

THIRTEENTH CONGRESS OF THE
REPUBLIC OF THE PHILIPPINES
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SENATE

S. No. 563


INTRODUCED BY HON. MANUEL B. VILLAR JR.

EXPLANATORY NOTE

Since it was established in 1972, the Institute for Science and Mathematics Education Development at the University of the Philippines (UP-ISMED), a research and development unit attached to the Education Department of UP has been undertaking programs and activities that contribute to the improvement of science and mathematics education in the country. However, while it showed remarkable influence on the preparation and development of textbooks in science and mathematics, it has not been able to address adequately its research needs in science and mathematics education due to budgetary constraints, lack of national recognition and authority to plan, organize and launch a systematic and integrated program for the development of science and mathematics teachers.

This proposed Bill will create the National Institute for Science and Mathematics Educational Development (NISMED) to specifically upgrade research by investigating the conditions under which science and mathematics are best learned and taught, develop appropriate teaching and learning materials and professionalize teachers, educators, supervisors and school administrators.

Support for the enactment of this Bill is earnestly sought.


MANUEL B. VILLAR, JR.



MANUEL B. VILLAR JR. *Manuel B. Villar Jr.*

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**AN ACT CREATING THE NATIONAL INSTITUTE FOR SCIENCE AND
MATHEMATICS EDUCATION DEVELOPMENT (NISMED) 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. *Title.* – This Act shall be known as the “National Institute for Science and Mathematics Education Development Act of 2004.”

SEC. 2. *Declaration of State Policy.* – It is hereby declared the policy of the State to prioritize education, science and technology research and development, training and service in order to foster patriotism and nationalism, accelerate social progress, and promote total human liberation and development.

SEC. 3. *Objectives.* – The objectives of this Act are:

- (1) To promote and strengthen programs in science and mathematics education at the basic and teacher education levels to attain international competitiveness;
- (2) To focus teacher development on meeting the demands of quality science education to cope with a scientifically and technologically oriented society;
- (3) To hasten the development of higher order thinking skills among the citizens and empower students and teachers for global competitiveness; and
- (4) To promote science consciousness and develop a science culture for the country.

SEC. 4. *Functions of the NISMED.* – In conjunction with these objectives, the University of the Philippines Institute for Science and Mathematics Education Development (UP-ISMED)

shall become the National Institute for Science and Mathematics Education Development (NISMED) which shall perform the following functions:

- (1) To serve as a research and development arm of the government in science and mathematics at the basic and teacher education levels;
- (2) To develop curriculum materials and recommend standards for science and mathematics at the basic and teacher education levels in collaboration with the Departments of Education, Culture and Sports (DECS) and Science and Technology (DOST), and the Commission on Higher Education (CHED);
- (3) To develop and implement programs for teachers and teacher educators in science and mathematics at the basic and teacher education levels;
- (4) To develop and implement programs that will promote science consciousness and development of a science culture in the country in coordination with pertinent agencies of the government; and
- (5) To provide a special scholarship program for qualified teachers in science and mathematics from all over the country.

SEC. 5. *Officers of the NISMED.* – The NISMED shall be headed by a Director and a Chief Executive Officer who shall be appointed by the University of the Philippines President System upon the endorsement of the Chancellor in accordance with existing rules and regulations. The Director shall be assisted by a Deputy Director for Academic Programs and a Deputy Director for Administration, who shall both be appointed by the Chancellor upon the recommendation of the Director.

The Director shall be responsible in implementing the programs and projects of NISMED, its daily operations and in the management of its resources and facilities. The Deputy Director for Academic Programs and the Deputy Director for Administration, respectively, shall assist the Director in these specific functions.

SEC. 6. *The Executive Committee.* – The Director and the Deputy Directors shall be assisted by an Executive Committee (EXECOM) composed of the chairs of the academic workgroups and heads of the administrative sections.

The EXECOM shall advise the Director and the Deputy Directors on the internal policies, plans, programs, and projects of the NISMED.

SEC. 7. *The Advisory Board.* – The NISMED shall have an Advisory Board composed: of the President of the University of the Philippines System, as Chairperson; the Secretaries of the DECS and DOST and the Technical Education and Skills Development Authority (TESDA); the Chancellor of the University of the Philippines; the Dean of the College of Education of the University of the Philippines, Diliman; two (2) representatives from the private sector as may be recommended by the Chancellor and appointed by the President of the University of the Philippines System; and the Director of the NISMED as *ex officio* member.

The Advisory Board shall:

- (1) Provide program and policy advice to the NISMED on science and mathematics education development;
- (2) Assist the NISMED in developing and strengthening linkages with local and foreign institutions and agencies; and
- (3) Assist the NISMED in generating resources for its various programs.

SEC. 8. *Implementing Authority.* – The University of the Philippines Board of Regents is hereby mandated to formulate implementing guidelines to implement the provisions of this Act.

SEC. 9. *The Science and Mathematics Education Development Fund.* – A Science and Mathematics Education Development Fund, herein referred to as the Fund, is hereby established to be managed and administered by the NISMED, which shall be utilized exclusively for research and development and implement training and training-related activities.

The fund shall be derived from the following sources:

- (1) Grants, subsidies, donations or contributions from corporations, trusts, foundations, associations and other sources from any private or government office, agency or corporation in the Philippines or abroad; and
- (2) Yearly appropriations to be provided in the annual General Appropriations Act.

SEC. 10. *Appropriations.* – The amount necessary for the initial implementation of this Act shall be charged against the current budget of the Institute for Science and Mathematics

Education Development under the University of the Philippines. Thereafter, such amounts necessary for the operations of the National Institute for Science and Mathematics Education Development shall be included in the annual General Appropriations Act.

SEC. 11. *Repealing Clause.* – All laws, presidential decrees, executive orders, presidential proclamations, rules and regulations or parts thereof contrary to or inconsistent with this Act are hereby repealed or modified accordingly.

SEC. 12. *Separability Clause.* – If any provision of this Act is declared unconstitutional, the same shall not affect the validity and effectivity of the other provisions hereof.

SEC. 13. *Effectivity.* – This Act shall take effect upon its approval.

Approved,