

# Bachelor of Science in Environmental Science

ZSCMST



BAGONG PILIPINAS



AREA I

## SYSTEM-INPUTS AND PROCESSES

**S.3** | The Mission clearly reflects the institution's legal and educational mandate.





# Presidential Decree No. 2020, s. 1986

Signed on January 28, 1986

Malacañang  
Manila

## PRESIDENTIAL DECREE NO. 2020

CONVERTING THE MINDANAO REGIONAL SCHOOL OF FISHERIES INTO ZAMBOANGA STATE COLLEGE OF MARINE SCIENCES AND TECHNOLOGY, DEFINING ITS POWERS, FUNCTIONS, AND DUTIES AND APPROPRIATING FUNDS THEREFOR, AND FOR OTHER PURPOSES.

WHEREAS, it is a policy of the state to periodically reorient the educational system to serve as an effective vehicle for an accelerated economic growth and the social well-being of the Filipino people;

WHEREAS, Western Mindanao is endowed with extensive fishing grounds teeming with marine life, vast mangrove areas and swamplands suitable for aquaculture development and fertile lands with unlimited potentials for agriculture and agribusiness concerns that if rationally exploited, utilized and developed would bring progress and prosperity to the region and its people;

WHEREAS, Western Mindanao suffers from low agricultural and industrial productivity and have limited productive employment opportunities attributed to poor and inefficient resource utilization and inadequate skilled manpower and infrastructure support;

WHEREAS, notwithstanding its natural bounties, Western Mindanao remains underdeveloped on account of a dearth of competent leaders trained in the rudiments of science and technology;

WHEREAS, the present Mindanao Regional School of Fisheries which was included as one of the seven project institutes under the Sixth Education Project of the Philippine Government (GOP/IBRD, No. 1786 PH) had significantly improved its institutional capabilities to offer programs in science and technology;

WHEREAS, the present College with its upgraded facilities can produce the manpower needed to rationally exploit, utilize and develop the natural resources of Western Mindanao, thereby accelerating economic growth and improvement of the quality of life of its people.

NOW, THEREFORE, I, FERDINAND E. MARCOS, President of the Republic of the Philippines, by virtue of the powers vested in me by the Constitution, do hereby order and decree:

**SECTION 1. Conversion and Establishment.** The present Mindanao Regional School of Fisheries, located in Zamboanga City is hereby converted into a Regional State College to be



known as Zamboanga State College of Marine Sciences and Technology, hereinafter referred to in this Act as the State College.

**SECTION 2. Composition of the State College.** The State College shall be composed of the present Regional Institute of Fisheries, Institute of Marine Transportation, and administrative units of the Mindanao Regional School of Fisheries. The State College will have administrative supervision over all fishery schools in the region under a Regional Fisheries System. An Institute of Marine Sciences, a School and other new departments, centers or units may later be organized to become part of the State College.

**SECTION 3. Purpose.** The State College shall provide the necessary leadership in professional and technical instruction in Fisheries, maritime technology, marine sciences and development management in line with the manpower requirement and other development needs of Western Mindanao and neighboring regions. The State College shall offer undergraduate and graduate courses in fisheries, maritime technology, marine sciences, computer technology and development management, as well as short-term technical/vocational courses relevant to the needs of fisheries, maritime and other marine resources based industries. It shall promote research in fisheries and marine sciences and in related agribusiness concerns.

**SECTION 4. Governing Board.** The policy making power of the Zamboanga State College of Marine Sciences and Technology is hereby vested in the Board of Trustees. The Board will be composed of five members, namely: the Minister of Education, Culture and Sports, the Regional Executive Director of the National Economic and Development Authority, the President of the State College, the Regional Director of the Ministry of Agriculture and Food, and the President of the Alumni Association of the College.

The members of the Board shall serve without compensation other than actual and necessary expenses incurred in attendance upon meetings of the Board or upon other official business related to his position as a Trustee authorized by a resolution of the Board.

**SECTION 5. Powers and Duties of the Governing Board.** Board of Trustees shall have the following powers and duties in addition to its general powers of a corporation provided in Section Thirteen of the Corporation Law.

1) To determine and fix the dates and time of their regular meetings as well as special meetings as the need for the same may arise: Provided, That all such meetings shall not be more than twice in a month, nor less than once in any quarter.

2) To recommend the President of the State College for appointment by the President of the Philippines, who shall serve for a period of six years, subject to reappointment provided that his term of office shall not extend beyond the age of sixty-five.

3) To appoint, upon the recommendation of the President of the State College the Vice-President, Executive Director, the Directors of the different Institutes, Heads of Departments, Professors, professorial lectures, visiting or exchange faculty and other officers and



## ZSCMST IN PERSPECTIVE

### • **Brief History**

The ZSCMST is situated along the coast in the southeastern rim of Zamboanga City right beside the Shrine of the Nuestra Señora La Virgen del Pilar. The Rio Hondo Road passes through its 30-hectare campus.

The ZSCMST opened its doors to students on July 2, 1956 by virtue of Republic Act No. 686. It was then known as the Southern Mindanao Branch of the Philippine Institute of Fisheries Technology (PIFT). Then PIFT is the predecessor of the present day College of Fisheries and Ocean Sciences of the University of the Philippines in the Visayas.

Two (2) years later, it was renamed as Southern Mindanao School of Fisheries (SMSF) and along with eleven other fisheries schools in the country was placed under the administrative supervision of the Bureau of Public Schools and subsequently to the Bureau of Vocational Education in 1964.

In 1965, the SMSF was upgraded into a regional fisheries college and was renamed as Mindanao Regional School of Fisheries (MRSF) by virtue of Republic Act No. 3434. As such, it was one of two (2) fisheries schools in the Philippines that were authorized to offer a Post-secondary Fishery Technical Course.

In 1974, the two-and-a-half year Post-secondary Fishery Technical Course was upgraded to a 3-year Diploma in Fisheries Technology program pursuant to DECS Circular No. 2, s. 1974. In the same year, the MRSF was authorized to offer the following programs: (a) 4-year Fishery Teacher Education Program leading to the degree of Bachelor of Science in Fishery Education (BSFed) by virtue of DECS Circular No. 5, s. 1974, and (b) Bachelor of Science in Fisheries (BSF) by virtue of DECS Circular No. 9, s. 1974.

In 1978, the MRSF offered a maritime program leading to the degree of Bachelor of Science in Marine Transportation (BSMT). In the same year, the MRSF was appointed as a degree-granting institution in Region IX for Master of Arts in Teaching Elementary Agriculture (MATEA).

In 1979, the MRSF along with seven (7) fisheries schools in the country was identified as Regional Institutes of Fisheries Technology (RIFTs) under the Sixth World Bank (IBRD) Fishery Training Project. The Project was completed in 1986.

In 1986, the MRSF was converted into the Zamboanga State College of Marine Sciences and Technology (ZSCMST) by virtue of P.D. No. 2020. The ZSCMST is mandated to develop and implement academic programs in fisheries, maritime education, developmental management, food technology and computer technology.



- The value of sincerity to *Self-Reliance* shall be embedded upon the ZSCMST personnel by allowing them to speak out freely and truthfully their views and aspirations and to act without deceit and malice. With the value of sincerity, a holistic transformation both in the personal lives and careers of the ZSCMST personnel shall be achieved and manifested by way of harmonious interrelations and productive engagements with customers.
- *Trust* founded on meaningful and productive interrelations must be exuded by employees for the ZSCMST to succeed. Trust cannot be demanded but is earned and granted only when individuals are honest with themselves and with the people they deal with. Trust is hard to earn because it requires unquestionable personal integrity coupled with honesty.

### **Institutional Commitments**

- Inculcate candor, integrity and respect for an individual's capacity to create results and contribute to the common good.
- Nurture goal driven employees for leadership roles and responsibilities.
- Accord wider latitude to employees when deciding on matters that impinge on person and career.
- Harness the employees' full potential.
- Provide opportunities that would draw out and improve the employees' talents and potentials and facilitate professional development.
- Structure formal functions and roles in a system that facilitates meaningful interaction and productive interdependence.
- Create teams of self-empowered, highly enthused and output-driven employees.
- Instill a spirit of synergized collaboration in all facets and phases of College operations.
- Promote a culture of learning that promotes collaborative creativity in all context, interrelations and experiences.
- Accept changes that shape an individual and the organization's collective sense of meanings.
- Grow institutional capabilities out of the unwavering commitment of employees who take pride on what ZSCMST represents and achieves.
- Inculcate principle that appropriately trained, focused and highly enthused employees provide to transform processes into quality products and services.
- Inspire employees to continually be challenged in creating results they truly desire and to learn how to improve together.

### **Strategic Goals and Objectives**

Quality goals to meet customer requirements should be consistent with the policy. The quality objectives are continuously improved to reflect current realities and to address foreseeable needs and obligations. The ZSCMST shall pursue vigorously the following goals and objectives:

Goal 1. Produce well-honed graduates ably prepared for successful careers

Objective A. Offer academic programs that are mission-oriented, of the highest quality and fully compliant with national and international standards.



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| Objective B. | Improve institutional performance in licensure examinations.  |
| Objective C. | Establish centers of excellence.  |
| Objective D. | Develop new curricular offerings that complement and/or strengthen the core programs.   |
| Objective E. | Recruit, develop and retain a qualified, competent and dedicated faculty.   |
| Objective F. | Upgrade the physical infrastructure for core functions and services.  |
| Goal 2.      | Promote excellence in research and creative activities.   |
| Objective G. | Develop and implement a research program that dovetails national and regional development thrust and priorities and promote inclusive growth. |
| Goal 3.      | Engage in meaningful community service.   |
| Objective H. | Implement projects that will contribute to the improvement of the quality of life of people residing in the College service areas.            |
| Goal 4.      | Attain financial independence.  |
| Objective I. | Increase internally-generated revenues.   |

### • Academic Offerings

#### Graduate Programs

- Master of Science in Fisheries (Aquaculture)
- Master of Science in Fisheries (Fish Processing)
- Master of Science in Marine Management (Marine Fisheries Technology)
- Master in Fisheries major in Aquaculture Technology
- Master of Science in Marine Biodiversity
- Master of Science Aquaculture
- Master in Marine Fisheries Management
- Master in Fisheries Management (Aquaculture Technology)
- Master in Maritime Management (Plan A and B)
- Master of Arts in Home Economics (Plan A and B)
- Master of Arts in Teaching English for Specific Purposes (Plan A and B)
- Master in Public Management (Plan A and B)
- Master of Arts in Education (Alternative Learning System)
- Master of Arts in Teaching Maritime Transportation (MATMT)
- Master of Arts in Teaching Marine Engineering (MATME)
- Graduate Diploma in Education (Alternative Learning System)

#### Undergraduate Programs

- Bachelor of Science in Aquaculture
- Bachelor of Science in Food Technology
- Bachelor of Science in Secondary Education (English)
- Bachelor of Science in Secondary Education (Filipino)
- Bachelor of Science in Fisheries



## I. Legal Mandate

### 1. Presidential Decree No. 2020

On January 20, 1986, President Ferdinand E. Marcos signed into law Presidential Decree No. 2020 "CONVERTING THE MINDANAO REGIONAL SCHOOL OF FISHERIES INTO ZAMBOANGA STATE COLLEGE OF MARINE SCIENCES AND TECHNOLOGY, DEFINING ITS POWERS, FUNCTIONS, DUTIES, APPROPRIATING FUNDS THEREFOR, AND FOR OTHER PURPOSES".

The ZSCMST is mandated to provide the necessary leadership in professional and technical instruction in fisheries, maritime technology, marine sciences and development management in line with the manpower requirement and other development needs of Western Mindanao and neighboring regions. It shall offer undergraduate and graduate courses in fisheries, maritime technology, marine sciences, **computer technology** and **development management** as well as technical/vocational courses relevant to the needs of fisheries, maritime and other marine resource based industries. It shall provide research in fisheries, and marine sciences and in related agribusiness concerns (Section 3, P. D. No. 2020).

### 2. Republic Act No. 8292

Republic Act No. 8292 provides for the uniform composition and powers of the governing boards, the manner of appointment and term of office of the president of chartered state universities and colleges, and for other purposes.

The Act enunciates the policy of the State to establish, maintain, and support a complete, adequate and integrated system of education relevant to the needs of the people and society. Towards this end, the composition of the governing boards of chartered state universities and colleges is hereby modified in order to:

- (a) achieve a more coordinated and integrated system of higher education;
- (b) render them more effective in the formulation and implementation of policies on higher education;
- (c) provide for more relevant direction in their governance; and
- (d) ensure the enjoyment of academic freedom as guaranteed by the Constitution.