Republic of the Philippines
QUEZON CITY COUNCIL
Quezon City
23rd City Council

PR23CC-1122

73rd Regular Session

*RESOLUTION NO. SP-*10767*, S-2026*

A RESOLUTION EXTENDING THE SINCEREST COMMENDATION AND CONGRATULATIONS OF THE QUEZON CITY GOVERNMENT, HEADED BY THE CITY MAYOR, HONORABLE MA. JOSEFINA G. BELMONTE, THE CITY VICE MAYOR, HONORABLE GIAN G. SOTTO, AND THE HONORABLE MEMBERS OF THE 23RD QUEZON CITY COUNCIL TO ANDREW JACOB BUENSALIDO AND ALLYSON CABRESTANTE OF THE UNIVERSITY OF THE PHILIPPINES DILIMAN FOR BEING NAMED THE PHILIPPINE NATIONAL WINNERS OF THE 2026 JAMES DYSON AWARD FOR THEIR INNOVATIVE LOW-COST, SEMI-AUTOMATED PERITONEAL DIALYSIS MACHINE, "BIDAKIDNEY"

Introduced by Councilors JHON ANGELLI "Sami" C. NERI, ATTY. CHRISTOFFER ALLAN "Tope" LIQUIGAN, DOROTHY A. DELARMENTE, M.D., WENCEROM BENEDICT C. LAGUMBAY and ATTY. JESUS MIGUEL SUNTAY

Co-Introduced by Councilors Bernard R. Herrera, Joseph P. Juico, Charm Ferrer, CPA, MPA, JD, Nicole "Nikki" V. Crisologo, Candy A. Medina, Atty. Voltaire Godofredo "Bong" Liban III, Dave C. Valmocina, Ranulfo "Tatay Rannie" Z. Ludovica, Geleen "Dok G" Lumbad, Don S. De Leon, Luigi D. Pumaren, Atty. Vicente Belmonte Jr., Edgar "Egay" G. Yap, Nanette Castelo Daza, Imee Rillo, Raquel S. Malañgen, Joseph Joe Visaya, Aiko Melendez, Alfred Vargas, MPA, Karl Edgar Castelo, Shaira "Shay" L. Liban, Ram V. Medalla, Maria Eleanor "Doc Ellie" R. Juan, O.D., Emmanuel Banjo A. Pilar, Kristine Alexia Matias, RN, Victor "Vic" D. Bernardo, Vito Sotto Generoso, Erwin Rey "Cocoy" A. Medina, and Jose Maria "Mari" M. Rodriguez

---

WHEREAS, the James Dyson Award is an international design and engineering competition that recognizes young innovators who develop practical solutions to real-world problems through engineering and technology;

WHEREAS, Andrew Jacob Buensalido and Allyson Cabrestante of the University of the Philippines Diliman were named the Philippine National Winners of the 2026 James Dyson Award for their project, "BiDaKidney," a low-cost, semi-automated peritoneal dialysis machine;

WHEREAS, BiDaKidney was developed to address the challenges faced by patients requiring peritoneal dialysis by making the treatment process simpler, more portable, and potentially more accessible to patients who may have limited access to costly automated dialysis systems;

WHEREAS, the device is designed to work with widely available peritoneal dialysis sets and uses peristaltic pumps and load cells to automate the delivery and measurement of dialysis fluid, thereby reducing the amount of manual handling required during treatment;

WHEREAS, weighing approximately 2.5 kilograms, BiDaKidney was designed to be lightweight and portable, allowing patients greater flexibility in performing peritoneal dialysis at home, school, or work, subject to appropriate medical supervision and further clinical validation;

WHEREAS, the project was developed with affordability as a major consideration, with its developers estimating that the device could provide automated therapy at around one percent of the cost of commercial automated peritoneal dialysis cyclers;

WHEREAS, prior to earning the national title in the James Dyson Award, BiDaKidney received the Dr. Francis Chua Innovation Award after placing first in the 2026 University Project Competition - Design Category of the UP Diliman College of Engineering, and was likewise recognized as the Best Capstone Project of the UP Department of Mechanical Engineering;

WHEREAS, following their national victory, Buensalido and Cabrestante advanced to the international stage of the James Dyson Award, where their project will be evaluated alongside other national winners and runners-up from participating countries;

WHEREAS, the developers intend to continue refining BiDaKidney, including improvements in usability and safety, preparations for scalable manufacturing, and formal clinical testing and broader patient evaluation;

WHEREAS, the achievement of Buensalido and Cabrestante exemplifies the ingenuity, creativity, and social consciousness of young Filipino innovators who apply science and engineering toward addressing pressing healthcare challenges faced by Filipino patients and families;

WHEREAS, the University of the Philippines Diliman, located in Quezon City, is one of the Country's foremost centers of higher education, research, science, engineering, and innovation, and the recognition earned by its graduates is a source of pride not only for the University but also for Quezon City and its residents;

WHEREAS, their achievement likewise underscores Quezon City's important role as a home to institutions, researchers, scientists, engineers, and innovators whose work can contribute meaningful solutions to challenges confronting communities throughout the Philippines.

NOW, THEREFORE,

BE IT RESOLVED BY THE CITY COUNCIL OF QUEZON CITY IN REGULAR SESSION ASSEMBLED, to extend, as it does hereby extend, the sincerest commendation and congratulations of the Quezon City Government, headed by the City Mayor, Honorable Ma. Josefina G. Belmonte, the City Vice Mayor, Honorable Gian G. Sotto, and the Honorable Members of the 23rd Quezon City Council to Andrew Jacob Buensalido and Allyson Cabrestante of the University of the Philippines Diliman for being named the Philippine national winners of the 2026 James Dyson Award for their innovative low-cost, semi-automated peritoneal dialysis machine, "BiDaKidney."

RESOLVED FURTHER, that the Quezon City Council recognizes their innovation, dedication, and commitment to developing more accessible healthcare technologies and expresses its support for Filipino scientists, engineers, researchers, and innovators whose work seeks to improve the quality of life of patients and communities.

RESOLVED FINALLY, that copies of this Resolution be furnished to Andrew Jacob Buensalido, Allyson Cabrestante, and the University of the Philippines Diliman for their information and appropriate recognition, respect, and solidarity of the people and officials of Quezon City.

ADOPTED: October 5, 2026.

CERTIFICATION

This is to certify that this Resolution was ADOPTED by the City Council on Second Reading on October 5, 2026 and was CONFIRMED on October 12, 2026.

MIKEY F. BELMONTE
President Pro-Tempore
Acting Presiding Officer

ATTESTED:

ATTY. JOHN THOMAS S. ALFEROS, III
City Government Department Head III
(Secretary to the Sanggunian)