewing C&E AIS | DJ Bagulo's screen
View Options

ZSCMST Website Library OPAC Teacher Portal Admission Portal Student Portal

Courses

Manage courses

Search courses Go

Expand all

- CELA
- CME
- CMFS
- Graduate Studies
- LMS Training

Add a new course

Participants: 75
Chat Share Screen Record Reactions Apps

2:37 PM 9/9/2022

C&E AIS DJ Bagulo	ZSCMST-Vivian...	Gianelli Ann Vida
CDC -MKMarcos	ALMA LABOS	Perlepa Garcia Col...
Joni Czarina P. A...	CFMS Annie B. ...	ZSCMST Edwin R. de ...
CFMS-Sherrah...	Aldrin Artieda	Nerisa Bongo
ZSCMST-Arnel S. ...	Aldrin Artieda	Nerisa Bongo
ZSCMST-Arnel S. Eng...	Apila Tuandatu	Raneza Roldan
CFMS-PALMA BONAVIE J.	CDC-ARIEL	BEN Haili
DUBLADO, ROL...	ZSCMST Tubat, ...	CFMS-Dewi Tin...
ALBAR U. IKIRAM	ZSCMST Zambo...	ZSCMST Zamboanga City

Zoom Meeting
Recording
You are viewing C&E AIS | DJ Bagulo's screen
View Options

Course: General Biology Set C
zscmst.myopenims.net/course/view.php?id=179

General Biology Set C

Introduction

Welcome to your new course Teacher Demo.
Start by describing what your course is about using text, images, audio & video.

Edit section

OPEN FORUM

Announcements

Unenrol me from GBSC
Filters
Report and look for
Gradebook
Badges
Backup
Restore
Import
Copy course
Reset
Question bank
Accessibility toolkit
Recycle bin
Centralized content management
Open Grader
Open Reports

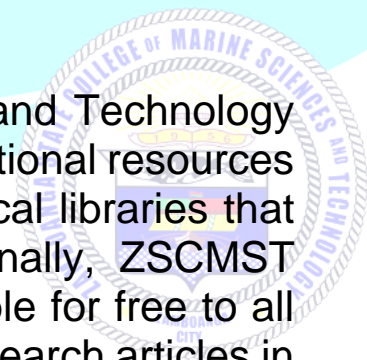
How to copy resources from one course/subject to another

2nd
3rd

Participants: 80
Chat Share Screen Record Reactions Apps

2:30 PM 9/9/2022

C&E AIS DJ Bagulo	ZSCMST-Vivian...	Gianelli Ann Vida
CDC -MKMarcos	Nondo Gorilakes	CDC-PELE FLORES
ALMA LABOS	Joni Czarina P. A...	CFMS Annie B. ...
ALMA LABOS	Joni Czarina P. Amora	CFMS Annie B. Gorza...
Joni Czarina P. A...	CFMS-Sherrah...	Aldrin Artieda
ZSCMST Edwin R. de ...	CFMS-Sherrah Mae A...	Aldrin Artieda
Nerisa Bongo	ZSCMST-Arnel S. ...	Apila Tuandatu
Nerisa Bongo	ZSCMST-Arnel S. Eng...	Apila Tuandatu
Raneza Roldan	CFMS-PALMA BONAVIE J.	CDC-ARIEL
BEN Haili	DUBLADO, ROL...	ZSCMST Tubat, ...
DUBLADO, ROLANDO	DUBLADO, ROLANDO	ZSCMST Tubat, Macri...
CFMS-Dewi Tin...	ALBAR U. IKIRAM	ZSCMST Zambo...
CFMS-Dewi Tingkahan	ALBAR U. IKIRAM	Angieca Bulan




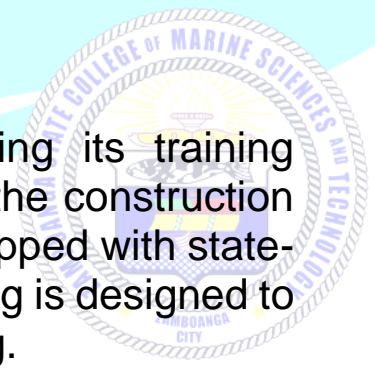
The Zamboanga State College of Marine Sciences and Technology (ZSCMST) is committed to providing comprehensive educational resources to its students. The institution boasts well-equipped physical libraries that offer up-to-date books in marine transportation. Additionally, ZSCMST provides access to an e-library, **MyLOFT**, which is available for free to all bona fide students. MyLOFT offers the latest books and research articles in specific fields, ensuring that students have access to a wide range of high-quality academic materials. This dual approach of combining physical and digital resources ensures that students can effectively support their studies and research, enhancing their overall learning experience.

The poster is titled "Accessing your Library eResources using MyLOFT" and is for a "MyLOFT User Training Session". It includes a table with details about the session and a download link for a poster.

Training Session Friday, 5th August. 3:00 pm onwards	Venue Join Zoom Meeting Link: https://bit.ly/3otPB18
Registration Link:	Provided *Certificate of

Monthly-User Training Sessions Poster August.pdf
115.53 KB

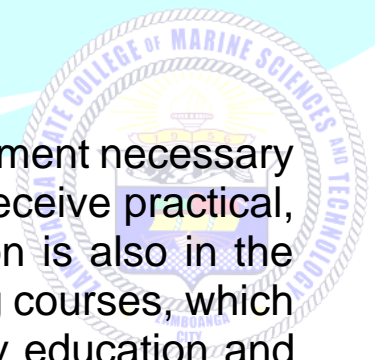




ZSCMST has made significant strides in enhancing its training infrastructure. The institution has successfully completed the construction of the SOLAS (Safety of Life at Sea) building, which is equipped with state-of-the-art facilities, including a smoke chamber. This building is designed to meet the stringent requirements for maritime safety training.



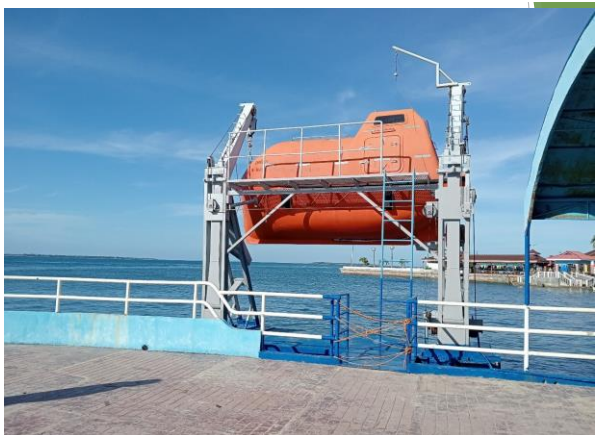
Pictures of the ZSCMST SOLAS TRAINING CENTER



In addition, ZSCMST has acquired the minimum equipment necessary to comply with SOLAS standards, ensuring that students receive practical, hands-on training in a realistic environment. The institution is also in the process of applying for accreditation for its maritime training courses, which will further solidify its commitment to providing high-quality education and training in the maritime field.



Moreover, several key pieces of equipment have been upgraded to enhance the overall training experience. This includes the lifeboat, steam boiler, steam turbine, and refrigerators. These upgrades ensure that students have access to modern, reliable equipment that mirrors what they will encounter in their professional careers.



(a) ZSCMST Lifeboat



(b) Engine Simulator capable of integration with bridge simulator



(c) Engine Simulator



(d) ICT Laboratories



(d) Machine Shop Laboratory



(e) Main Engine



(f) Steam Boiler, Steam Turbine, Refrigeration

PARTICIPATION OF SIGNIFICANT NUMBER OF FACULTY/ STAFF/ STUDENTS/COMMUNITIES IN MAJOR PROJECTS/ACTIVITIES



Basic Training of Faculty and students at PNTC Training Center



CME faculties (From left to right) 3/E Ivan Jude P. Martinez, 2/M Risil O. Ybera, and 3/E Jayvin G. Alviar during the Basic Training at the PNTC Training Center.

The Zamboanga State College of Marine Sciences and Technology (ZSCMST) is committed to ensuring that its faculty members are well-equipped with the latest knowledge and skills in maritime education. Recently, three of our esteemed faculty members underwent Basic Training at the PNTC Training Center:



- 3/E Jayvin G. Alviar
- 3/E Ivan Jude P. Martinez
- 2/M Risil O. Ybera

This training is crucial for enhancing their competencies and ensuring they are up-to-date with current maritime standards and practices. Their enhanced expertise will significantly benefit our students, as these faculty members bring back advanced knowledge and practical skills to the classroom, further enriching the learning experience at ZSCMST.



SOLAS Training @ PNTC College, Tanza, Cavite

January 25, 2024 | Uncategorized

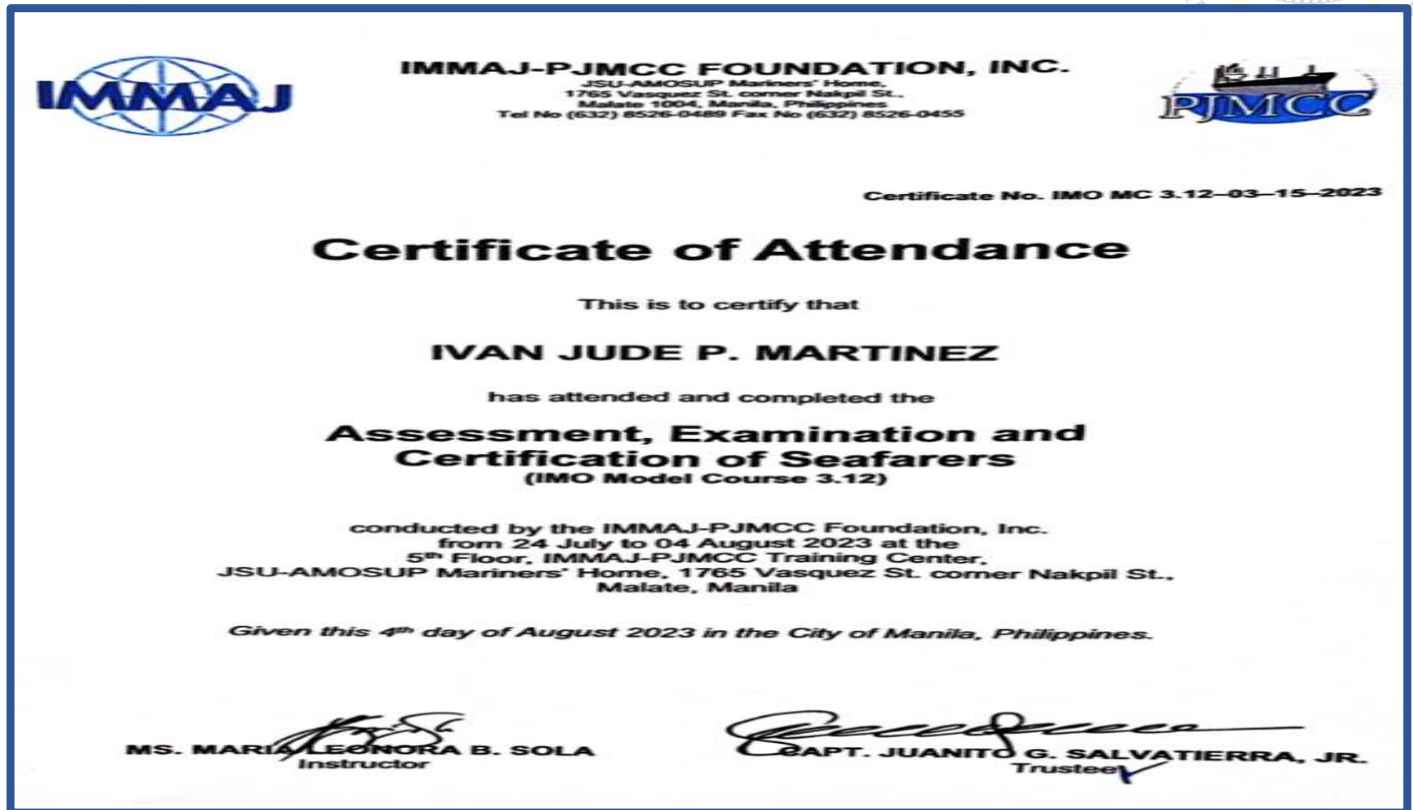
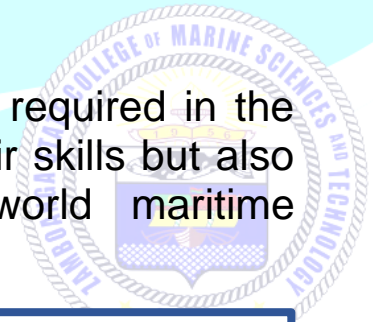
Students from the Zamboanga State College of Marine Sciences and Technology (ZSCMST), under the College of Maritime Education (CME) and the College of Fisheries and Marine Sciences attended a five-day SOLAS training at PNTC College in Tanza, Cavite, from January 24 to January 28, 2024.

The training seeks to provide fundamental training courses such as smoke diving, firefighting, first aid, and abandoned ship drills.

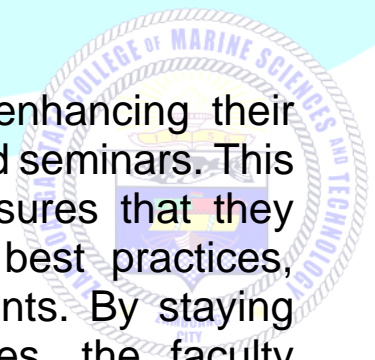
As young sailors, it is essential to understand how to handle safety and survival situations before they begin their Maritime careers. It serves as a "groundings" for sailors, ensuring they learn how to respond to circumstances and work safely at sea.

BSMT and BSMARE 2nd class students had the invaluable opportunity to attend SOLAS (Safety of Life at Sea) training at PNTC College in Tanza, Cavite. This training is critical for preparing students to handle various safety procedures and emergencies at sea. By participating in this program, students gain practical knowledge and hands-on experience, ensuring they

are well-equipped to meet the stringent safety standards required in the maritime industry. This experience not only enhances their skills but also significantly contributes to their readiness for real-world maritime challenges.



3rd Engineer Ivan Jude Martinez attended the IMO Course 3.12, a specialized training program designed to enhance the skills and knowledge of maritime professionals in areas such as marine engineering, safety, and regulations. This course is part of the International Maritime Organization's effort to ensure that maritime personnel meet global standards and can effectively perform their duties onboard ships.



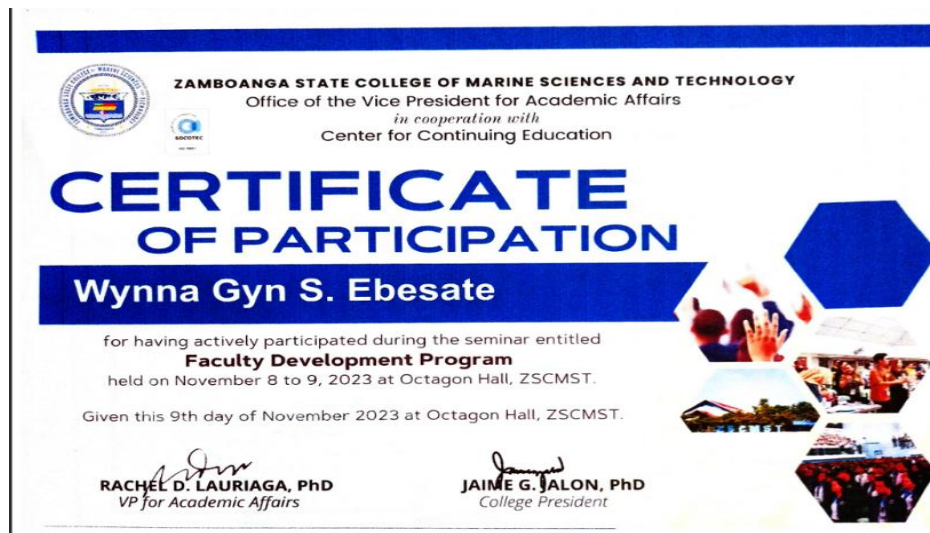
The **faculty of the BSMARE Program** are actively enhancing their knowledge and skills by participating in various trainings and seminars. This commitment to continuous professional development ensures that they remain current with the latest industry standards and best practices, ultimately enriching the educational experience for students. By staying updated and engaged in ongoing learning opportunities, the faculty members are better equipped to deliver high-quality education and mentorship in the field of maritime studies.



Sample Certificates of 3/E Jayvin G. Alviar

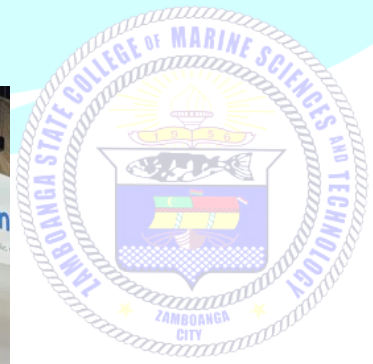


Sample Certificates of 3/E Proferio D. Bengel, Jr.



Sample Certificates of Engr. Wynna Gyn S. Ebesate

In a recent event, Dr. Christalyn Chiong, was invited to join this three-month program as a pioneering participant from ZSCMST, hosted by the Korean Institute of Maritime and Fisheries Technology (KIMFT) in Busan, Republic of Korea.



Dr. Chiong participates in a three-month program at KIMFT, Busan, representing ZSCMST.

The Zamboanga State College of Marine Sciences and Technology (ZSCMST) proudly announces the successful completion of the PAES-P evaluation and inspection, conducted by the International Association of Maritime Universities (IAMU). The positive results of this evaluation underscore the institution's commitment to excellence in maritime education.

This achievement is the result of collaborative efforts by our dedicated faculty, who have worked tirelessly to uphold and enhance the standards of our academic programs. Their continuous professional development, commitment to quality education, and active participation in training and seminars have been instrumental in attaining this prestigious recognition. This milestone reflects the collective dedication of the ZSCMST community to providing top-tier maritime education.



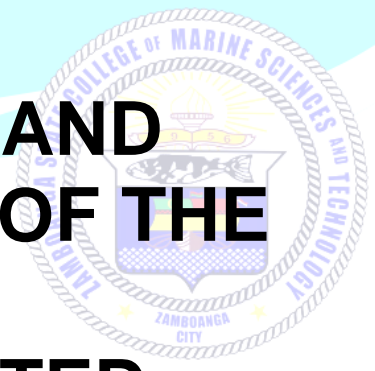
Representatives of International Association of Maritime University (IAMU) with ZSCMST Administration, Faculty and Staff



Inspection of Laboratories with C/E Rom Rabe of Germany



with Capt. Yusuke Mori from Nippon Japan University

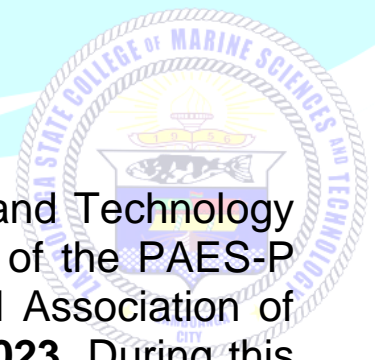


AWARDS OF DISTINCTION AND ACHIEVEMENT AND GRANTS OF THE PROGRAM, “BEST PRACTICES” ADOPTED

The Zamboanga State College of Marine Sciences and Technology (ZSCMST) has been honored with a Bronze Award by the Civil Service Commission RIX in the Enhanced Program to Institutionalize Meritocracy and Excellence in Human Resource Management. This prestigious recognition underscores the institution's commitment to fostering a culture of merit and excellence among its faculty and staff.

This achievement directly benefits the BSMT Program, as it reflects the high standards of human resource management and professional development within the institution. By ensuring that the faculty and staff are recognized for their dedication and capabilities, ZSCMST continues to provide an enriching and supportive environment for the BSMT Program, ultimately enhancing the quality of education and training for its students.





Successful PAES-P Evaluation and Inspection

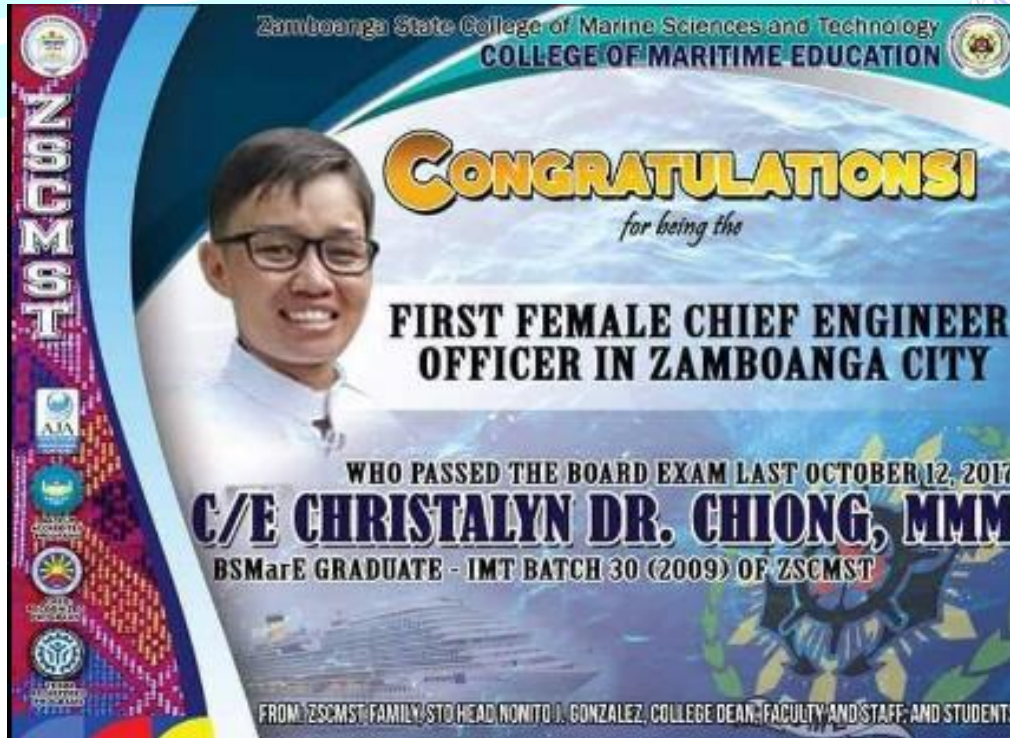
The Zamboanga State College of Marine Sciences and Technology (ZSCMST) proudly announces the successful completion of the PAES-P evaluation and inspection, conducted by the International Association of Maritime Universities (IAMU) from **December 13 to 15, 2023**. During this period, the College of Marine Engineering (CME) welcomed **IAMU representatives, Capt. Yusuke Mori** from Nippon Japan University and **C/E Rom Rabe** from German University. Their visit aimed at evaluating CME for potential inclusion in IAMU. All equipment was rigorously inspected and tested, and the representatives concluded that ZSCMST possesses world-class equipment that meets IAMU's high standards, further reinforcing our institution's reputation as a leader in maritime education.

This achievement highlights the institution's commitment to excellence in maritime education and is the result of collaborative efforts by our dedicated faculty, who continuously enhance their skills through professional development, quality education initiatives, and active participation in training and seminars.



Prominent Graduates

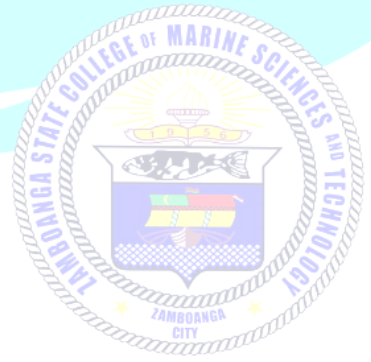
The ZSCMST BSMARE Program not only produces graduates but also remarkable individuals whose accomplishments demonstrates the colleges prioritize to promoting success in a variety of sectors in addition to reflecting their own passion and ability.



C/E CHRISTALYN DR. CHIONG
The First female C/E in Zamboanga City batch 30

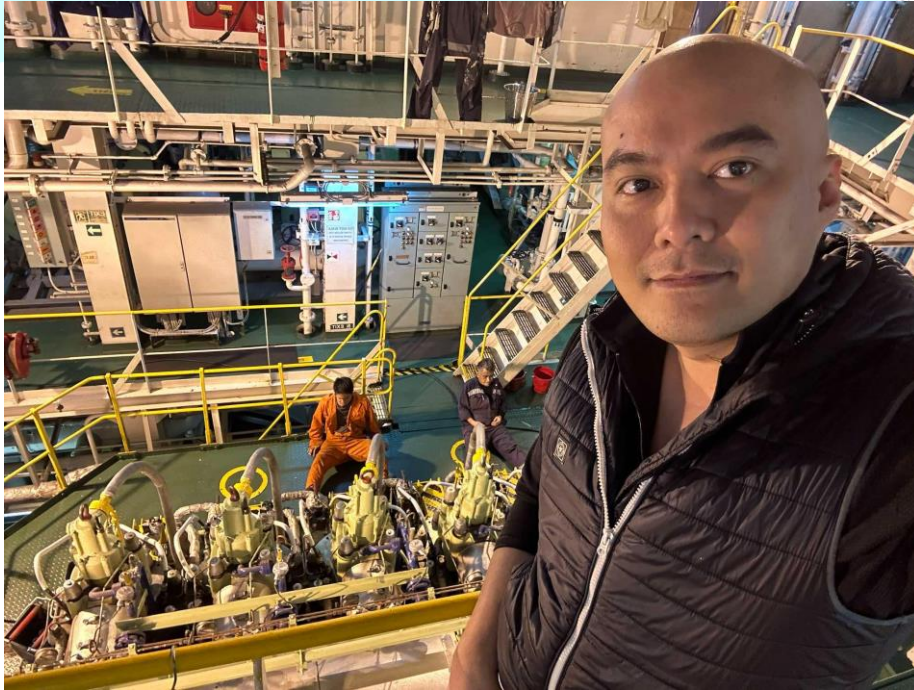


A pioneering participant and one of the technical/major faculty members to present at an international forum in Busan, Republic of Korea.

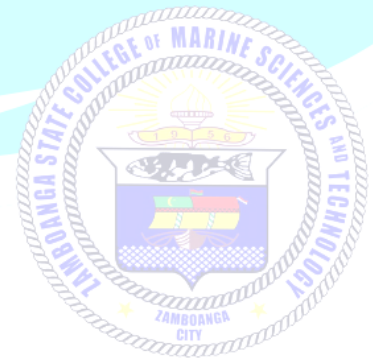


C/E MELCHOR PAMIGAO

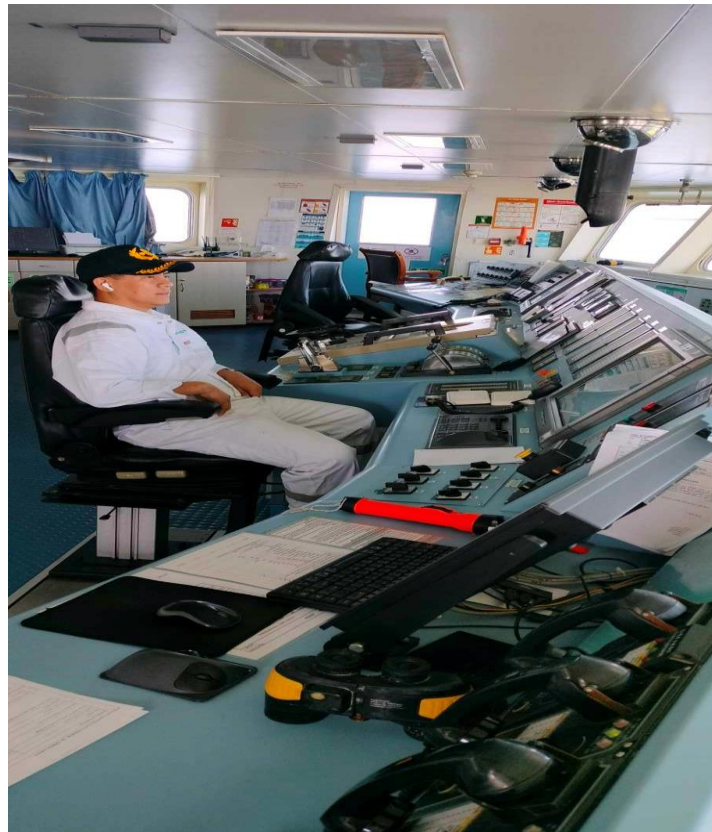
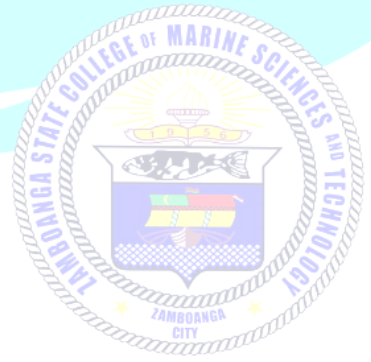
A proud graduate from IMT Batch 17 who become a chief Engineer and a former BSmarE program head last 2009



C/E RICARDO MANLICLIC
Batch 28 2006



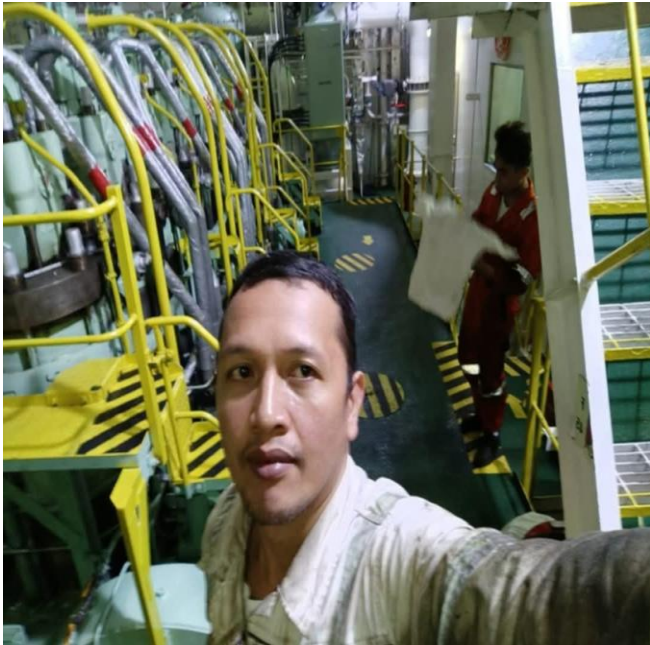
ENSIGN MARK ANTHONY SIASON
Batch 2017 an assistant manager of a local company and became a PCG
adjutant of a coast guard fleet manning group



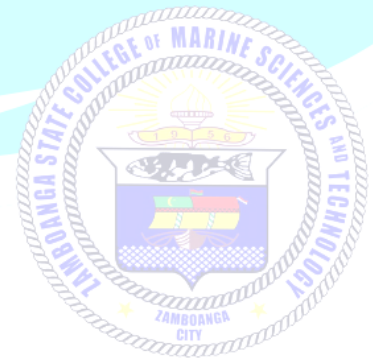
C/E JOEY TORINO
A proud product of BSmarE batch 28



C/E MARY AI N. GOMERA
IMT Batch 31 successfully become a chief engineer



C/E ELEGIO BALBERDE
Batch 28 2006



C/E ERWIN DELA CRUZ
Batch 28 2006



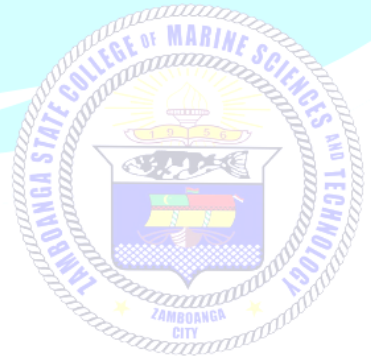
C/E FERNANDO R. LAURIAGA JR.



2/E JAMES DULAP



2/E ALMONDO R. MONTEROLA JR.
Batch 39 2017



3/E HERSON T. CAMION
Batch 37 2015

WELL-DOCUMENTED



The BSMARE programs is well-documented, with a clear and organized system covering aspects of the program's structures and design. This includes detailed course outline, syllabi, student progress records, faculty qualifications, and their research projects. Regular assessments of both students and faculty are also documented, ensuring continuous improvement and alignment with current academic and maritime industry standards. This thorough documentation helps maintain transparency, meet accreditation requirements, and ensure the program stays relevant and competitive in the evolving maritime industry.

Republic of the Philippines
ZAMBOANGA STATE COLLEGE OF MARINE SCIENCES AND TECHNOLOGY
 Fort Pilar, Zamboanga City
 Tel No: (062) 991-0643 Telefax: (062) 991-0777
 website: <http://www.zscmst.edu.ph>

COLLEGE OF MARITIME EDUCATION

ZSCMST-CME-3.2.6
 ACPMTEC Issue: 9-2023
 Revision Status: 3
 Revision Date: 9-2024

Part A: Course Specification

Course Code	Auto 2			
Course Descriptive Title	Marine Automation			
Prerequisite	Auto 1		Co-requisite	None
Year Level	Second Year		Semester offered	Second Semester
Course Credits	4 units	Theoretical Contact Hours Per Week	3 hours	Demonstration/Practical Work Hours per Week 3 hours
STCW Reference	STCW Table	Function	Competence	Knowledge, Understanding and Proficiency
	A-III/1	F2. Electrical, electronic and control engineering at the operational level	C1. Operate electrical, electronic and control systems	KUP1. Basic configuration and operation principles of the electronic equipment; Z.c functions, characteristics and features of control systems for machinery items, including main propulsion plant operation control and steam boiler automatic control
Course Outcome(s)	AIII/1.F2.C1.KUP 1.2.c	CO1. Construct and operate a pneumatic control circuit for a specific shipboard application		
		CO2. Differentiate programmable logic control (PLC) from distributed control system (DCS) and supervisory control and data acquisition (SCADA) based on their design and applications onboard ship.		
		CO3. Construct and operate a level process control system using level sensor, a PID Controller and a Final control valve		
		CO4. Analyze a given diagram of the main engine remote control system, generator, and distribution power management system, and steam boiler control system in order to develop a simple troubleshooting chart		
		CO5. Detect and locate malfunction for a shipboard control system in accordance with manuals and good practices		
		CO6. Simulate basic configuration and operation of the electronic functions, characteristics and features of control system using electronic module laboratory		

Page 4 of 28

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COLLEGE OF MARITIME EDUCATION

ZSCMST-CME-3.2.6
 ACPMTEC Issue: 9-2023
 Revision Status: 3
 Revision Date: 9-2024

Part B: Course Outline and Timetable

Term	Week	Outcome	Time Allotment (in hours)	
			Theoretical	Demonstration/ Practical Work
MIDTERM	1	CO1. Construct and operate a pneumatic control circuit for a specific shipboard application.		
		LO1.1. Explain the various components and sub-system in machine automation per industry standards.	2	
		LO1.2. Explain the compression conditioning and distribution of control air on board ships Pneumatic and Control Air Distribution Systems on Board.	2	
		LO1.3. Explain the operations of pneumatic and electro-pneumatic components used in electro-pneumatic control systems on board.	2	
	2	LO1.4. Sketch a typical electro-pneumatic circuits as applied on board.	2	
		LO1.5. Assemble an operational electro-pneumatic circuit for control of the forward and reverse operation of a pneumatic motor.		4
	3	Course Outcome Assessment	2	2
		CO2. Differentiate Programmable Logic Controller (PLC) from Distributed Control System (DCS) and Supervisory Control and Data Acquisition (SCADA) systems based on their design and applications onboard ship.		
		LO2.1. Explain the use of electro-mechanical relay circuits in machine automation	2	
		LO2.2. Explain the functions of the four main parts of a programmable logic controller (PLC).	2	
4				



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COLLEGE OF MARITIME EDUCATION

ZSCMST – CME – 3-2-6
 ADOPTED Date: 5-2011
 Revision Status: 3
 Revision Date: 8 – 2024

PART C – COURSE SYLLABUS

COURSE OUTCOMES	LEARNING OUTCOMES		TOPICS
	LECTURE	LABORATORY	
CO1. Construct and operate a pneumatic control circuit for a specific shipboard application	LO1.1. Explain the various components and sub-system in machine automation per industry standards		Machine Automation and Pneumatics
	LO1.2. Explain the compression conditioning and distribution of control air on board ship		Pneumatic and Control Air Distribution systems on Board
	LO1.3. Explain the operations of pneumatic and electro-pneumatic components used in electro-pneumatic control systems on board		Pneumatic components operation
	LO1.4. Sketch a typical electro-pneumatic circuits as applied on board		Shipboard Application of Pneumatics
		LO1.5. Assemble an operational electro-pneumatic circuit for control of the forward and reverse operation of a pneumatic motor	
CO2. Differentiate Programmable Logic controller (PLC) from Distributed control system (DCS) and Supervisory control and Data Acquisition (SCADA) systems based	LO2.1. Explain the use of electro-mechanical relay circuits in machine automation		Logic circuits
	LO2.2. Explain the functions of the four main parts of a programmable logic controller (PLC)		PLC

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COLLEGE OF MARITIME EDUCATION

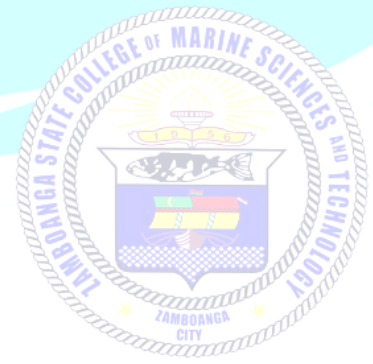
ZSCMST – CME – 3-2-6
 ADOPTED Date: 5-2011
 Revision Status: 3
 Revision Date: 8 – 2024


PART D – DETAILED TEACHING SYLLABUS


+	Course Code / Descriptive Title: Auto 2 Marine Automation
	STCW Competence: A-III/1 F2. C1. Operate electrical, electronic and control systems
	Credit Units: 4 units Lecture Hour(s): 3 hours Laboratory Hour(s): 3 hours Pre-requisite(s): Auto 1
	Course Description: It builds on foundational knowledge, focusing on advanced control systems for marine vessels. Students learn to design, troubleshoot, and optimize complex automation systems, preparing for careers in marine engineering and operations.
	Course Outcomes: At the end the course, students should be able to: CO1. Construct and operate a pneumatic control circuit for a specific shipboard application CO2. Differentiate programmable logic control (PLC) from distributed control system (DCS) and supervisory control and data acquisition (SCADA) based on their design and applications onboard ship CO3. Construct and operate a level process control system using level sensor, a PID Controller and a Final control valve CO4. Analyze a given diagram of the main engine remote control system, generator, and distribution power management system, and steam boiler control system in order to develop a simple troubleshooting chart CO5. Detect and locate malfunction for a shipboard control system in accordance with manuals and good practices CO6. Simulate basic configuration and operation of the electronic functions, characteristics and features of control system using electronic module laboratory

a. Course Syllabus


3/E MARY ROSE A. DELA CRUZ
Instructor 1
Defuty BsmarE Onboard Training
Master's Degree
Subject taught: Maintenance






 Republic of the Philippines
 Department of Labor and Employment
NATIONAL MARITIME POLYTECHNIC
 Cebuawani, Tacloban City



DELA CRUZ, MARY ROSE A.
 Cert. No.
 FDCIT-2014-0498
 SN: 143426


Certificate of Completion
 This Certificate is issued to
MARY ROSE A. DELA CRUZ
 Date of Birth: October 6, 1989
 for having successfully completed the requirements and satisfactorily passed the training in
TRAINING COURSE FOR INSTRUCTORS
 (IMO Model Course 6.09)
 (88 Hours)
 for Maritime Instructors and Assessors conducted from August 4 to August 15, 2014 in accordance with MARINA Circular No. 2013-03, Series of 2013 and CHED Memorandum Order Nos. 31 and 32 Series of 2013 in compliance with the International Convention on Standards of Training, Certification and Watchkeeping (STCW) for Seafarers, 1978 as amended pursuant to Regulation 1/6 and Section A-1/6.
 Issued this 6th day of August, 2014, in the City of Tacloban, Philippines.


 Engr. PASCIANO V. TRINIDAD
 OIC, MARITIME TRAINING DIVISION

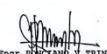

 MARIBEL C. ROLDAN, CES0 III
 OIC, EXECUTIVE DIRECTOR



 AJA
 MARITIME TRAINING
 Cebuawani, Tacloban City
 Certificate No. AJA002268



 Republic of the Philippines
 Department of Labor and Employment
NATIONAL MARITIME POLYTECHNIC
 Cebuawani, Tacloban City



DELA CRUZ, MARY ROSE A.
 Cert. No.
 FDC2T-2015-0141
 SN: 145463


Certificate of Completion
 This Certificate is issued to
MARY ROSE A. DELA CRUZ
 Date of Birth: October 6, 1989
 for having successfully completed the requirements and satisfactorily passed the training in
ASSESSMENT, EXAMINATION AND CERTIFICATION OF SEAFARERS
 (IMO Model Course 3.12)
 (88 Hours)
 for Maritime Instructors and Assessors conducted from January 26 to February 6, 2015 in accordance with MARINA Circular No. 2013-03, Series of 2013 and CHED Memorandum Order Nos. 31 and 32 Series of 2013 in compliance with the International Convention on Standards of Training, Certification and Watchkeeping (STCW) for Seafarers, 1978 as amended pursuant to Regulation 1/6 and Section A-1/6.
 Issued this 6th day of February, 2015 in the City of Tacloban, Philippines.


 Engr. PASCIANO V. TRINIDAD
 OIC, MARITIME TRAINING DIVISION



 MARIBEL C. ROLDAN, CES0 III
 OIC, EXECUTIVE DIRECTOR



 AJA
 MARITIME TRAINING
 Cebuawani, Tacloban City
 Certificate No. AJA002268



 Republic of the Philippines
 Department of Labor and Employment
NATIONAL MARITIME POLYTECHNIC
 Cebuawani, Tacloban City


DELA CRUZ, MARY ROSE A.
 Cert. No.
 FDC3-2015-0341
 SN: 145494

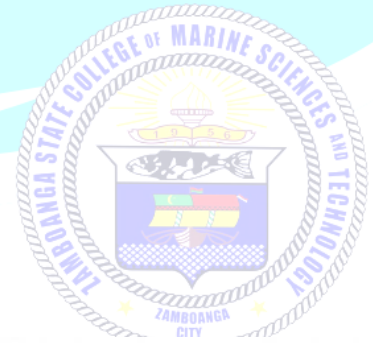
Certificate of Completion
 This Certificate is issued to
MARY ROSE A. DELA CRUZ
 Date of Birth: October 6, 1989
 for having successfully completed the requirements and satisfactorily passed the training in
TRAINING COURSE FOR SIMULATOR INSTRUCTORS AND ASSESSORS
 (IMO Model Course 6.10)
 (58 Hours)
 for Maritime Instructors and Assessors conducted from February 9 to February 14, 2015 in accordance with MARINA Circular No. 2013-03, Series of 2013 and CHED Memorandum Order Nos. 31 and 32 Series of 2013 in compliance with the International Convention on Standards of Training, Certification and Watchkeeping (STCW) for Seafarers, 1978 as amended pursuant to Regulation 1/6 and Section A-1/6.
 Issued this 14th day of February, 2015 in the City of Tacloban, Philippines.


 Engr. PASCIANO V. TRINIDAD
 OIC, MARITIME TRAINING DIVISION


 MARIBEL C. ROLDAN, CES0 III
 OIC, EXECUTIVE DIRECTOR


 AJA
 MARITIME TRAINING
 Cebuawani, Tacloban City
 Certificate No. AJA002268

3/E IVAN JUDE P. MARTINEZ
Instructor 1
Deputy Program Head of BsMarE Program
Master's Degree
Subject taught: PASGT and PPD



PHILIPPINE ASSOCIATION OF MARITIME TRAINING CENTERS INC. (PAMTCI)
 Unit 5C-1, 5th Floor MARC 2000 Tower, 1973 Tadh Avenue, corner San Andres Street, Malate Manila, Philippines

Certificate No. 2023715-609-14
Registration No. 2006


Certificate of Completion

This certificate is issued to
Ivan Jude P. Martinez
 for having successfully completed the
Training Course for Instructors
 IMO Model Course 6.09
 (80 Hours)

Conducted from May 08 to 19, 2023 as authorized under the Memorandum of Agreement between the Maritime Industry Authority (MARINA) and the Philippine Association of Maritime Training Centers, Inc. (PAMTCI) pursuant to Republic Act No.10635 and its Implementing Rules and Regulations (IRR), and after having been assessed by the authorized Assessors in accordance with the approved method and criteria.

Issued this 19th day of May 2023 in Manila, Philippines.


MS. KATHERINE R. AVELINO
 PAMTCI President


IVAN JUDE P. MARTINEZ



DX-23-0170673

IMMAJ-PJMCC FOUNDATION, INC.
 JSU-AMOSUP Mariners' Home,
 1765 Vasquez St. corner Nakpil St.,
 Malate 1004 Manila, Philippines
 Tel No (032) 8520-0489 Fax No (032) 8520-0455

Certificate No. IMO MC 3.12-03-15-2023

Certificate of Attendance

This is to certify that
IVAN JUDE P. MARTINEZ
 has attended and completed the
Assessment, Examination and Certification of Seafarers
 (IMO Model Course 3.12)

conducted by the IMMAJ-PJMCC Foundation, Inc.
 from 24 July to 04 August 2023 at the
 5th Floor, IMMAJ-PJMCC Training Center,
 JSU-AMOSUP Mariners' Home, 1765 Vasquez St. corner Nakpil St.,
 Malate, Manila

Given this 4th day of August 2023 in the City of Manila, Philippines.


MS. MARIA LEONORA B. SOLA
 Instructor


CAPT. JUANITO G. SALVATIERRA, JR.
 Trustee

PHILIPPINE ASSOCIATION OF MARITIME TRAINING CENTERS, INC. (PAMTCI)
 Unit 5C-1, 5th Floor MARC 2000 Tower, 1973 Tadh Avenue corner San Andres St., Malate, Manila 1778522-2009
 Mobile: 0915-3743912 / 0947-5029713 Email: secretariat@pamtc1.com.ph


CERTIFICATION

This is to certify that the following participants have attended the ten-day Training Course For Instructors (IMO Model 6.09) from May 08 - 19, 2023 sponsored by the Philippine Association of Maritime Training Centers, Inc. (PAMTCI), conducted at PAMTCI Classroom 1, MARC 2000 Tower, Manila Philippines.

- Andes, Roylan L.
- Alviar, Jayvin G.
- Baquiran, Rogelio B.
- Calin, Aaron A.
- Capagal, Dindo I.
- Carranza, John Mark R.
- Dulatre, Carlito D.
- Falceso, Eugene B.
- Junio, Frederick Q.
- Katigbak Pol Kevin Q.
- Lacao, Honey Mae C.
- Malundo, Trojan Dino V.
- Mangaliman, Daniel C.
- Martinez, Ivan Jude P.**
- Minanga, Indira Skye B.
- Nuezca, Jay-Ar V.
- Salido, Walter P.
- Tolentino, Lhex Arron M.
- Villafraza, Marife R.

This certification is being issued upon the request of the above participants for reference purposes only.

Issued on 19th day of May 2023, PAMTCI Secretariat, Malate, Manila, Philippines.


MS. MARIA KATHERINE PAULINE R. AVELINO
 PAMTCI President

ENGR. ROEL S. SANTOS
Assist. Professor 4
Master's Degree
Subject taught: Nav. Arch.

PHILIPPINE ASSOCIATION OF MARITIME TRAINING CENTERS INC. (PAMTCI)
 Unit 5C-1, 5th Floor MARC 2000 Tower, 1973 Tadh Avenue, corner San Andres Street, Malate Manila, Philippines


Certificate Number : 2013145-609-20
Registration Number : 000816


Certificate of Completion

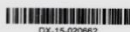
This certificate is issued to
Roel S. Santos
 for having successfully completed the
Training Course for Instructors
 IMO Model Course 6.09
 (64 Hours)

Conducted from May 16 - 24, 2013 as authorized under the Memorandum of Agreement between the Maritime Industry Authority (MARINA) and the Philippine Association of Maritime Training Centers, Inc. (PAMTCI) pursuant to Republic Act No.10635 and its Implementing Rules and Regulations (IRR), and after having been assessed by the authorized Assessors in accordance with the approved method and criteria.

Issued this 15th day of May 2015 in Manila, Philippines.


C/E ALFREDO G. HARBO
 PAMTCI President


ROEL S. SANTOS

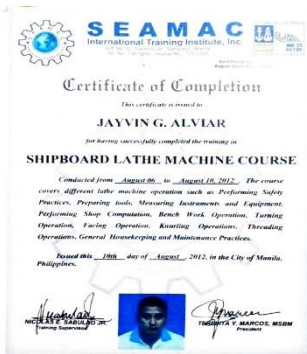
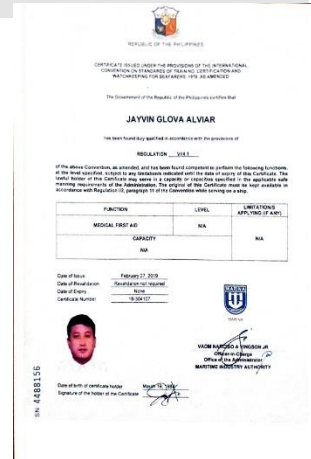
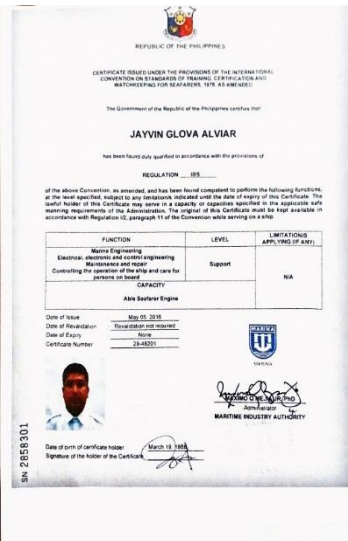
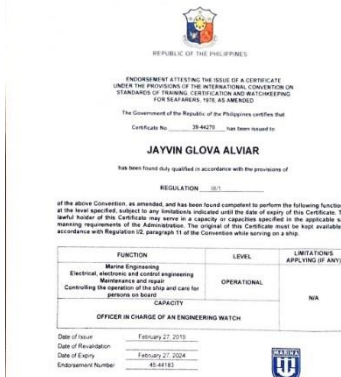
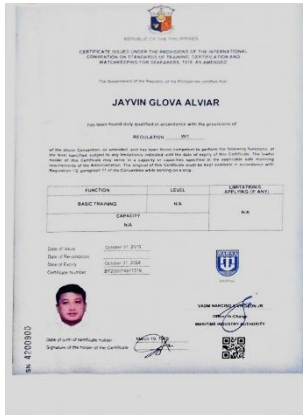

 DX-15-025662

3/E JAYVIN G. ALVIAR

Instructor 1

On Going Master's Degree

Subject taught: Aux. Mach. 1 and 2

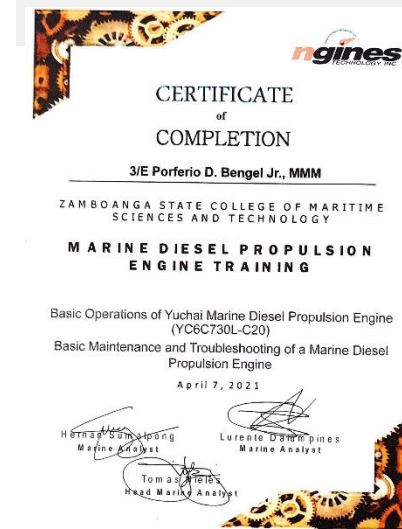


3/E PORFERIO DEL ROSARIO BENGEL

Assist. Professor 4

Doctoral Degree

Subject taught: E-watch

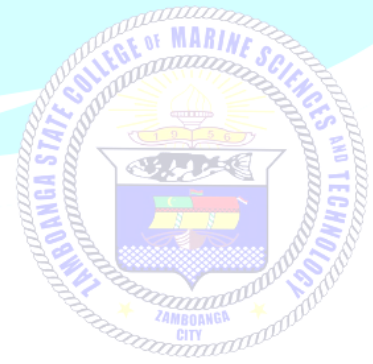


3/E CHRISTIAN Y. REYES

Instructor 1

On going Master's Degree

Subject taught: Electro. 3 and Auto. 2



ENGR. WYNNA GYN S. ESBATE

Instructor 1

Master's Degree

Subject taught: Electro 1 and 2



GLOBE MARITIME TRAINING CENTER - MANILA INC.
GLOBAL COMPETENCE comes with QUALITY TRAINING

Certificate No. IM06.09-21B03-04
Registration No. 1121-00316

Certificate of Completion

This Certificate is issued to

WYNNA GYN L. SANCHEZ

for having successfully completed the

Training Course for Instructor
IMO Model Course 0.09
(88 Hours)

Conducted from November 8, 2021 to November 19, 2021 as authorized under the Memorandum of Agreement between the Maritime Industry Authority (MARINA) and the Globe Maritime Training Center Manila Inc. (GMTC) pursuant to Republic Act No. 10635 and its implementing Rules and Regulations (IRR), and after having been assessed by the authorized Assessors in accordance with the approved method and criteria.

Issued this 19th day of November 2021 Manila, The Philippines.

RODOLFO P. CEBALLOS D.P.A., Ph.D.
Director, Education and Training

C/E GILBERT B. MILANA, Ph.D.
President

Room 104-107 Corongui Bldg., 414 Road Avenue cor. Lumbani, Zamboanga, Manila
Tel. Nos. (02) 8121-8414 | (02) 8734-0140 Email: globe.maritime.training@earthlink.net

PHILIPPINE ASSOCIATION OF MARITIME TRAINING CENTERS INC. (PAMTCI)

Unit 5C-1, 5th Floor MARC 2000 Tower, 1973 Taff Avenue
Cebu City, San Andres Street, Maguigay, Philippines

Certificate No. 2023296-312-08
Registration No. 1419

Certificate of Completion

This certificate is issued to

Wynna Gyn S. Ebsate

for having successfully completed the

Assessment, Examination and Certification of Seafarers
IMO Model Course 3.12
(80 Hours)

conducted from May 08 to 19, 2023 as authorized under the Memorandum of Agreement between the Maritime Industry Authority (MARINA) and the Philippine Association of Maritime Training Centers, Inc. (PAMTCI) pursuant to Republic Act No.10635 and its Implementing Rules and Regulations (IRR), and after having been assessed by the authorized Assessors in accordance with the approved method and criteria.

Issued this 19th day of May 2023 in Manila, Philippines.

WYNNA GYN S. ESBATE

MS. KATHERINE R. AVELINO
PAMTCI President

DK-23 0170649

PHILIPPINE ASSOCIATION OF MARITIME TRAINING CENTERS, INC. (PAMTCI)
Unit 5C-1, 5th Floor MARC 2000 Tower 1973 Taff Avenue corner San Andres St., Malate, Manila 178821-2839
Mobile: 0915-5743932 | 0947-5029715 Email: secretariat@pamtc1.com

CERTIFICATION

This is to certify that the following participants have attended the ten-day Assessment, Examination and Certification of Seafarers (IMO Model course 3.12) from May 8-19, 2023 sponsored by the Philippine Association of Maritime Training Centers, Inc. (PAMTCI), conducted at PAMTCI Classroom, MARC 2000 Tower, Manila Philippines.

1. Alcover, Antonieta C.
2. Bandal, Irene A.
3. Bioco, Christian G.
4. Blasquez, Norman Jayvee J.
5. Callipan, Aimee V.
6. Custodio, Sharyl P.
7. Ebalan, Gerry E.
8. ~~Esbate, Wynna Gyn S.~~
9. Javier, Guillermo III Q.
10. Jayson, Ronilo Y.
11. Mayo, Herminio Jr. R.
12. Narca, Edwin R.
13. Omatang, Marlon R.
14. Guidem, Isidoro M.
15. Reyes, Jason Q.
16. Sagal, Apolinario III M.
17. Sumile, Richie Paul V.
18. Valer, Marcializa S.

This certification is being issued upon the request of the above participants for reference purposes only.

Issued on 19th day of May 2023, PAMTCI Secretariat, Malate, Manila, Philippines.

MS. MARIÁ KATHERINE PAULINE R. AVELINO
PAMTCI President

ZAMBOANGA STATE COLLEGE OF MARINE SCIENCES AND TECHNOLOGY
Office of the Vice President for Academic Affairs
in cooperation with
Center for Continuing Education

CERTIFICATE OF PARTICIPATION

Wynna Gyn S. Ebsate

for having actively participated during the seminar entitled
Faculty Development Program
held on November 8 to 9, 2023 at Octagon Hall, ZSCMST.

Given this 9th day of November 2023 at Octagon Hall, ZSCMST.

RACHEL D. LAURIAGA, PhD
VP for Academic Affairs

JAIME G. JALON, PhD
College President

HUMIL INTERNATIONAL CORPORATION
419 Alegria St., Sampaloc, Manila

CERTIFICATE OF TRAINING

is presented to

Wynna Gyn S. Ebsate

For her attendance to the 2-day training in the use of
Steam Power Plant, Refrigeration and
Air-Conditioning Trainer

Conducted on August 24-25, 2023
at Zamboanga State College of Marine
Science & Technology
Fort Pilar, Zamboanga City

Dolores N. Bongat
Vice President

Joseph Capellan
Trainer

REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF TRANSPORTATION
MARITIME INDUSTRY AUTHORITY IX

This

Certificate of Participation

is presented to

MS. WYNNA GYN S. ESBATE
ZAMBOANGA STATE COLLEGE OF MARITIME SCIENCES AND TECHNOLOGY

for its participation during the Maritime Safety Pre-Summit Workshop
with the theme "Ligtas na Paglalayag at Malinis na Karagatan para sa Bagong Pilipinas"
held at Octagon Hall of Zamboanga State College of Maritime Sciences and Technology, Zamboanga City on
26 - 27 October 2023.

Given this 27th day of October 2023
at Zamboanga City, Philippines.

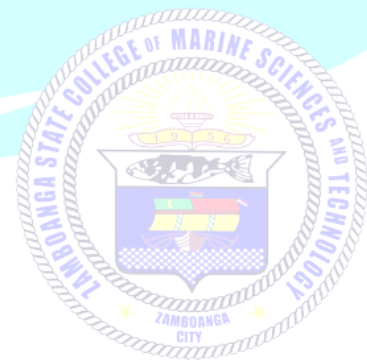
FARIDA L. CLUNANAN, Ph.D.
OIC-Director

ENGR. EUSTACE A. PEÑAFLO

Assist. Professor 2

Master Degree

Subject taught: Thermo. and Mechanics



ZAMBOANGA STATE COLLEGE OF MARINE SCIENCES AND TECHNOLOGY
OFFICE OF THE COLLEGE REGISTRAR
OFFICIAL TRANSCRIPT OF RECORDS

Name: PEÑAFLO, EUSTACE A. Date of Admission: 04 September 2013 2014
 Date of Birth: October 1, 1975 Sex: Male Valid Certificate: 3008 300801
 Birth Place: Zamboanga City Civil Name: EUSTACE A. PEÑAFLO Religion: None
 Home Address: Zamboanga City Present Address: Zamboanga City, Zamboanga City, Zamboanga City
 Education: Bachelor of Science in Mechanical Engineering School Year: 4
 Department: MECS Program: BSME, Zamboanga City 1992-1995
 University: WESTERN MINDANAO STATE UNIVERSITY, Zamboanga City 1995-1999
 College: WESTERN MINDANAO STATE UNIVERSITY, Zamboanga City 2002-2004

DEGREE: MASTER IN MARITIME MANAGEMENT (MMM)
 MAJOR: MARINE MANAGEMENT

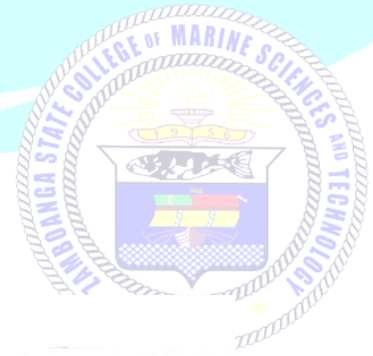
DATE OF GRADUATION: March 26, 2015

COURSE NUMBER	COURSE TITLE	ACADEMY AWARDS	GRADE
MMT 104	Thermodynamics	1.75	3.0
MMT 106	Fluid Mechanics	2.00	3.0
MMT 107	Strength of Materials	2.00	3.0
MMT 211	International Maritime Conventions	1.50	3.0
MMT 209	Advanced Ship Automation	1.50	3.0
MMT 208	Advanced Ship Automation	1.50	3.0
MMT 207	Maritime Management	1.25	3.0
MMT 202	Shipping Policy and Economics	1.25	3.0
MMT 203	Maritime Law	1.00	3.0
MMT 201	Maritime Law	1.25	3.0
MMT 212	Maritime Law	1.25	3.0
MMT 213	Maritime Law	1.25	3.0
MMT 214	Maritime Law	1.25	3.0

REMARKS: 1.00 AVERAGE WITH THE DEGREE IN MASTER IN MARITIME MANAGEMENT (MMM) ON MARCH 26, 2015, AWARDED IN ZAMBOANGA CITY, PHILIPPINES.

GRADING SYSTEM
 UNDERGRADUATE: 1.00-1.75: Superior, 1.75-2.00: Very Good, 2.00-2.25: Good, 2.25-2.50: Fair, 2.50-2.75: Satisfactory, 2.75-3.00: Needs Improvement, 3.00-3.25: Failing, 3.25-3.50: Failing
 GRADUATE: 1.00-1.25: Superior, 1.25-1.50: Very Good, 1.50-1.75: Good, 1.75-2.00: Fair, 2.00-2.25: Satisfactory, 2.25-2.50: Needs Improvement, 2.50-2.75: Failing, 2.75-3.00: Failing

RONILO Y. JAYSON
Instructor 3
Master's Degree
Subject taught: Mach. 1, 2 and 3



 **PHILIPPINE ASSOCIATION OF MARITIME TRAINING CENTERS INC. (PAMTCI)**
Unit 5C-1, 5th Floor MARC 2000 Tower, 1973 Talt Avenue corner San Andres Street, Malate Manila, Philippines



Certificate No. 2023296-312-10
Registration No. 1421

Certificate of Completion

This certificate is issued to

Ronilo Y. Jayson

for having successfully completed the

Assessment, Examination and Certification of Seafarers
IMO Model Course 3.12
(80 Hours)

conducted from May 08 to 19, 2023 as authorized under the Memorandum of Agreement between the Maritime Industry Authority (MARINA) and the Philippine Association of Maritime Training Centers, Inc. (PAMTCI) pursuant to Republic Act No.10635 and its Implementing Rules and Regulations (IRR), and after having been assessed by the authorized Assessors in accordance with the approved method and criteria.


Issued this 19th day of May 2023 in Manila, Philippines.


RONILO Y. JAYSON


MS. KATHERINE R. AVELINO
PAMTCI President


This document is available at www.pamtcicenter.com
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DX-23-0170651

 **PHILIPPINE ASSOCIATION OF MARITIME TRAINING CENTERS, INC. (PAMTCI)**
Unit 5C-1, 5th Floor MARC 2000 Tower 1973 Talt Avenue corner San Andres St., Malate, Manila 1 / 19022-2039
Mobile: 0915-3743932 / 9947-5029715 Email: secretariatpamtc11913@gmail.com


CERTIFICATION

This is to certify that the following participants have attended the ten-day **Assessment, Examination and Certification of Seafarers (IMO Model course 3.12)** from May 8-19, 2023 sponsored by the Philippine Association of Maritime Training Centers, Inc. (PAMTCI), conducted at PAMTCI Classroom, MARC 2000 Tower, Manila Philippines.

1. Alcover, Antonieta C.
2. Banda, Irene A.
3. Bioco, Christian G.
4. Blasquez, Norman Jayvee J.
5. Callipan, Almee V.
6. Custodio, Sharyl P.
7. Ebalan, Gerry E.
8. Ebesate, Wynna Gyn S.
9. Javier, Guillermo III Q.
10. **Jayson, Ronilo Y.**
11. Mayo, Herminio Jr. R.
12. Narca, Edwin R.
13. Omatang, Marlon R.
14. Quidem, Isidoro M.
15. Reyes, Jason Q.
16. Sagal, Apolinario III M.
17. Sumile, Richie Paul V.
18. Valer, Marcialza S.

This certification is being issued upon the request of the above participants for reference purposes only.

Issued on 19th day of May 2023, PAMTCI Secretariat, Malate, Manila, Philippines.


MS. MARIA KATHERINE PALLINE R. AVELINO
PAMTCI President

c. Faculty profile