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Republic of the Philippines
HOUSE OF REPRESENTATIVES
Quezon City
NINETEENTH CONGRESS
Regular Session
House Bill. No. 7349



BY REPRESENTATIVE SUN J. SHIMURA

**AN ACT ESTABLISHING THE CEBU TECHNOLOGICAL UNIVERSITY -
INSTITUTE OF AEROSPACE AND MARITIME TECHNOLOGY (CTU-IAMT)
IN THE MUNICIPALITY OF MEDELLIN OR SAN REMIGIO, PROVINCE
OF CEBU, APPROPRIATING FUNDS THEREFOR**

EXPLANATORY NOTE

The Philippines is an archipelagic nation of 7,641 islands, yet our ability to connect, defend, and fully utilize our territory remains constrained by limited domestic technological capability. As the world moves into the "New Space Age" and the "Blue Economy," we risk remaining a mere consumer, rather than a producer and exporter, of advanced technology.

Cebu as Maritime and Aerial Hub. Cebu is widely recognized as the maritime capital of the Philippines, hosting the busiest domestic ports and nearly 80% of domestic shipping operators. It is also an emerging aviation hub, with Mactan-Cebu International Airport and a growing cluster of aerospace-related firms. These advantages make Cebu the strategic site for a national center of excellence that integrates maritime, aviation, and aerospace capabilities.

Need for Aerospace and Space Capability. Beyond commercial aviation, the country must develop sovereign capacity in drones for disaster response and security, satellites for communications and climate monitoring, and rocketry for scientific research and future commercial use. The establishment of the Philippine Space Agency (PhilSA) underscores this direction and requires a strong academic and research partner to produce the needed engineers, technologists, and scientists.

Northern Cebu as "Aero-Marine Space Coast." The municipalities of Medellin and San Remigio in Northern Cebu offer broad, flat terrain for long runways and test facilities, deep-water access for ports and maritime trials, and sufficient distance from dense communities to safely support rocket and other experimental testing. These conditions justify their designation as an "Aero-Marine Space Coast."

Fiscal Responsibility and Sustainability. This bill establishes the Cebu Technological University – Institute of Aerospace and Maritime Technology (CTU-IAMT) as a strategic national asset on a 200-hectare “Dual-Zone” campus, consisting of: (1) an Academic and Research Zone; and (2) a Commercial and Industrial Zone for private locators and technology-based enterprises. The Commercial Zone will enable the Institute to generate its own income and, over time, lessen its dependence on the national budget.

In view of the foregoing, the immediate approval of this bill is earnestly sought.



REP. SUN J. SHIMURA

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OF CEBU, APPROPRIATING FUNDS THEREFOR, AND FOR OTHER
PURPOSES**

Be it enacted by the Senate and House of Representatives of the Philippines
in Congress assembled:

SECTION 1. Short Title. – This Act shall be known as the "CTU Institute of
Aerospace and Maritime Technology Act".

SEC 2. Declaration of Policy. – It is the policy of the State to prioritize
research and development, invention, and innovation. The State recognizes
that as an archipelagic nation, the Philippines requires specialized human
capital and infrastructure to secure its maritime domain and aerospace
sovereignty. Furthermore, the State supports the growth of the national
space ecosystem by establishing academic institutions capable of supporting
rocketry and space technology research.

SEC 3. Establishment. – There is hereby established an institute of the
Cebu Technological University (CTU), to be known as the Cebu Technological
University - Institute of Aerospace and Maritime Technology (CTU-IAMT),
hereinafter referred to as the "Institute," which shall be located in the
Municipality of Medellin or San Remigio, Province of Cebu.

SEC 4. Curricular Offerings. – The Institute shall offer undergraduate and
graduate degree programs and short-term technical-vocational courses
within its areas of specialization. To support the modern demands of the
industry, the curriculum shall include, but is not limited to:

A. Aviation and Aerospace Sector:

- 1 Bachelor of Science in Aerospace Engineering;
- 2 Bachelor of Science in Air Transportation;
- 3 Bachelor of Science in Aircraft Maintenance Technology;

B. Maritime Sector:

- 1 Bachelor of Science in Naval Architecture and Marine Engineering;
- 2 Bachelor of Science in Marine Transportation;

C. Aero-Marine Unmanned Sector:

- 1 Bachelor of Science in Unmanned and Autonomous Systems (covers aerial drones, surface vessels, and submersibles);

D. Allied Engineering: The Institute will also offer allied engineering programs specifically tailored for aero-marine and space applications such as:

- 1 Bachelor of Science in Computer Engineering;
- 2 Bachelor of Science in Electronics Engineering;
- 3 Bachelor of Science in Materials Science and Engineering;
- 4 Bachelor of Science in Mechanical Engineering; and
- 5 Bachelor of Science in Structural Engineering.

SEC 5. Mandate on Research and Innovation. – In addition to its teaching function, the Institute is mandated to lead national Research and Development (R&D) in the following key areas:

- a) Archipelagic Connectivity: Design and development of Hybrid Aero-Marine Vehicles (e.g., Wing-in-Ground Effect craft) and amphibious aircraft.
- b) Space Technology: Development of sounding rockets, small satellite launch vehicles (SLVs), and ground station operations, in support of the Philippine Space Agency (PhilSA)
- c) Maritime Autonomy: Development of Unmanned Surface Vessels (USVs) for border patrol and logistics.

SEC 6. Site and Land Grant. - A parcel of land belonging to the public domain located in the Municipality of Medellin or San Remigio, Province of Cebu, is hereby granted and titled to the Cebu Technological University for the exclusive use of the Institute.

The site shall consist of **at least two hundred (200) hectares with direct access to the sea**. The vast land area is deemed necessary to provide safety buffer zones for aerospace and rocketry testing. The land use shall be divided as follows:

- a) **The Academic and Research Zone (Approx. 100 Hectares):** Reserved exclusively for:

- 1 Academic buildings and laboratory facilities, dormitories, and administration offices;
- 2 Aerospace Facilities: A runway/airstrip, wind tunnels, hangars, and simulation laboratories;
- 3 Maritime Facilities: Towing tanks, simulation laboratories, dedicated training wharf and wet-berthing facility;
- 4 Space Technology Facilities: Rocket engine test stands and assembly clean rooms.

- b) **The Technology Development and Commercial Zone (Approx. 100 Hectares):** Reserved for the establishment of a revenue-

generating hub to support the Institute's financial sustainability, including but not limited to:

- 1 Leasable lots for aerospace and maritime industry partners (e.g., MRO providers, drone manufacturers);
- 2 A commercial boatyard or shipyard for small craft construction;
- 3 Technology incubators for startups in the "Blue Economy" and "New Space"; and
- 4 Mixed-use commercial support facilities.

SEC 7. Capital Outlay Appropriation (Construction Fund). – The amount of **Ten Billion Pesos (Php 10,000,000,000.00)** is hereby appropriated for the initial implementation of this Act, specifically for Capital Outlay. This fund shall be released in tranches over three (3) years and used exclusively for:

- a) Land development, including the specialized hardening of soil for runways and launch pads;
- b) Construction of state-of-the-art academic buildings and laboratories;
- c) Acquisition of heavy assets including training aircraft, vessels, and full-mission simulators; and
- d) Establishment of the "National Center for Rocketry and Space Technology Research".

SEC 8. Annual Operating Budget. – To ensure the continuous and high-standard operation of the Institute, an initial amount of **Five Hundred Million Pesos (Php 500,000,000.00)** is hereby appropriated for the Maintenance and Other Operating Expenses (MOOE) and Personnel Services (PS) for the first year of operation.

Thereafter, the amount necessary for the continued operation and maintenance of the Institute, including the upkeep of high-value aerospace and maritime assets, research operations, and personnel salaries, shall be included in the annual General Appropriations Act (GAA) as a distinct program under the Cebu Technological University.

SEC 9. Revenue Retention and Fiscal Autonomy. – All revenues generated from the Technology Development and Commercial Zone, as well as tuition fees and research grants, shall be retained by the CTU-IAMT and deposited in a dedicated Trust Fund. These funds shall be used exclusively for:

- a) Modernization of equipment;
- b) Research grants for faculty and students; and
- c) Scholarship programs for underprivileged students.

SECTION 10. Administration. – The Institute shall be headed by a Campus Director appointed by the CTU Board of Regents. The Director must possess advanced qualifications in engineering or technology management.

SEC 11. Compliance. – The Institute shall ensure compliance with the standards of CHED, MARINA, CAAP, and the Philippine Space Agency (PhilSA).

SEC 12. Implementing Rules and Regulations. – Within sixty (60) days from the approval of this Act, the Board of Regents of the CTU shall promulgate the necessary rules and regulations for the effective implementation of this Act.

SEC 13. Separability Clause. – If any part of this Act is declared unconstitutional, the remaining parts shall remain in full force and effect.

SEC 14. Repealing Clause. – All laws contrary to this Act are hereby repealed.

SEC 15. Effectivity. – This Act shall take effect fifteen (15) days after its publication in the Official Gazette.

Approved,