

Impact Study of ZSCMST – CME Extension Services

Rationale:

The Zamboanga State College of Marine Sciences and Technology (ZSCMST) is a state-funded institution tasked to provide quality professional and technological training in the western Mindanao area, the Zamboanga City Region. As a state institution, its mandate is to support sustainable socio-economic development through the basic functions of instruction, research, extension, and production. To attain this noble mission, a sound Extension and Community Outreach Program should be formulated and carried out to answer the technological and information needs of its service area.

As a State College committed to the transformation of the social well-being of the people, ZSCMST, therefore, faces many challenges. The primary challenge is how it can effectively respond to the pressing needs of the region, particularly in poverty alleviation and sustainability of socio-economic development efforts. Through its four-fold function instruction, research, extension and production, it develops programs that could bring development in the region. However, its efforts to provide information and knowledge must not be limited only to those who are capable of going to school, but it should reach the people even up to the region's borders and beyond.

Extension service is the vehicle that links the major programs of ZSCMST to the various sectors of society for the purpose of developing and/or enhancing the capabilities of individuals and groups (POs and NGOs) to alleviate their socio-economic conditions. Through the extension and community outreach programs of the College, learning beyond the classrooms may be given a new meaning, as new modalities shall be tested to develop and enhance the capabilities of the Zamboangeños.

Based on the Needs Assessment Results, the majority of the respondents are Zamboangeños (78.3%) followed by Visayans (13%) and Ilokano 8.7%. Christianity holds the vast majority followed by other tribes. On income, 36.8% earn below three (3) thousand per month, 21.1% from four thousand one to five thousand, and about 15.8% (3,001-4,000) per month. The highest paid from the salary bracket of 6,001-7,000 per month is only 5.3% of the respondents.

Among the responses on the risk assessment which involves political scenario, job opportunities and changes in the government policy on providing livelihood training, majority of the responded affirmatively except on questions on allocated budget and support for livelihood programs majority responded with negative and with low rating of affirmation on the barangay support on livelihood projects.

On short term courses, (Baking and pastry production) top the list, followed by a combination of (small boat building, Training on minced fish processing, and Commercial cooking. Next in line of the priority choices was Boat building, Baking and Pastry production. Others like were equally important but on the last list of respondents priority (Training on fruit and vegetables preservation, Operation of navigation and fishing). On livelihood training, the majority favors Baking, Cooking, welding, and followed by Fish processing and preservation products, Food processing and preservation products and the least is on others like electricity training for livelihood.

As part of the MOA being signed between the ZSCMST-CME and the Barangay Captain of the Barangay Mampang, with regards to the livelihood development plan of the barangay, the College of Maritime Education will be conducted a training course on – Metal Arc Welding, Building Wiring and Maintenance, Basic Safety and other extension activities related to maritime as part of their priorities programs/projects in accordance with the pre-determined number of (18) hours Basic Competency Level as prescribed by TESDA.

Objectives:

The main purpose of ZSCMST-CME extension services; is to develop and transfer appropriate technologies to target beneficiaries and to help improve the quality of human life in the depressed communities/barangays within the primary service area;

- Develop and enhance their skills in Metal Arc-Welding, Electrical wiring
- Find employment in the local shipyard near the area
- Improve and develop their quality of life
- Aware of proper disposal
- Control of solid waste in the coastal area or in the sea
- Common practice of safety measures while at sea or home
- Enhance and develop skills in Fire Prevention and Fire Fighting

Table 1, CME Extension Activities implemented

Programs/ Thrusts	Activities/ Actions	Objectives	Persons/ Units Responsible	Remarks
1. Skills Training on Metal Arc-Welding	Lecture Series and Hands-on Training on: Principle & techniques of Metal Arc - Welding	<ul style="list-style-type: none"> Develop and enhance their skills on Metal Arc-Welding Find employment on the local shipyard near the area improve and develop their quality of life 	College President VP-for Research Innovation, & Extension CME Dean, Director Coordinators, Faculty Students, LGUs Community Stakeholders/ Leaders	Accomplished
2. Coastal Clean-Up	Coastal clean-up	<ul style="list-style-type: none"> Aware of proper disposal Control of solid waste in the coastal area or in the sea Maintain and rehabilitate in the coastal area 	College President VP-for Research Innovation, & Extension CME Dean, Director Coordinators, Faculty Students, LGUs Community Stakeholders/ Leaders	Accomplished
3. Skills Training on Building Wiring Maintenance	Lecture Series and Hands-on Training on: electrical symbols and diagram Install electrical devices	<ul style="list-style-type: none"> Develop and enhance their skills on electrical wiring Find employment in the local area improve and develop their quality of life 	College President VP-for Research Innovation, & Extension CME Dean, Director Coordinators, Faculty Students, LGUs Community Stakeholders/ Leaders	Accomplished
4. Basic Safety Lectures at Sea and Home	Lecture Series and Demonstration on: Fire Prevention and Fire Fighting First Aid Survival Technique at home	<ul style="list-style-type: none"> Common practice of safety measures while at sea or home Enhance and develop skills in Fire Prevention and Fire Fighting Apply the common practice on First Aid Survival Technique at home 	College President VP-for Research Innovation, & Extension CME Dean, Director Coordinators, Faculty Students, LGUs Community Stakeholders/ Leaders	Accomplished
5. Training-Workshop on Data Collection and Geographic Information System (GIS) Mapping using Mobile Phones	Lecture Series and Demonstration on: Data Collection and Geographic Information System (GIS) Mapping using Mobile Phones	<ul style="list-style-type: none"> Creating a mobile questionnaire Deploying a mobile questionnaire Collecting data in the field using a smart phone Sending your collected data to the cloud Analyzing and visualizing your data on-line 	College President VP-for Research Innovation, & Extension CME Dean, Director Coordinators, Faculty Students, LGUs Community Nonteaching personnel	Accomplished

6. Proper Waste Disposal	Lecture Series on Proper Waste Disposal	<ul style="list-style-type: none"> Aware of proper disposal Segregation of waste disposal 	College President VP-for Research Innovation, & Extension CME Dean, Director Coordinators, Faculty Students, LGUs Community Nonteaching personnel	Accomplished
7. Extending assistance to CME stranded students due to COVID-19	Extending assistance to our CME stranded students due to COVID-19	<ul style="list-style-type: none"> Helping our stranded students due to COVID-19 	College President CME Dean, Director Coordinators, Faculty Students Nonteaching personnel	Accomplished
8. Research Capacitation Training-Workshop	Lecture Series on writing research proposals	<ul style="list-style-type: none"> To discuss the differences and relationships of, as well as demonstrate how to develop & write the, research purpose, research objectives, research questions, and hypotheses 	College President CME Dean, Director Coordinators, CME Faculty	Accomplished

Table 1 shows, the lists of Extension Activities implemented by the College of Maritime Education based on the extension plan. The main purpose of ZSCMST-CME extension services; is to develop and transfer appropriate technologies to target beneficiaries and to help improve the quality of human life in the depressed communities/barangays within the primary service area; specifically to; develop and enhance their skills in Metal Arc-Welding, Electrical wiring, find employment in the local shipyard near the area, improve and develop their quality of life, aware of proper disposal, control of solid waste in the coastal area or in the sea, the common practice of safety measures while at sea or home, and enhance and develop skills in Fire Prevention and Fire Fighting.

Results and discussions:

Table 2, Monitoring and Evaluation of the ZSCMST – CME Extension Services implemented last 2019

Extension Programs/Activities	Date Implemented	Number of Participants	Number of Participants Employed/Livelihood Entitlements				Total Employed/Livelihood Entitlements	Remarks
			Yearly					
			2020	2021	2022	2023		
1. Skills Training on Metal Arc-Welding	December 21-23, 2019	28	1		2		3 (10.71%)	Worker (Contractual base)
2. Skills Training on Building Wiring Maintenance	December 21-23, 2019	28			1		1 (3.57%)	Worker (Contractual base)
3. Coastal Clean-Up	July 27, 2019	Masepla, Barangay Mampang						
4. Basic Safety Lectures at Sea and Home	February 17, 2019	562 ZSCMST students						
5. Training-Workshop on Data Collection and Geographic Information System (GIS) Mapping using Mobile Phones	May 29-31, 2019	30 ZSCMST employees						
6. Proper Waste Disposal	February 10, 2019 February 24, 2019	365 ZSCMST students 45 pupils						
7. Extending assistance to CME stranded students due to COVID-19	April - June, 2020	29 – CME students stranded from different places in the Phil.						
8. Research Capacitation Training-Workshop	July 7-9, 2021	15 – CME Faculty						

As presented in Table 2, the monitoring and evaluation of the CME extension activities on Skills Training on Metal Arc-Welding 3 out of 28 or 10.71% of the participants were able to find a job as a worker who works for an employer, under contract where an individual undertakes to do personal work or services as a welder with a salary depending on the number of days they rendered. On the Skills Training on Building Wiring and Maintenance, there was 1 out of 28, or 3.57% of

the participants was able to land a job as an electrician under contract with a salary also depending on the number of days they rendered.

**The ZSCMST – Training and Extension Activities
TRAINING AND EXTENSION OFFICE**


SKILLS TRAINING PROGRAM

o Sector Involved
ZSCMST Personnel and Residence of Mampang.

No. of Participants from HEIs:
11- CME/MMM faculty

No. of Participants from Partners:
28-Residence of Mampang.

SKILLS TRAINING ON SHIELDED METAL ARC-WELDING (SMAW)
BASIC COMPETENCIES
DECEMBER 21-23, 2019, REO-ZSCMST, ZC



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SKILLS TRAINING PROGRAM

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ELECTRICAL INSTALLATION AND MAINTENANCE BASIC
COMPETENCIES
DECEMBER 21-23, 2019, REO-ZSCMST, ZC



On the other hand, our beneficiaries were able to gain knowledge on the awareness of proper disposal, control of solid waste in the coastal area or in the sea, and the common practice of safety measures while at sea or at home. Their skills were able to enhance and develop in fire prevention and fire fighting. They are using now the knowledge and skills they gained.

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ADVOCACY PROGRAM

o Sector Involved

- o CME Faculty
- o PPA
- o PMO


No. of Participants from HEIs:

- o 1 – Faculty
- o 21 – Students

No. of Participants from Partners:

- o 104 – PPA, PMO
Other Agencies

COASTAL CLEAN-UP AND MANGROVE PLANTING
SEPTEMBER 23-24, 2022
MAMPANG, ZAMBOANGA CITY



**The ZSCMST – Training and Extension Activities
TRAINING AND EXTENSION OFFICE**

CLEAN-UP PROGRAM

o Sector Involved
ZSCMST Selected Personnel, Phil College of Physicians Western Mindanao Chapter, NRCEN, Barangay Officials of Mampang

No. of Participants from HEIs:

- 3- REO/GS Faculty
- 5-PCPWMC
- 17-NRCEN

o No. of Participants from Partners:
Residents and Brgy officials of barangay Mampang

COASTAL CLEAN-UP AT
MASEPLA, BARANGAY MAMPANG
July 27, 2019
BARANGAY MAMPANG ZC




**The ZSCMST – Training and Extension Activities
TRAINING AND EXTENSION OFFICE**

OUTREACH PROGRAM (April, 2020)

o Sector Involved

- o STO, 2M Nonito J. Gonzales
- o MEPPFI
- o CME – ZSCMST Alumni

No. of Participants from HEIs:

- o 2- STO & Staff – ZSCMST
- o 1 – MEPPFI Officer

No. of Participants from Partners:
29 CME-ZSCMST Apprenticeship students (BSMT and BSME)

CME OUTREACH PROGRAM
(APRIL, 2020)

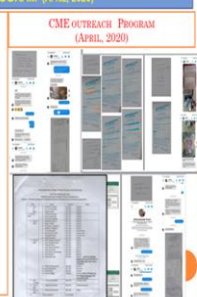




Figure above, shows some of the activities on coastal clean-up and tree planting as part of the advocacy program of the college on solid waste and environmental control management program.



BERT MOTORSHOP
Barrera Drive, Mampang Zamboanga City

CERTIFICATION

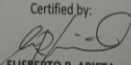
This is to certify that the persons below are the product participants of the Shielded Metal Arc Welding and Electrical Wiring and Installation Training held last December 21-23, 2019 at Barangay Mampang, Zamboanga City spearheaded by the ZSCMST-College of Maritime Education.

It is further certified that the persons below are employed in my shop in a contractual basis only based upon the request of the owner.

Name	Work Assignment
1. Joshua B. Arieta	Welder/Electrician
2. Anglebert P. Arieta	Welder/Electrician
3. Vern Nebio B. Russel	Welder/Electrician
4. Remo Jay A. Ediong	Welder/Electrician

Given this 21st of October 2022 at Barangay Mampang, Zamboanga City

Certified by:



ELISBERTO R. ARIETA
Motor-shop Owner




Figure above, Certificates of adopters who were able to land a job as an electrician and welder under contract with a salary depending on the number of days they rendered.

Table 3, Persons Involved/participated

	Project/Activity	Nature of Involvement/Participation
1. Administration	<ul style="list-style-type: none"> • Clean up Drive as part of the subject Marine Pollution • Skills Training on Shielded Metal Arc-Welding (SMAW) Basic Competencies as part of the subject Machine shop • Electrical Installation and Maintenance Basic Competencies as part of the subject Electrical • Coastal Clean-Up at Masepla, Barangay Mampang as part of Marine Pollution • Training-Workshop on Data Collection and Geographic Information System (GIS) Mapping using Mobile Phones 	• Approval of Funding and the Conduct of Activity
2. Faculty		• Facilitators/Lecturers/Implementers
3. Students		• Facilitators/Organizers
4. Stakeholders		• Participants/Beneficiaries/Venue Organizers

Title of Technology	Mode of Delivery (primer, brochure, film, etc.)	Authors/Production Team
Data Collection and Geographic Information system (GIS) Mapping Using Mobile Phones	Training Manual	Marlon Omatang/Dr. Jesus Rolando Samson
Metal-Arc Welding	Training Manual	Engr. Quirinio Agang/Jason Ronilo
Basic Electrical Wiring & Maintenance	Training Manual	Prof. Jesus Espina