

4TH GAWAD PANGUILO

Award for Excellence in Public Service



16 December 2021
Virtual Awarding Ceremony

Message from the President

Magandang umaga po sa iyong lahat.

Nandito po tayo muli upang magbigay-pugay sa mga nagpakita ng husay, dangal at tunay na malasakit sa paghatid ng serbisyong pampubliko na inaasahan ng taumbayan mula sa UP, ang pambansang pamantasan ng Pilipinas.

Binabati ko ang 15 na namumukod-tanging proyekto mula sa iba't ibang constituent unit ng UP na paparangalan ngayon ng Gawad Pangulo Award for Excellence in Public Service. Para sa taong ito, kinikilala natin ang mga nag-alay ng kanilang kaalaman, kadalubhasaan, panahon at lakas upang tugunan ang mga pangangailangan ng ating mga komunidad at mamamayan sa gitna ng pandaigdigang krisis sa kalusugan. Malikhain, mapamaraan at mabisa—kayo at ang inyong mga proyekto ay nagsisilbing inspirasyon at halimbawa para sa amin sa UP at sa mga susunod na henerasyon ng mga pinuno at lingkod-bayan ng Pilipinas.

Universities have long served three functions: teaching, generating new knowledge through research, and rendering extension services. With escalating global crises such as this pandemic and climate change, and with the advent of the Fourth Industrial Revolution, universities have become even more mindful of their social responsibility: to produce ethical professionals, transformative leaders, and critical and engaged citizens; and to directly impact their societies by utilizing their knowledge resources and innovations to address complex issues such as poverty, inequality, and environmental degradation.

In this respect, UP is unique as it enshrines the university's third function in its mandate, emanating from the laws of the land. This fourth installment of the Gawad Pangulo: Award for Excellence in Public Service—the third to be held during my term—is a testament to our administration's commitment to upholding the University's mandate to lead as a public service university by relating "its activities to the needs of the Filipino people and their aspirations for social progress and transformation."

It has always been a source of pride for me to witness the many and varied ways the UP community has embraced our public service mandate. Thus far, for the Gawad Pangulo for public service, we have had 64 public service programs and projects from different units all over the UP System that vied for recognition. And including the awardees for this year, a total of 28 public service programs and projects will have received this prestigious award.

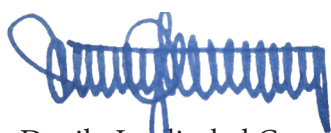
The fourth installment of the Gawad Pangulo aims to honor the creative, innovative, and practical strategies of UP units in responding to the pandemic's unprecedented challenges and ensuring the continuity of these programs and projects for the benefit of the different publics that the University serves. This Gawad Pangulo is unique in that it distinguishes the initiatives that sought to address the impact of COVID-19 on vulnerable sectors.

All the nominated initiatives this year have responded to different needs that arose due to the pandemic. This year alone UP has taken the lead in calibrating local and national pandemic responses. The University expanded its testing capacity by establishing laboratories, capacitating teachers and students in the shift to remote learning, and providing educational resources adapted for remote learning, alleviating the plight of vulnerable communities, creating platforms / utilizing existing technologies to make services more accessible to the public, and promoting accurate and timely information to help combat misinformation and disinformation.

Among the nominees, this year's Gawad Pangulo cites fifteen public service initiatives for responding uniquely to the specific needs of target beneficiaries. These initiatives also inspire the implementation of similar enterprises. Their wide-ranged and long-term impact, their unique strategies, and the collaborations they have forged inside and outside the University ensure that the initiatives are well-informed and responsive to identified needs and enhance UP's teaching and research functions.

With that said, I commend each UP unit that has undertaken public service initiatives, whether these are easing our people's burdens under the pandemic or addressing other pressing concerns. Our students, faculty and researchers, administrative staff, and alumni are truly demonstrating what it means to be **Iskolar ng Bayan**—honor and excellence harnessed in compassionate service to the Filipino people and humanity.

Maraming salamat po sa inyong tapat at walang-humpay na paglilingkod sa bayan. Mabuhay kayong lahat!



Danilo Lardizabal Concepcion
President of the University of the Philippines



The Gawad Pangulo for Excellence in Public Service

The award is anchored on the University's mandate to "lead as a public service university by providing various forms of community, public, and volunteer service, as well as scholarly and technical assistance to the government, the private sector, and civil society while maintaining its standard of excellence." It aims to enhance the visibility of university-based public service undertakings; advocate professionalism in their implementation; and promote best and innovative practices for dissemination, support, replication for the greater use and benefit of UP's various stakeholders.

The theme of the awards is "Galing UP, Lingkod Bayan" as it aims to recognize initiatives that exemplify *dangal* (honor) and *husay* (excellence). Dangal (Honor) refers to the high ethical standards exercised in the development and implementation of the program or project, including the manner through which such ethical standards are imparted to the target public or agency. It also refers to the honor of being in service to the nation, especially those who need it most. Husay (Excellence) refers to excellence in content, methodology, application and innovation of the public service program or project, including the high degree of professionalism in its development and implementation.



Selection Criteria

Service Orientation

Impact on the Community

Innovation

Approach

Enhancement of Teaching and Learning

The Selection Committee



Dr. Jose Y. Dalisay Jr.

Professor Emeritus

Dr. Jose Y. Dalisay Jr. has published over 40 books of fiction and nonfiction in both English and Filipino, and has won many major awards for his writing, including the TOYM, the Palanca Hall of Fame, the Gawad Balagtas, and the CCP Centennial Honors List. He retired in 2019 after serving as Vice President for Public Affairs. He is a Professor Emeritus of English at UP and is a member of the Board of Trustees of the Akademyang Filipino.



Dr. Maria Luisa T. Camagay

Professor Emeritus

Dr. Maria Luisa T. Camagay is a Professor Emeritus of the Department of History.



Dr. Ida Josephine ML. Siason

Professor Emeritus

Dr. Ida M.L. Siason is a Professor Emeritus of UP. She served as Chancellor of UP Visayas and Psychology faculty of the Division of Social Sciences.

THE NOMINEES

UP Baguio

Exploratory data analysis (EDA) of Baguio City COVID-19 cases: Daily Updates

Department of Mathematics and Computer Science, College of Science
Office of Public Affairs

UP Cebu

Virtual Action Research Mentoring (ARM) for Island Public School Teachers

UP Cebu Ugnayan ng Pahinungod

UP Los Baños

UPLB OVCSA COVID-19 Initiatives (Lingap, Hatid, Kawingan, Kumustahan & Wellbeing Registry)

Office of the Vice Chancellor for Student Affairs

Edible Landscaping: The Artistic Technique of Crop Production

College of Agriculture and Food Science

Establishment of the UPLB COVID-19 Molecular Diagnostic Laboratory (CMDL) under task Force Laban ng Bayan Kontra COVID-19 (LB Kontra COVID-19)

UPLB-CMDL

UPLB SHIELD vs COVID-19

Vice Chancellor for Community Affairs

UP Manila

Bayanihan Na! Operations Center

College of Medicine

Community-Based Covid Initiatives Within The Cavite-AMIGA-UP Community- Based Partnership Program with the UP Manila CHDP as the lead unit of UP within the Partnership Program

UP Manila CHDP

Stop COVID Deaths Webinar Series: Clinical Management and Virtual Grand Rounds

National Institutes of Health - National Telehealth Center

UP Surgical Innovation and Biotechnology Laboratory Program

College of Medicine

Rapid Evidence Reviews on COVID-19 Management

Institute of Clinical Epidemiology, NIH

PGH COVID TeleGabay Program

Philippine General Hospital

Co-Operasyon Rural Surgery Program

Department of Surgery Philippine General Hospital

Public Health in the Time of COVID-19 and the New Normal: British Embassy Manila UP College of Public Health Webinar Series for Public Health Workers

College of Public Health

Safely Transforming the University Hospital to a COVID-Referral Hospital

PGH Hospital Infection and Control Unit (HICU)

Provision of Technical Assistance to the Commission on Higher Education (CHED), State Universities and Colleges

College of Public Health

2021 UNP-TNK TELECONSULTATION (Teleconsultation Plus)

Ugnayan ng Pahinungod Manila

Disaster Response during the Pandemic

Ugnayan ng Pahinungod Manila

UP Mindanao

SAVE Food Systems

School of Management

UP Open University

Online Bridge Program

UPOU Faculty of Education

UPOU Ugnayan ng Pahinungod

#OpenFight (Open Fight Against COVID-19)

Office of the Chancellor

UP Visayas

ACTI(on) Research Project (Assistance, Collaborations, Trainings, and Other Interventions on [ACTIon] Research Project)

College of Arts & Sciences
Community Outreach Program (COP)-BIDANI
Division of Professional Education

Production of Ethanol-based Hand Rub for Frontline Workers

School of Technology

UP Diliman

UP Diliman Psychosocial Services (UPD PsycServ)

Office of the Chancellor

Resource on Demand (Formerly Document Delivery Service)

University Library

University Library LEAD Kits: Converging Knowledge and Action during the Pandemic

University Library

UP College of Engineering Covid-19 Response

College of Engineering

Lingap Legal sa Panahon ng Pandemya

College of Law

Communication and Media Research Learning Objects

Department of Communication Research College of Mass Communication

UP Diliman COVID-19 Task Force

Office of the Chancellor

UP Diliman COVID-19 Response Volunteers (UPD CRV)

ALL UP ACADEMIC EMPLOYEES UNION, Volunteers; ALL UP WORKERS ALLIANCE, Volunteers

UP System

COVID-19 Biosurveillance and Testing

Philippine Genome Center

THE AWARDEES

Stop COVID Deaths Webinar Series: Clinical Management and Virtual Grand Rounds

*National Institutes of Health-National Telehealth Center
University of the Philippines Manila*



Pioneered at the very start of the pandemic and still the only initiative of its kind to date, the “Stop COVID Deaths” webinar series brings UP’s sharpest minds to bear on the problems and issues surrounding COVID-19. The initiative has enabled UP’s distinguished alumni in their various fields of expertise—from medicine to public administration to mass communication—to work together in a shared space that is free and openly accessible to the public at large.

UP was the first public service university to inform medical practice and pandemic response throughout the Philippines among clinicians, hospital administrators, and researchers in this manner. The earliest episodes focused on the clinical management of patients’ complications from COVID-19. Spurred by the positive audience response to this first season, succeeding episodes were transformed into virtual grand rounds, building on UP PGH’s expertise as a teaching hospital to bring frontline medical education to the entire country. Later still, the series expanded to include virtual town hall meetings to enable free-flowing discussion and to provide a safe space where medical frontliners could find solace and draw emotional strength.

As of this writing, the initiative continues to serve as a platform for discussions on everything from vaccination options, procurement, and strategies to conversations on mid- and long-term socioeconomic recovery strategies. In this way, “Stop COVID Deaths” epitomizes UP’s ideal of a One University guided by Honor, Excellence, and Democratic Governance, utilizing its alumni’s Innovativeness and Creativity towards Accessibility and Responsiveness to peoples’ needs.



UP Surgical Innovation and Biotechnology Laboratory Program

*College of Medicine
University of the Philippines Manila*



The UP-SIBOL (UP Surgical Innovations & Biotechnology Laboratory) is a group of healthcare professionals, engineers, and scientists from colleges across 2 UP campuses collaborating to address our perennial lack of locally made biomedical equipment. It was established in December 2019 through a DOST grant.

As the country was struck by the pandemic and posed numerous challenges to fellow Filipinos, UP-SIBOL members decided they could not sit idly by. Committed to protecting frontliners, with neither financial resources nor equipment, the UP-SIBOL COVID Task Force was convened with 3 teams: 'PPE', 'disinfection' 'telemonitoring' to 'defend', 'disinfect' and 'distance'; and 10 subgroups, each led by a clinician and an engineer with volunteer specialists from across UP Colleges—with the platforms such as Viber and Zoom fueling the collaboration. Despite lockdowns and travel restrictions, teams scoured the city for components, created make-shift factories in UP facilities and sought support from friends and from PCHRD. The team even worked during the weekends, endured infections, and innovated much-needed prototypes with the meager resources available.

Team successes have translated into antiCOVID device deployment at PGH and a heightened interest in collaborations across the Pasig to create biomedical devices, resulting in SIBOL-sponsored meetings between UPM and UPD, Health Innovation Lectures, a first-time health innovation course offering, student immersion with UP-SIBOL projects and even requests from DOH offices for joint projects. The UP-SIBOL, in the tradition of UP leadership, resilience, and dedication to the underserved, turned the pandemic crisis into an opportunity and has initiated an unprecedented collaborative movement among clinicians, engineers, and scientists to offer additional hope for more equitable health care for Filipinos.

Bayanihan Na! Operations Center

*College of Medicine
University of the Philippines Manila*



The COVID-19 pandemic is the largest outbreak of atypical pneumonia since severe acute respiratory syndrome (SARS) in 2003. The University of the Philippines-Philippine General Hospital (UPM-PGH) was designated as a COVID-19 referral center on March 23, 2020. UP Alumni, foundations, and corporate citizens with access to resources began donating what they could to ensure the health of frontliners in the fight against COVID-19.

The succeeding turn of events led to the organization of UP-PGH Bayanihan Na Operations Center (UP-PGH BNOC) to streamline and handle all concerns on COVID-19 at UP-PGH. A hotline number 155-200 was dedicated for PGH's response to the COVID-19 pandemic. This project brought honor and excellence to the University as this was a pioneering effort of the University during this pandemic. The first arm was focused on the patients and made healthcare accessible to patients even during the quarantine. This was done by providing a means for patients (old and new to PGH) to inquire regarding their symptoms or other medical concerns such as scheduling, continuing maintenance medications, and other non-serious complaints over the phone or remotely offer a lot of benefits. Through this, the patients can be more efficiently referred for hospitalization and COVID testing, which also decongested potential unnecessary consults to the Emergency Department and OPD. The BNOC can provide reassurance, allay fears and emphasize COVID prevention advice among patients. The second arm was focused on providing adequate PPE for frontliners. This timely response was the innovation needed to organize the donation process as well as accountability to donors.

PGH COVID TeleGabay Program

*Philippine General Hospital
University of the Philippines Manila*

**KAILANGAN MO BA
NG LIBRENG PAYO
TUNGKOL SA
COVID-19?**



HANDA KAMING TUMULONG SA IYO.

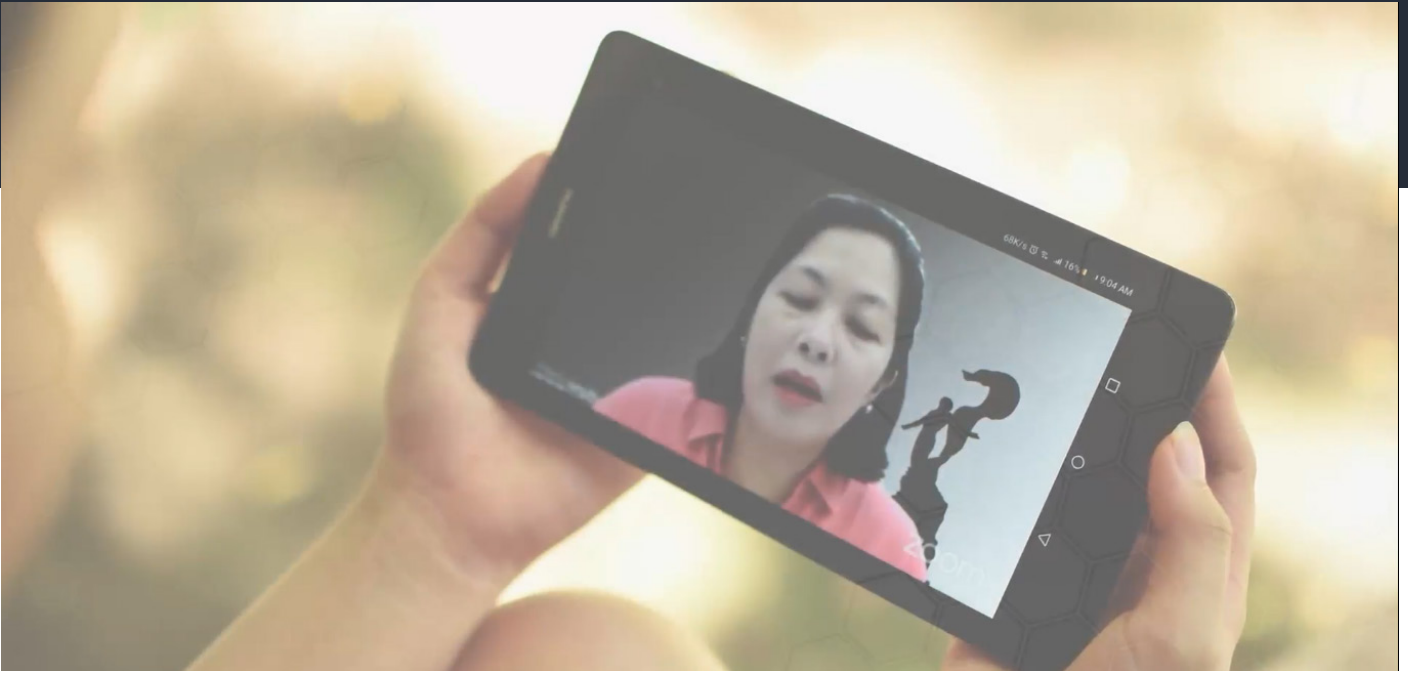


The PGH COVID TeleGabay Program was initiated during the second surge of the SARS-CoV2 infection in March 2021, when the healthcare system in NCR was overwhelmed with consults and admissions. The initial goal was to decongest the emergency rooms and hospitals from asymptomatic and mild patients by providing this venue for licensed doctors to guide or “gabay” patients and their families to manage their infections at home, if possible.

The program aimed to facilitate the engagement of our patients to licensed, competent, and compassionate doctors who volunteered to provide the much-needed advice and/or instructions during the surge when doctors were not easily accessible, and hospitals were full and strained. This initiative reflected the responsiveness and dedication of the community of doctors who were willing to serve our people despite the limitations and health challenges everyone was facing.

#OpenFight (Open Fight Against COVID-19)

University of the Philippines Open University



In March 2020, many areas in the country were put on a lockdown with the start of the community transmission of the COVID-19 virus. Schools were immediately closed to protect everyone from the effects of the pandemic, which has been considered to have resulted in the biggest disruption in education in history. Schools were forced to embrace remote instruction, ready or not—and in most cases, not ready—to ensure that learning would continue for various types of learners.

Recognizing the problem of urgently and massively training the teachers at the various levels of education, the UPOU, as part of the only national university in the country and with more than 20 years of doing distance e-learning (DeL), crafted a rapid response system to help the country's education sector to immediately shift to remote instruction. The rapid response system, which represents the public service initiative being described here, has the following features:

1. It used the innovative and only possible mechanism for a training program in the time of the pandemic: distance eLearning.
2. To facilitate inclusion of as many teachers as possible, the training program was offered for free under the open education program of the university: free webinar sessions for the synchronous lectures and Massive Open Online Courses (MOOCs) for the guided online workshops. This open education framework removes the cost barrier which could have prevented many schools from sending their teachers due to lack of financial resources to support this emergency need for training.
3. Partnerships with other organizations and academic institutions to further facilitate inclusion and efficiency in terms of reaching as many areas and teachers as possible.

The project started on March 9, 2020 in anticipation of the need to implement technology-enhanced/technology-enabled instruction. What was supposed to be just an emergency response system, became a full-blown public service initiative that would continuously respond to the evolving needs of the teachers and school administrators. The initiative was later dubbed as #OpenFight to project inclusion in this fight against the pandemic and to position it as an initiative of UPOU. The first webinar session was conducted on March 13, 2020, just a few days before the declaration of lockdown and the announcement was made through the university's social media pages, email blasts to the university network, etc.

The project evolved to respond to the following observed/projected needs of the teachers and school officials/administrators:

1. From March -July 2020: The need to complete the semester/academic year which was cut short because of the unplanned lockdown.
2. From July 2020-October 2020: The need to prepare for the SY 2020-2021 school year and taking into consideration the experiences in the emergency remote instruction.
3. From October 2020-August 2021: The need to improve implementation of distance eLearning to ensure quality education.

SAVE Food Systems

*School of Management
University of the Philippines Mindanao*



The University of the Philippines (UP) Mindanao, along with its faculty, staff, students, and partner universities and agencies, has undertaken collaborative efforts to provide help, especially to those who needed it most during a crisis such as this COVID-19 pandemic. Among these public service efforts were the extension services initiated by the “Strengthening Against Vulnerabilities and Externalities (SAVE) Food Systems” Team of the UP Mindanao School of Management headed by Prof. Glory Dee Romo.

The initiative had three major services: (1) Helping local food systems recover from COVID-19 impacts: An extension service to Indigenous People community. This was an extension service to the IP community in Barangay Manuel Guianga, Davao City, which aimed to promote health and wellness, environmental consciousness, food sustainability, and food availability and accessibility amidst the COVID-19 crisis. Activities included tree planting, distribution of vegetable seeds, hygiene and safety kits, and distribution of food packs. (2) Hygiene, safety kits, and vegetable seeds distribution to 30 farmers and traders in Barangay Kapatagan in Digos City, Marilog District in Davao City. (3) SAVE Food Systems through Food Safety Training: An extension service to micro, small, and medium enterprises (MSMEs) in the food processing sector. With the free training, each MSME can save a substantial cost in the required training on good manufacturing practices (GMP) and quality management. Certificates given to participants are presented to the Food and Drug Administration (FDA) of the Department of Health (DOH) as one of the requirements for the renewal of MSMEs’ License to Operate (LTO).

Establishment of the UPLB COVID-19 Molecular Diagnostic Laboratory (CMDL) under Task Force Laban ng Bayan Kontra COVID-19 (LB Kontra COVID-19)

Office of the Chancellor, Office of the Vice Chancellor for Research and Extension, Office of the Vice Chancellor for Planning and Development, Office of the Vice Chancellor for Administration, Office of the Vice Chancellor for Community Affairs, College of Engineering and Agro-Industrial Technology, UPLB COVID-19 Molecular Diagnostic Laboratory



The year 2020 is considered by many as a lost year because of the tremendous and immeasurable disruptions and impacts on people's lives brought by the COVID-19 pandemic. All countries, governments, agencies, communities, and organizations instituted various programs in response to the pandemic. The University of the Philippines Los Baños, being a national university, answered the call of the times and embarked on a difficult task of establishing a testing laboratory for the RT-PCR detection of SARS-Cov2, the causative agent of COVID-19. With the issuance of AO 159 by then Chancellor Fernando C. Sanchez, Jr. on April 3, 2020, the TASK FORCE LABAN NG BAYAN KONTRA COVID-19 (LB Kontra COVID-19) was constituted. The Task Force was led by then Vice Chancellor for Research and Extension Rex B. Demafelis and consisted of several experts who led the subcommittees focused on various public service responses to the pandemic. One of which was the subcommittee on the Establishment of a COVID-19 Testing Center in UPLB led by Dr. Jessie Imelda F. Walde. Ultimately, the shared efforts of the Task Force have led to the establishment of the UPLB COVID-19 Molecular Diagnostic Laboratory (UPLB-CMDL), which has become a subnational testing center that enhanced the testing capacity of the country and assisted the local contact tracing efforts across Laguna and nearby provinces.

UPLB OVCSA COVID-19 Initiatives (Lingap, Hatid, Kawingan, Kumustahan & Wellbeing Registry)

*Office of the Vice Chancellor for Student Affairs
University of the Philippines Los Baños*



COVID-19 ravaged the lives of Filipinos, including students of the University of the Philippines Los Baños (UPLB). With the abrupt declaration of the Enhanced Community Quarantine (ECQ), the country was placed under a state of public health emergency with little preparation, disrupting the overall operation of UPLB and its nearby communities, and leaving around 2000 students stranded within the campus with no access to food, transportation, and other essential services. To address student concerns efficiently, the newly elevated UPLB Office of the Vice Chancellor for Student Affairs (OVCSA) performed public service initiatives to answer the call of desperate times.

Four major programs were initiated: Oplan Kumustahan to assess their health and wellbeing; Lingap: Adopt-a-dormer Donation Program to gather resources needed to implement other programs; Oplan Hatid to reunite students with their families, and Oplan Kawingan to supply

students with cooked meals or food resources. These initiatives raised about PHP 4.6 million in cash and approximately PHP 2 million-worth of in-kind donations. It also mobilized around 500 students, alumni, organizations, and individual volunteers, sending out a ripple of kindness and oneness in transporting and providing food to our students and the community. Some of the ongoing initiatives branched into equally compassionate programs, like the UPLB COVID-19 Student Registry and Wellbeing, which assisted students and their households affected by the virus.

The birth of OVCSA will always be remembered perhaps in conjunction with COVID-19, but more so in terms of compassion, volunteerism, and genuine service for the students, for the Filipino people.



Lingap Legal sa Panahon ng Pandemya

*College of Law
University of the Philippines Diliman*



#UPLawHelps

As part of the Clinical Education Program (CLEP) of the UP College of Law, the Office of Legal Aid provides legal assistance to indigent clients pursuant to Rule 138-A of the Rules of Court. Notwithstanding the onslaught of the COVID-19 pandemic, UP OLA continued to provide legal services to indigent clients. With its Lingap Legal sa Panahon ng Pandemya, UP OLA widened its services to the general public by providing legal assistance and representation, especially to victims of abuses of State agents who weaponized the pandemic to oppress the citizenry.

UP OLA was the primary partner of UP LAWHELPS, an initiative of the College of Law to provide online legal advice and assistance to the general public. It also partnered with the Commission on Human Rights and non-government organizations to provide inclusive and effective access to justice during the pandemic. Among others, UP OLA provided legal assistance to lumads whose rights are under constant threat from certain forces especially during this pandemic.

COVID-19 Task Force

University of the Philippines Diliman



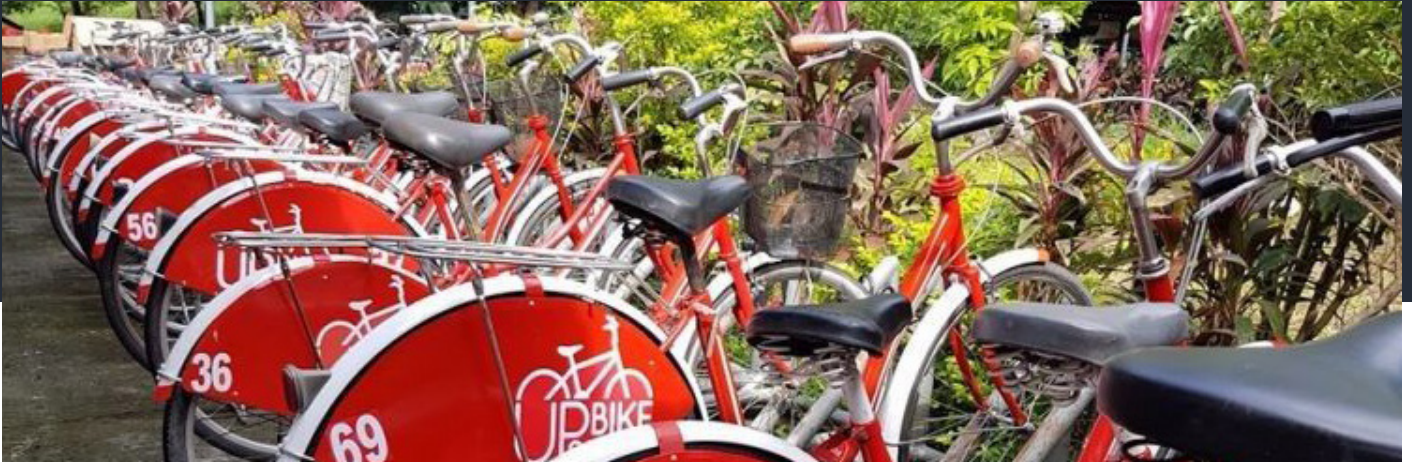
Formed in March 2020, the UP Diliman COVID-19 Task Force is responsible for formulating, directing, and implementing UPD's pandemic response. It brings together faculty, staff, students, and health workers who come from the fields of medicine, public health, sciences, humanities, social sciences, law, social work and community development, demography, information technology, and others. Since its inception, the members have lent their expertise and provided multidimensional perspectives to a complex and evolving problem for the past one and a half years.

In developing its pandemic response, the Task Force recognized the uniqueness of UP Diliman as a community—counting not only its students, faculty, and staff but also a population of about 56,000 residents from within and surrounding the campus; the University does not exist outside the larger community. Its principle is anchored in the idea that whatever happens in the community affects the entire University, and whatever happens on campus also impacts the communities around it.

The Task Force's response to the pandemic was diverse, widespread, integrated, and evidence-based. It was developed over time and took many minds and months of discussion to consolidate. The group met regularly, every Wednesday, without fail. It mobilized and committed the resources of the University to mount and sustain its work toward (1) ensuring good health and safety of UPD constituents and residents of nearby areas, and (2) to minimize the socioeconomic impacts of COVID-19. Using the public health framework of “test, trace, isolate,” it has been implementing and overseeing the following: (1) community isolation facilities (Kanlungang Palma and Silungang Molave), (2) contact tracing efforts, (3) RT-PCR testing facility, (4) community engagement and community information campaigns, and (5) vaccination facility (Bakunahan sa Diliman). These are designed to promote physical and mental wellness, prevent the transmission of the virus, and manage suspect and confirmed COVID-19 cases.

UP College of Engineering Covid-19 Response

*College of Engineering
University of the Philippines Diliman*



As COVID-19 wreaked havoc on our society, the UP College of Engineering (UPCoE) was spurred to action with the aim of providing engineering solutions to the critical needs of the country. A UPCo CoViD-19 Response Team (CRT) was formed and was mandated to help facilitate the creation and implementation of specialized projects that provided engineering solutions related to the needs of the community during the pandemic. Under the guidance of the team, a total of 14 projects were approved for implementation, which is a testament to the pool of brilliant minds in the faculty. These projects were assessed as an expedient and urgent response to the crises, and these include:

1. 3D Printing Solutions for Frontliners
2. Prototype Adult Ventilator
3. Tracking High-Risk Individuals and Tracking Medical Supplies
4. Disinfection and Decontamination through Plasma Cleaning
5. Disinfection of PPE via UV Light
6. ChlorGen: Onsite Hypochlorite Disinfectant Generation via Brine Water Electrolysis
7. Design and Prototyping of a Powered Air-Purifying Respirator
8. Assessment of Non-Functioning UP-PGH Ventilator Systems
9. Identification of Potential Drug Candidates for the SARS-COV-2 Using Structure-Based Drug Discovery
10. Tool Kit for Quick Estimation of Covid-19 Infectives
11. Prototype Adult Ventilator
12. ieHEALS (Integrated Emergency Healthcare System)
13. UP Supply Chain CoViD-19 Response Task Force
14. Bike Drive through Bike Share Program

UP Diliman Psychosocial Services (UPD PsycServ)

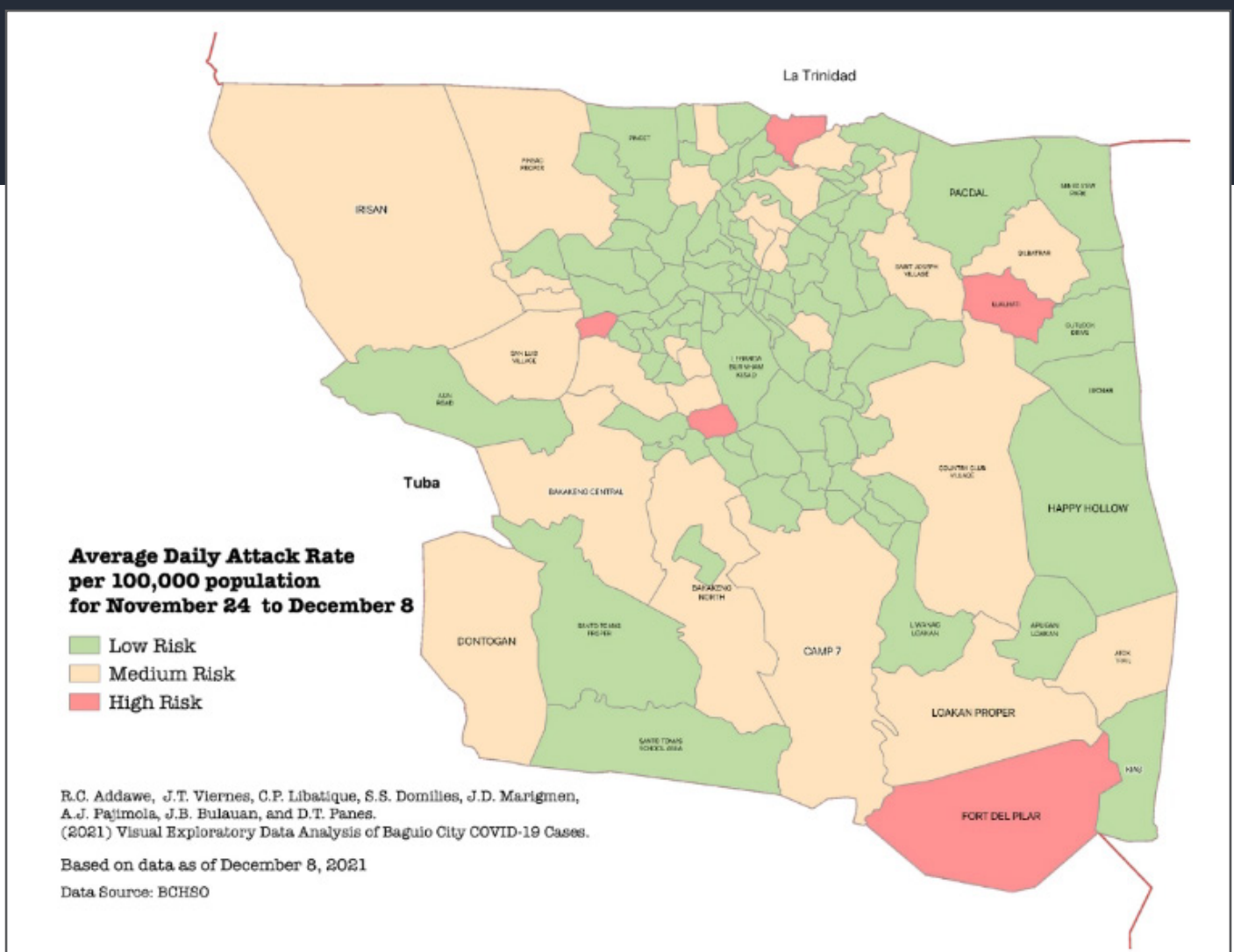
*Office of the Chancellor
University of the Philippines Diliman*

UP Diliman Psychosocial Services (PsycServ) is a special project under the Office of the Chancellor formed in 2017 to respond to the escalating mental health problems among university students. In March 2020, PsycServ, noting the likely disturbing effects of the pandemic on the mental health of Filipinos and the need to change the mode of service delivery, quickly transformed its services to tele-psychological work. Within the Ginhawa Framework, it developed online services along 6 components: (1) telepsychotherapy, specifically providing therapy, suicide prevention/postvention, and relapse prevention services; (2) online training to faculty/staff/employees on how to provide psychosocial support; (3) developing systems/procedures for accessing/providing services online; (4) research to inform and refine interventions; (5) workshops on living in the new normal (e.g. demotivation, living with family, grief-related concerns, etc.); and (6) advocacy through programs that promote mental health awareness.

Beyond the UP Diliman constituency, PsycServ has also served the psychosocial needs of other UP constituencies, such as UP-PGH Department of Emergency Medicine, UP Mindanao, and UP Baguio, and outside UP, such as CHR, Globe Telecom, Guang Ming College, etc. It also provided telepsychotherapy to the general public. Touted as one of the first groups offering free psychosocial support to the public, PsycServ mobilized—and closely supervised—more than 100 volunteer mental health workers during the first year of the pandemic and at the onslaught of Typhoons Rolly, Quinta, and Ulysses. Psychoeducational workshops, infographics, and a database of resources at the time of the pandemic were likewise extended to the public.

Exploratory data analysis (EDA) of Baguio City COVID-19 cases: Daily Updates

*Department of Mathematics and Computer Science, College of Science
Office of Public Affairs
University of the Philippines Baguio*



Exploratory Data Analysis (EDA) of COVID-19 Cases in Baguio City is a volunteer research work of the Department of Mathematics and Computer Science of the College of Science at the University of the Philippines Baguio. EDA is an ongoing study, statistical

data analysis, and monitoring of the COVID-19 cases and situation in Baguio City. This volunteer work is in partnership with Baguio City's Health Services Office (HSO) that started on March 2, 2020. It is being updated daily by Prof. Addawe and her team of volunteers: Prof. Jhunas Paul Viernes, Criselda Libatique, Shilden Grail Domilies, Joseph Ludwin Marigmen, Raya Elaine Gueco, and Aprimelle Kris Pajimola, and submitted daily to the City's HSO through Dr. Donnabel Panes of the Epidemiology Surveillance Unit.

This project aims to contribute to the city's active monitoring of COVID-19 cases by providing relevant data analysis, graphs, tables, GIS Maps, and insights for the city's health office in aiding the decision and policy-making of the LGU concerning the pandemic. The data used in the study are provided by the HSO.

The outcomes of the research include daily updated information and statistics that have been used and continuously utilized as a reference for various business meetings in Baguio and the Cordillera region, such as the HSO Management Committee of Dr. Galpo, UGNAYAN Baguio City, Baguio IATF for the Management of COVID-19 under Mayor Benjamin Magalong, and Health Professional Organizations.

Results of this endeavor were presented in international, national, and regional talks and paper presentations. Several research papers on COVID-19 in Baguio written by the team and students also emerged from the study. Another initiative was also launched in October 2020 in cooperation with the University's Office of Public Affairs. The results are published through the Official Facebook Page of Baguio through PIO and press conferences of the HSO, local and online media networks (i.e., Facebook, Midland Courier, etc).

COVID-19 Biosurveillance and Testing

*Philippine Genome Center
University of the Philippines System*



The COVID-19 pandemic currently affecting the world has challenged the resilience of countries and economies in an unprecedented way since its emergence and declaration as a global health emergency in early 2020. Early during the pandemic, international borders were closed as a preemptive measure. We have also seen quarantine measures and restrictions in mobility imposed on the population to somehow control the spread of the SARS-CoV-2 virus into the local population. Like other countries, the Philippines faced the challenge of expanding RT-PCR testing capacity and the implementation of genomic biosurveillance to track the emergence and spread of the various variants of the virus. The threat of new variants which could be highly transmissible or resistant to vaccines has been a dark cloud hanging over public health experts vis-a-vis the initial euphoria brought by the unprecedented pace of vaccine development and deployment. Thus, genomic biosurveillance is being implemented to monitor the timely detection and gather accurate metadata regarding the origin and spread of the pathogen.

Sequencing the genomes of viral samples in the country and adding this genomic information into the analysis of epidemiological data can help identify the international and/or local sources or origin of the virus, as well as refine public health strategies in the face of the detection of variants of concern (VOCs). Furthermore, regions in the genome that may have functional significance in the performance of diagnostic kits, development of therapeutics, vaccines, or more rapid diagnostic testing kits may be identified. Relevant variants such as Delta and Lambda can be readily detected, and their transmission in the population may be tracked.

The UP Philippine Genome Center (PGC) has been recognized as a non-hospital based COVID-19 testing facility and deputized together with the DOH Epidemiology Bureau to do genomic biosurveillance of COVID-19 by next-generation sequencing (NGS) by the Department of Health (DOH) in order to aid in the national response against the pandemic. UP-PGC, with its dedicated young team of professionals and with its state-of-the-art equipment, uses a high throughput sequencing platform that allows simultaneous whole-genome sequencing of previously RT-PCR confirmed cases throughout the archipelago. This effort in no small measure has been facilitated by a dynamic team of bioinformaticians who assemble the viral genome sequences and make sense of these through phylogenetic mutation analyses and combining the sample metadata with viral genomic information.



Production of Ethanol-based Hand Rub for Frontline Workers

*School of Technology
University of the Philippines Visayas*



The COVID-19 pandemic has changed the way we live. Schools, restaurants, business offices, and many establishments had to be closed down to prevent the spread of the virus. Unfortunately, it has also claimed many lives, and its threat persists up to the present. According to health experts, one of the ways to combat the virus is through frequent hand washing using alcohol-based hand rub. In early 2020, when the country was just recently placed on lockdown, there was insufficient alcohol supply available due to the unforeseen sharp demand.

In April 2020, to assist in the fight against the spread of the virus, the Chemical Engineering faculty and staff of the School of Technology, University of the Philippines Visayas (UPV) worked together to develop a low-cost ethanol production plant to produce ethanol-based hand rub for distribution to the immediate communities including the UPV community, Miagao and other LGU's, and the Iloilo Province. The Chemical Engineering faculty members have expertise in the alcohol production by fermentation of molasses. They also have expertise in plant and equipment design to fabricate the necessary equipment using available materials. The project's location was in the two-story Unit Operations Laboratory in the new School of Technology building. The team was assisted and supported by UPV and many private companies and individuals. At the end of the four-month duration of the project, 575.45 L of ethanol-based hand rubs were produced and donated to the primary beneficiaries.

The Organizing Team

University of the Philippines System

DR. ELENA E. PERNIA
Vice President for Public Affairs

DR. JOSE WENDELL P. CAPILI
Assistant Vice President for Public Affairs
Director, Media and Public Relations Office

DR. JEANETTE L. YASOL-NAVAL
Director, Padayon Public Service Office

Staff of Padayon Public Service Office

Marielle B. Antonio
Project Head

Erik Miguel D. Aguilar
Jeremi Elaijah M. Barretto
Aaron John B. Belen
Kyle M. Buensuceso
Jessica D. Claridad
Charles Jason C. Ramos
Regie M. Reyes
Reggie Marc A. Sarmiento

TVUP

DR. GRACE JAVIER ALFONSO
Executive Director



University of the Philippines
Padayon Public Service Office

5A Fonacier Hall, Magsaysay Avenue, UP Campus, Quezon City, Philippines 1101

 [UPPublicService](#)

 [UPPublicService](#)