



Republic of the Philippines  
PROVINCE OF PANGASINAN  
*Lingayen*  
[www.pangasinan.gov.ph](http://www.pangasinan.gov.ph)

**OFFICE OF THE SANGGUNIANG PANLALAWIGAN SECRETARY**

# CERTIFICATION

**TO WHOM IT MAY CONCERN:**

*THIS IS TO CERTIFY that at the regular session duly constituted of the Sangguniang Panlalawigan, Province of Pangasinan, held on August 19, 2024 at the Session Hall, Capitol Building, Lingayen, Pangasinan, the following provincial resolution was approved:*

Authored by SP Members Haidee S. Pacheco and Philip Theodore E. Cruz

**PROVINCIAL RESOLUTION NO. 808-2024**

**COMMENDING AND CONGRATULATING THE STUDENT-RESEARCHERS OF PANGASINAN NATIONAL HIGH SCHOOL FOR WINNING MULTIPLE AWARDS IN THE RECENTLY CONCLUDED INTERNATIONAL EXHIBITION FOR YOUNG INVENTORS 2024 HELD IN TAIPEI, TAIWAN**

**WHEREAS**, the Provincial Government of Pangasinan honors and commends its outstanding sons and daughters who excellently represented the Philippines in international science and research competitions;

**WHEREAS**, the International Exhibition for Young Inventors (IEYI) is an international event which aims to encourage the creative development, innovation and unification of young inventors around the world;

**WHEREAS**, the Pangasinan National High School student-researchers are one of the representatives from the Philippine Team in the recently concluded International Exhibition for Young Inventors which was held in Taipei, Taiwan on August 2-9, 2024;

**WHEREAS**, the Pangasinan National High School student-researchers have once again brought honor to the Philippines, and most especially to the Province of Pangasinan, for showcasing exceptional scientific skill and inventive prowess during the said event;

**WHEREAS**, the following innovative and witty students who exhibited their respective groundbreaking research projects and inventions towards disaster management, environmental protection and information technology competed against over 800 young innovators from 21 countries all over the world and won the following medals in the said competition, to wit:



Republic of the Philippines  
PROVINCE OF PANGASINAN  
Lingayen  
[www.pangasinan.gov.ph](http://www.pangasinan.gov.ph)

**OFFICE OF THE SANGGUNIANG PANLALAWIGAN SECRETARY**

Provincial Resolution No. 808-2024  
Page 2

TEAM MEMBERS	MEDAL	INVENTION
Mark Jarcnel Bandong Jzea Ysl Caronongan Ramel Tungpalan	Gold	“LIYAB: Solar-powered Arduino-based Alert and Mitigation System using Sensor Array and Water Sprinkler Against Wildfires”
Princess P. Aquino Francess Lyn B. Cudal	Bronze	“SEARAPID: Arduino-based Solar Powered Ocean Acidification Monitoring and Alerting Device Addressing Coral Bleaching”
Marhianette Gayle A. Hidalgo Althea Raven T. Miranda	Bronze	“NALIKAS: Optimizing Energy Conservation via Short Message Service and Smartphone Application Through Smart Appliance Management Systems”
Mariane Joy V. Castro Jimi Kalyx D. Sison Yuan Kyle Zacchary T. Uy	Silver	“DANUM: Smart Water Leak Detecting and Prevention System via Rainwater Sensor and Solenoid Valve”

**WHEREAS**, Team LIYAB also received Platinum Award for their invention, thereby placing the Philippines at the forefront of global innovation in the field of science and technology, while Team SEARAPID has likewise received Special Award from Russia;

**WHEREAS**, the remarkable achievements of these young Pangasinense inventors have brought not only international recognition, but also deep pride and admiration of what can be accomplished through hard work, perseverance, and a passion for research and innovation;

**WHEREAS**, such recent feat of these victorious inventors is a clear testament of Pangasinan National High School’s continuous commitment to academic excellence and fosters collaboration, creativity and enthusiasm for discovery among young minds;

**WHEREAS**, the abovementioned student-researchers from Pangasinan National High School have shown steadfast dedication and commitment to their role as youths and students representing the country, the Region, and the Province of Pangasinan, not to mention the full support and fitting guidance of their Research Advisers/Coaches, Mr. Ronnie Absalon, Ms. Rowena Somintac and Ms. Marianne Soriano; including key administrators, Dr. Adelina D. Vinluan, Dr. Miriam S. Eaton, and Mrs. Ditas M. Lopez; and the School Head, Dr. Mariela N. Calima;