

Republic of the Philippines
Congress of the Philippines
Senate
Pasay City

Nineteenth Congress

First Regular Session



RESOLUTION No. 57

RESOLUTION CONGRATULATING AND
COMMENDING BATANGAS STATE UNIVERSITY
FOR THEIR EXEMPLARY PERFORMANCE AND FOR
WINNING THE CHAMPIONSHIP IN THE
UNIVERSITY CATEGORY IN THE ENGINEERING
INNOVATION CHALLENGE (EIC) 2022

WHEREAS, Batangas State University (BatStateU) was recently declared as the Philippines' National Engineering University by virtue of Republic Act No. 11694 enacted on 11 April 2022;

WHEREAS, on 19 November 2022, a team of B.S. Electronics Engineering students from the BatStateU emerged as champion in the University Category of the Engineering Innovation Challenge (EIC) 2022 held in Singapore;

WHEREAS, the EIC is an annual competition organized by the Institution of Engineers-Singapore and Science Centre Singapore with the support of the country's Ministry of Education. It aims to provide students from different levels of education a better understanding of the important role of engineering in energy innovation. This is an opportunity to work with professional engineering and business mentors to design or invent a product;

WHEREAS, declared champions of the university category of the 2022 EIC were five (5) Filipino students from the BatStateU namely: Marc James M. Beltran, John Vincent D. Biscocho, Lawrence M. De Castro, Maria Nelly S. Magboo, and Jerico D. Matibag, who were mentored by Dr. Alvin S. Alon, the Head of the Digital Transformation Center at the state university;

WHEREAS, their winning innovation project called Al-Aquaphonics-360 used the Internet of Things and Artificial Intelligence (AI) in an intelligent small-scale aquaponics system. This system is used to monitor and control aquaponics parameters, as well as its botanical and zoological components, and is innovatively designed for food sustainability and security through home urban farming;

WHEREAS, two (2) other BatStateU teams managed to clinch the top ten (10) spots and won "Merit Awards" under the same category, in particular: the entry "Intelligence Road Quality Monitoring System with Vibration Sensing Device and Machine Vision Camera," dubbed as "Al-rover," developed by John Lloyd A. Austria, Alyssa Mharbie T. Aleta, Nicole L. Librea, James D. Mondelo, and John Carlo L. Padua, together with their mentor, Dr. Anton Louise P. De Ocampo, Head of the Electronics Systems Research Center; as well as the entry "Al-optimized 3D-Printed Adsorbents Decorated with Waste PET Plastic-Derived Metal-Organic Frameworks for Effective and Sustainable Wastewater Remediation," dubbed as "AI 3D SET GO," developed by Lawrence V. Portillo, Alvin D. Javier, Andrea A. Rubia, and Abigayle Vince G. Cruz, together with their coach, Dr. Reymark D. Maalihan;

WHEREAS, the outstanding performance of the engineering students from BatStateU is a testament to the ingenuity and brilliance of young Filipinos and their potential to contribute to the country's growth and secure its future through their scientific, innovative, and technological researches and product development. They deserve the highest praise, recognition, and commendation for bringing pride and inspiration to the Filipino people: Now, therefore, be it

Resolved by the Senate of the Philippines, To congratulate and commend Batangas State University for their exemplary performance and for winning the championship in the University Category in the Engineering Innovation Challenge 2022.

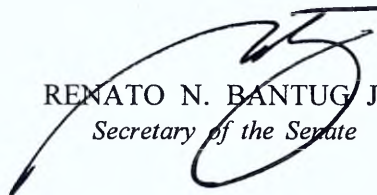
Adopted,



JUAN MIGUEL F. ZUBIRI

President of the Senate

This Resolution was adopted by the Senate on March 22, 2023.



RENATO N. BANTUG Jr.

Secretary of the Senate