



UP Engineering Research and
Development Foundation, Inc.

Driving Progress

2023 ANNUAL REPORT

Engineering a Better Philippines

Our Purpose:

To Engineer a Better Philippines

Vision, Mission and Strategic Objectives

2022 - 2027



Vision

UPERDFI will be an enabler of engineering leadership and solutions for Philippine society with the UP College of Engineering (UPCOE) as premier resource.

Mission

Act as a staunch partner in ensuring the continuous availability of engineering resources to address society's needs for inclusive development

Strategic Objectives

1. Nurture UPCOE in delivering top-notch engineering resources to society
2. Orchestrate projects with societal impact
3. Fully tap the network of members, alumni and partners in support of our initiatives



**UP Engineering Research and
Development Foundation, Inc.**

Driving Progress

2023 ANNUAL REPORT

UP Engineering Research and Development Foundation, Inc. Organization

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Wilson A. Sy
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Marcelo B. Villanueva
Raul C. Villanueva
Nicanor S. Villaseñor III
Olegario G. Villoria, Jr.
Cesar E. A. Virata
Francis Gary Viray
Francisco L. Viray
Lilian W. T. Yao
Cesar E. Yñiguez
Apolonio P. Yson

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Claudio B. Altura
Antonio Albert
Angel A. Alejandrino
Jose V. Angeles
Ernesto C. Arce
Francisco A. Arellano
Bernardo Armenta
Peter N. Aventajado
Onofre Banson
Cesar B. Bautista
Filemon T. Berba, Jr.
Roger Victor E. Buendia
Quintin K. Calderon (Incorporator)
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Benjamin Chua, Jr.
Pablito Chua
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Felipe F. Cruz (Incorporator)
Vicente G. Cruz (Incorporator)
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Eduardo Escobar (Incorporator)
Rodolfo N. Ferrer
Jesus P. Francisco
Ruben A. Garcia
Francisco V. Gatmaitan
Victor Guevarra
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Pedro O. Valdez
Jesus T. Vergara
Gregorio R. Vigilar

2023-24

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(ex-officio – UPCOE Faculty Representative)

Angelito D. Bermudo

Frederick D. Chua

Aurelio L. Gomez
(ex-officio – UPAE President, 2024)

Jose Jesus R. Gomez

(ex-officio – UPAE President, 2023)

Enrico C. Paringit

Jose Jerome R. Pascual III

Daniel C. Peckley, Jr.

(ex-officio UP Representative since April 24, 2024)

Ferdinand A. Pecson

(ex-officio UP Representative until April 23, 2024)

Patrick Vincent G. Peña

Valentin A. Reyes

Gilbert Gabriel M. Santa Maria

Alex Sy Sun Eng

Guillermo Q. Tabios III

Maria Antonia N. Tanchuling

(ex-officio – UPCOE Dean)

Manuel H. Torres

Rowena Paulita J. Torres-Ordoñez

OFFICERS, 2023-24

Alex Sy Sun Eng

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Rowena Paulita J.

Torres-Ordoñez

President

Angelito D. Bermudo

Vice President

Frederick D. Chua

Corporate Secretary

Guillermo Q. Tabios III

Treasurer

Editha J. Atienza

Comptroller

Alfonso A. Aliga, Jr.

Executive Director

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Rosario S. Calderon

Marcelo M. Casillan, Jr.

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Fortunato T. De La Peña

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Pedro H. Maniego, Jr.

Rogelio M. Murga

Emilio Lolito J. Tumbocon

Cesar E. A. Virata

Francisco L. Viray

2023 UPERDFI Annual Report to Stakeholders

UP Engineering Research and Development Foundation, Incorporated – it is a mouthful but the name says it all! As a non-profit foundation, it provides financial grants to UP College of Engineering (UPCOE) to enable R&D and innovation projects of societal impact. It is no coincidence that UPERDFI is also befitting of the connotations of the other meaning of "foundation" – solid, stable, sound.

Now in its 52nd year, it continues with **DRIVING PROGRESS** towards its strategic objectives laid out for the next 50 years (yes, we are that confident!): 1) faculty, student and infrastructure support; 2) commissioned research and R&D grants; and 3) strengthening its organization and membership's ability to undertake projects and sustain programs.

Through the support of our generous donors (Annex 1), UPERDFI delivered the following programs and projects in support of the College of Engineering in 2023:

Faculty Development

UPERDFI incentivizes faculty members to further their excellence in teaching and research by providing professorial chair awards, and teaching and research awards. In AY 2023-2024, UPERDFI awarded 127 Professorial Chair Awards (Annex 2) and 37 Teaching and Research Awards (Annex 3).

The research work of professorial chair holders for the academic year of 2023-2024 was showcased in the Professorial Chair Colloquium held in January 2024. This annual colloquium not only continues to highlight UPCOE's premiere position in combining world-leading technology and the passion to solve today's problems; it also allows opportunities to explore new opportunities for R&D and knowledge sharing and emboldens participants to seize the opportunity and act when the moment demands it.

Student Support

By engaging donors, UPERDFI helps deserving engineering students in pursuing academic excellence amid financial challenges. The College and the donors select scholars based on academic performance and financial need.

For AY 2023-2024, UPERDFI provided 188 Scholarships and Study Grants (Annex 4), 128 Thesis Support Grants (Annex 5), 10 Student Awards (Annex 6) and awarded 11 winners of the Undergraduate Project Competition – Dr. Francis Chua Innovation Awards (Annex 7)

Through this student support, the Foundation continues to fill the pipeline of future engineers in the Philippines. We thank our donors who give generously to make this possible for every talented person, regardless of their family's financial situation.

188
Scholarships and
Study Grants

128
Thesis Support
Grants

18
Student
Awards

Instructional and Research Infrastructure

UPERDFI's infrastructure program aims to equip the faculty and students with quality tools and a conducive environment for research and instruction. We also supported the initiatives of alumni organizations and academic units in the College to modernize the facilities. In 2023, we completed eight infrastructure projects and continued with two ongoing projects. These are detailed on pages 12-13.

Research and Development

Our Foundation continues to support research and development in engineering through funding and partnerships with the academe and industry. In addition to monetary gifts, our donors have also provided expert input and guidance through discussions and collaborations with UPCOE, in support of tech start-ups and the financial sustainability of laboratories. The Innovation Committee reports on the R&D projects on pages 17-19.

Organization

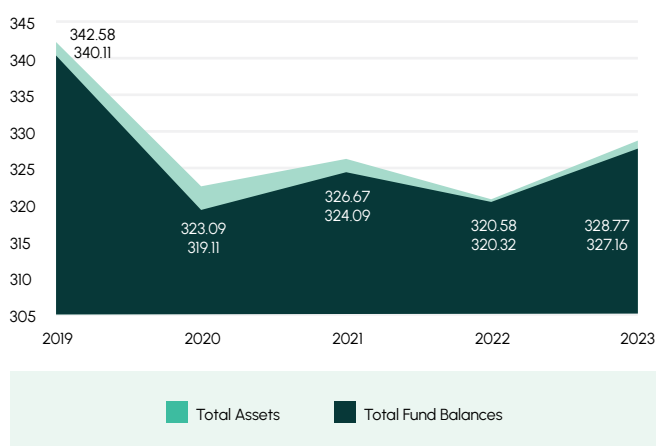
UPERDFI has six board committees – Audit, Finance, Governance, Innovation, Membership, and Resource Generation. Each committee is headed by a Trustee and formed by UPERDFI members from its 250-strong roster. The committees' activities for the past year can be read on pages 15-21.

Our operations are supported by a backroom led by the Executive Director, and regular staff members comprising the Deputy Executive Director, an Accountant and an Accounting Assistant and a contracted Finance and Investments Officer. This team works on all the needs of the Foundation, as regards interfacing with donors and benefactors, with beneficiaries, with the University of the Philippines System, UP Diliman, the UP College of Engineering and the UP National Engineering Center, and with government agencies like the Department of Science and Technology, and with banks and other institutions like the Philippine Council for NGO Certification.

Financial Results

We made a significant change in May 22, 2023 when we signed an Investment Management Agreement with AB Capital Investment Corporation (ABCIC). We started transferring our long-term financial assets to them, moving a total amount of P269.6 Million by December 31, 2023. With better and more timely investing actions that were guided by Investment Policies and Guidelines crafted by our Finance Committee, and improved financial markets in 2023, we garnered a great improvement in our financial results. Our Interest and Dividend Income, net of fees reached P13.16 Million, more than doubling 2022 returns of P5.66 Million. This provided us with some breathing room to spend on some of our internal activities like for Donor and Membership engagements. The graphs showing 2019 to 2023 results indicate this improvement.

Balance Sheet (2019-2023)

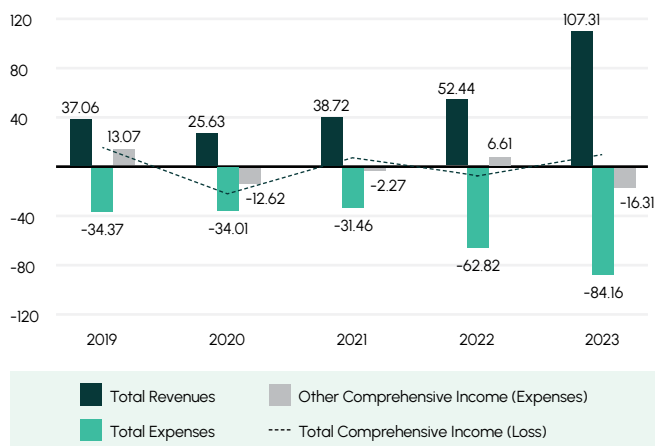


We also gained a significant boost in 2023 when we received a P50 Million donation from our former Chairman, Dr. Mag Albarracin, for the equipping of the SMART i-Labs at his home, the Electrical and Electronics Engineering Institute. Only P30 Million was disbursed in 2023, giving us a jump in our year-end 2023 balances.

We recorded adjustments to true up our key accounts. As a result of the valuation of assets transferred to ABCIC, actual values were lower. We also corrected interest and dividend incomes from previous years that were not adjusted in subsequent years. These resulted in a significant loss in our Other Comprehensive Income (Loss) account.

We continue to be on a hand-to-mouth existence, as we rely on donations that are meant to be spent in the same period. We have not received any endowment funds in recent years.

Statement of Revenues and Expenses (2019-2023)



Statement of Revenues and Expenses (in P millions)	2019	2020	2021	2022	2023
Revenue: Donations	26.96	24.37	30.48	43.53	85.93
Expenses	33.69	33.28	30.96	62.44	82.75
Other Income (Expense)	10.10	1.26	8.24	8.91	21.38
Excess (Deficiency) of Revenue over Expenses before Final Tax	3.37	(7.65)	7.76	(10.00)	24.57
Provision for Income Tax	0.68	0.73	0.50	0.38	1.41
Excess (Deficiency) of Revenue over Expenses	2.69	(8.38)	7.26	(10.38)	23.16
Other Comprehensive Income (Expenses)	13.07	(12.62)	(2.27)	6.61	(16.31)
Total Comprehensive Income (Loss)	15.76	(21.00)	4.99	(3.77)	6.85

Statement of Assets, Liabilities and Fund Balances (in ₱ millions)	2019	2020	2021	2022	2023
Total Assets	342.58	323.09	326.67	320.58	328.77
Total Liabilities	2.47	3.98	2.58	0.26	1.61
Total Fund Balances	340.11	319.11	324.09	320.32	327.16

As we look back on our accomplishments for the year, we are grateful for the continued support of our stakeholders – the generous contributions of our donors, the dedication of our Foundation’s leaders and members, and the work of our faculty and students.

We hope these accomplishments remind you of what we have always known – that UPCOE is the place to be for “Engineering a Better Philippines”.



ALEX SY SUN ENG
Chairman



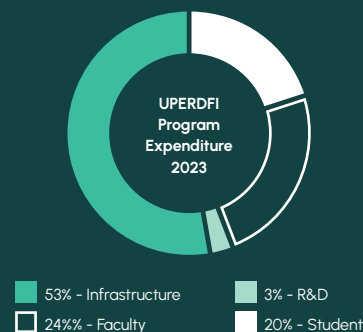
ROWENA TORRES-ORDOÑEZ
President



ALFONSO A. ALIGA, JR.
Executive Director

Driving Progress in Our Aspirations!

GO in resource generation and project execution! In 2023, we raised P85.93 Million and implemented programs and projects amounting to 75.22 Million.



GROW with member and donor recognition! In 4Q 2023, we embarked on a project to initiate formal recognition of our donors and members. What better way to achieve sustainability for the Foundation than to regularly show gratitude! Top donors to UPERDFI and members who have rendered exceptional service since 1972, as well as our generous donors in 2023 were identified and a formal recognition event for them was planned (and successfully held) for early 2024.

GLOW with an enhanced UPERDFI brand! In 4Q2023, we also enlisted professional help to develop a brand that will further attract donors and rally our members and partners in support of our mission.

UPCOE Dean's Report

The UP College of Engineering is pleased to present its annual report for the period from January 2023 to December 2023. This report encapsulates the significant achievements, developments, and milestones attained by the College throughout the year. The College has continued its commitment to excellence in education, research, and service, furthering its mission to produce highly skilled engineers and contribute to national development.

College-wide PCA Colloquium and UP National Engineering Center's 45th Founding Anniversary

The College-wide colloquium with the theme, "Engineering Research and Development Towards Sustainable Development Goals," was held on January 25-27, 2023, with at least 216 attendees. During this event, 131 Professorial Chair Awardees and 33 Teaching and Research Awardees presented their research. Some of the outputs of the research projects were showcased in the 2023 Professorial Chair Awards Colloquium. The awardees who presented were grouped using the framework of the Sustainable Development Goals (SDGs). The audience included academics, industry representatives, and government agencies, ensuring that research outputs are disseminated effectively.

On January 27, 2023, the 45th founding anniversary of the UP National Engineering Center (NEC) was celebrated with the theme of "Forging Connections through Engineering Solutions."



UP College of Engineering Dean Maria Antonia Tanchuling welcomes donors, guests to the Professorial Chair Colloquium and the 45th founding anniversary of the UP NEC



College Overview

The UP Diliman College of Engineering (UPD COE) comprises six (6) departments, two (2) institutes, the National Graduate School of Engineering (NGSE) with department/institute graduate degree programs and three (3) interdisciplinary graduate programs, and the National Engineering Center (NEC) with its five (5) constituent centers: the Building Research Service (BRS), National Center for Transport Studies (NCTS), National Hydraulic Research Center (NHRC), Philippine Learning Center for Environment and Social Sustainability (PIHILCESS), and the Training Center for Applied Geodesy and Photogrammetry (TCAGP). The College offers twelve (12) undergraduate and twenty-three (23) graduate programs. Another academic program will be added to the graduate programs starting on the academic year 2024-25, with the PhD in IE being approved by the UP BOR in its 1385th meeting held on November 30, 2023. The UP College of Engineering, being the largest College in UP Diliman, boasts a roster of 255 regular faculty members, 6 Professor Emeriti, and 80 part-time faculty members, along with 152 administrative staff, research, extension, and professional staff (REPS), and non-UP staff, as well as 342 project staff.

For the First Semester of Academic Year (AY) 2023-2024, the student population consists of 4,578 undergraduate students and 1,185 graduate students. For the Second Semester of AY 2023-2024, there are 4,200 undergraduate students and 964 graduate students.

UP College of Engineering students and faculty members gather in front of Melchor Hall for a welcome assembly in February 2023, marking the gradual transition to face-to-face classes after the pandemic.



Welcoming Everyone Back Face-to-Face

On February 13, 2023, a simple ceremony was held at the Melchor Hall steps to welcome back all students, faculty, and guests for the first full face-to-face Welcome Assembly since before the onset of the pandemic. The theme was "Maligayang Pagbabalik, mga Inhenyero ng Kinabukasan." In September of the same year, the College similarly held its first face-to-face welcome assembly for its new students.

Later that month, the UPD College of Engineering Faculty held its 387th General Faculty Assembly and Graduate Faculty Council, marking its first fully face-to-face assembly since the COVID-19 pandemic lockdowns began in 2020. Attended by faculty from all Institutes and Departments, the event was followed by a fellowship dinner graced by UP President Angelo Jimenez.



The return of face-to-face faculty assemblies and fellowship events of the College.

Current Administration

The incumbent Dean of the UPD College of Engineering, Dr. Maria Antonia N. Tanchuling will serve under her term from September 1, 2022 to August 31, 2025. The Executive Team is composed of the following:

Prof. Roel M. Ocampo

Associate Dean for Research

Prof. Menandro S. Berana

Associate Dean for Administration

Prof. Leslie Joy L. Diaz

Associate Dean for Academic Affairs

Assoc. Prof. Kate Tungpalan

Associate Dean for Student Affairs

Prof. Eric Augustus J. Tingatinga

Associate Dean for Alumni and Institutional Linkages

Prof. Rowaldo Del Mundo

Associate Dean for Public Engagement

Prof. Jhoanna Rhodette I. Pedrasa

College Secretary

Prof. Louis Angelo M. Danao

Director of the National Graduate School of Engineering

As Dean, she takes the concurrent role as Executive Director of the UP National Engineering Center and the Trustee position in the UPERDFI Board.

Student Performance in 2023 Licensure Examinations

In various licensure exams throughout the year, graduates of the UPD College of Engineering achieved outstanding results, with many of our graduates placing in the top ranks and all our programs achieving high passing rates.

Professional Examination	Month taken (2023)	Percentage Passing (%)	Top Placers
Civil Engineering	April	95.12	2nd, 3rd
Civil Engineering	November	98.55	3rd, 5th, 6th, 8th
Chemical Engineering	May	96.67	2nd, 3rd, 10th
Chemical Engineering	October	100	2nd, 6th, 8th (2), 10th
Electrical Engineering	May	100	9th
Electrical Engineering	September	100	4th
Electronics Engineering	April	87.5	4th, 8th, 9th
Electronics Engineering	October	96.67	7th, 8th
Geodetic Engineering	October	100	2nd, 4th
Mechanical Engineering	February	90.32	
Mechanical Engineering	August	63.16	2nd, 4th
Metallurgical Engineering	October	100	1st, 2nd, 3rd, 7th (2), 8th
Mining Engineering	August	100	

R&D Activities and Continuous Improvement of College Facilities

The College is committed to providing scholarships to students who need financial assistance. Although tuition fees are free, students need to cover their living expenses. The College is very fortunate and grateful to its donors for granting scholarships to students. As of this academic year, 99 scholarships have been made available in the College and we are still actively seeking additional scholarships to provide financial aid to students who require support. Other support also comes in the form of Thesis Support Grants worth 10,000 Pesos which are granted to senior students doing their thesis.

The College has 141 official partnerships with various institutions, in the form of internships, scholarships, and research collaborations. Partnerships such as these are a vital source of resources materially, as well as opportunities for our students to be exposed to industrial experience.

The faculty members are also actively involved in various research projects, where at least 83 faculty members are engaged in research with an average research load credit of 3 units per faculty member. The total amount of research grants of the ten highest funded projects amount to almost a billion pesos.

Various donors have generously shared funds to be able to upgrade our facilities, such as the High-Performance Computing (HPC) facility, the ICE Student Lounge, and the upgrading of the EEEI instructional laboratories. (Please refer to the separate article on these for more details).

Moving forward to the future of the College: PTC-ACBET Accreditation and Strengthening SUC and HEI Collaboration

The College continuously reviews curricula to respond to industry developments and technological advancements. Five academic programs underwent accreditation by the Philippine Technological Council's Accreditation and Certification Board for Engineering and Technology (PTC-ACBET). Additionally, efforts toward becoming the National Institutes of Engineering are underway, with strategic planning sessions held by the administration.

The UPD COE held a Quality Assurance (QA) Forum for Alumni and Industry, and formally constituted the Alumni and Industry Advisory Council (AIAC) of the College of Engineering. The event, which took place on November 8, 2023 at UP Bonifacio Global City, was a momentous gathering of distinguished alumni and dedicated administrators, faculty, and QA staff of the College.

The accreditation process with the PTC-ACBET was held for five undergraduate degree programs during the latter months of 2023. The College reached a significant milestone in its pursuit of excellence in engineering education by December 2023 with the successful Exit Meeting of the PTC-ACBET Accreditation Visit. The event, held at the UP National Engineering Center AVR, included the Reading of the Exit Statement Reports by the specific accreditors for each of the five undergraduate Engineering programs undergoing evaluation:

- Bachelor of Science in Chemical Engineering
- Bachelor of Science in Mechanical Engineering
- Bachelor of Science in Mining Engineering
- Bachelor of Science in Metallurgical Engineering
- Bachelor of Science in Materials Engineering



Proponents of the different undergraduate academic programs, along with Department chairs, the Associate Dean for Instructions, Dr. Leslie Joy Diaz, and Dean, Dr. Maria Antonia Tanchuling, submit the accomplished program self-study reports to the UP Diliman Quality Assurance Office.

Efforts have also been underway to enhance collaboration with SUCs and HEIs to increase graduate degree holders nationwide.



Strategic planning session held by the College

Celebrating the College's 113th Anniversary through Araw ng Parangal sa Mga Kawani

The UP College of Engineering proudly commemorates its 113th founding anniversary and Araw ng Parangal, paying tribute to the remarkable achievements and contributions of its employees. During the Araw ng Parangal segment, the college bestowed prestigious awards upon individuals who have demonstrated exceptional dedication and professionalism. In addition, the college recognized the unwavering loyalty and commitment of its outstanding staff members. These awards exemplify the values and virtues that the UP College of Engineering upholds.



UP College of Engineering staff members who have served for at least 10 years are honored for their enduring commitment to serving the College.

Return of Full Face-to-Face Undergraduate and National Graduate School of Engineering (NGSE) Recognition Rites

The year 2023 also saw the return of full face-to-face recognition ceremonies for the graduates of the College of Engineering. Bachelor's degrees were feted in the COE Recognition Rites held in Cuneta Astrodome on August 1, celebrating all their achievements across the many different disciplines of the College. In the 2023 undergraduate recognition rites, the College graduated 876 students from 12 Bachelor of Science degree programs, more than half of them at 583, graduating with Latin honors - 174 receiving Cum Laude, 303 receiving Magna cum Laude, and 106 receiving Summa cum Laude. In addition, there are 8 Academic Excellence Awardees, and 11 Undergraduate Project Competition finalists and winners.

The guest speaker for the Undergraduate Recognition Rites was Engr. Mamerto E. Tangonan, Deputy Governor and head of the Payments and Currency Management Sector (PCMS) of the Bangko Sentral ng Pilipinas (BSP). He encouraged graduates to pursue their future careers with the University's values of honor, excellence, and compassion as true Inhenyero Para sa Bayan.

On the other hand, the NGSE had a total of 117 graduates for master's degree programs and 11 from the doctoral degree programs. The National Graduate School of Engineering (NGSE) had its recognition rites in the Bahay ng Alumni last July 27, 2023. Dr. Enrico C. Paringit, Director of the DOST-PCIEERD (Philippine Council for Industry, Energy, and Emerging Technology Research and Development) as the guest speaker. He encouraged the graduates to contribute to nation-building through their R&D activities.

2023 Undergraduate Recognition Rites

174

Cum Laude

303

Magna Cum Laude

106

Summa Cum Laude

8

Academic Excellence Awardees

11

Undergraduate Project Competition Finalists & Winners



UP College of Engineering Dean Dr. Maria Antonia Tanchuling, Guest Speaker Engr. Mamerto Tangonan, and UPERDFI Executive Director Engr. Alfonso Aliga.



Graduating students celebrate their achievements in the COE Recognition Rites held in Cuneta Astrodome on August 1, 2023.



NGSE Recognition Rites Guest Speaker Dr. Enrico Paringit, delivers his message to graduates.



Graduates and faculty sing the alma mater hymn UP Naming Mahal during the Recognition Rites.

Building Bridges: Partnerships and Technical Assistance for Nation Building

The College, through the National Engineering Center, is ramping up its technical assistance to various government agencies. It is engaged with the National Administration (NEA) in the planning and implementation of the Total Electrification Program to achieve 100% electrification by June 2028. UPD COE faculty developed the analytical model for the Philippines emissions calculator which was initiated by the Department of Energy. The model which is now called the Philippines Emissions Pathway Calculator (PEPC) was turned over to the Climate Change Commission (CCC) of the Office of the President. UPD COE will be providing technical assistance to the BARMM Ministry of Environment, Natural Resources and Energy (MENRE) in preparing local energy plans of the cities, municipalities, and provinces under BARMM which will be integrated as the BARMM Energy Plan. The UPD COE will also take the lead in UP's multi-disciplinary team that will conduct technical, financial, and social study and the design of public utility for the electricity services in BARMM provinces to address the lingering electrification and power issues. The College and Office of Civil Defense are in discussion to collaborate on disaster risk reduction and management. UPD COE Faculty from EEEI served as Butuan City Government's technical advisors in organizing the multi-stakeholder planning team, in capacity building of the planning team, and in the preparation of first local energy plan of a city LGU in the country. This pioneering work is paving the way for a bigger engagement with the Department of Energy and the Department of Interior and Local Government (DILG) for a national capacity building program to enable all cities, municipalities, and provinces to prepare their respective local energy plan.

Capping of the Year with 'Renewed Strength' for the Lantern Parade

The College proudly joined the parade with its unique and low-cost entry crafted through the collective ingenuity and creativity of our brilliant students, dedicated faculty, and hardworking staff. This year's lantern is an awe-inspiring interpretation of the theme "Panibagong Lakas," symbolizing the fresh strength and resilience that emanate from our community. The intricate details of the lantern tell a story of innovation, unity, and the unwavering spirit that defines the UP Diliman College of Engineering.

This lantern was not just an illuminated spectacle but a testament to the diversity within our community. Through collaborative efforts, students, faculty, and staff from various disciplines have come together to create a harmonious representation of the theme. We garnered 5th place in the competition.



The College lantern, students, faculty, staff, and administration during the annual Lantern Parade.

Closing Remarks from the Dean

We accept the hurdles that may come along our endeavor in helping to shape the nation toward a sustainable future. While we continue moving forward with best practices affirmed by previous administrations and opportunities accomplished by them, we will also create new and timely endeavors to enrich the capacity of our beloved College, especially in addressing real-world challenges, in being more relevant in the lives of the marginalized, and in consolidating the institutional strength of our organization through collective leadership. As we look to the future, our resolve remains unshaken, driven by the values of honor, excellence, and compassion.

**With the support of our community and partners,
we stand prepared to continue our mission as true
#InhenyeroParaSaBayan—Engineers for the Nation,
forging a brighter path for generations to come.**

As evidenced by the report and numerous events in the past year, the UPERDFI has been a constant partner of the College in its programs, events, and activities. We cannot thank UPERDFI enough for its unwavering and untiring support to various College activities in 2023 and we are hopeful for countless more collaborations in the years to come.



PROF. MARIA ANTONIA N. TANCHULING
Dean, UP College of Engineering

Nurturing UP Engineering: Building a Conducive Learning Environment



The year 2023 marked a successful year for the modernization of the UP College of Engineering facilities, not only for research and instruction but also for student well-being.

UPERDFI and UPCOE, with the support of donors and in partnership with concerned academic units, inaugurated eight (8) infrastructure projects in 2023:

- UP College of Engineering Computing Facility
- UP Institute of Civil Engineering (ICE) Student Lounge
- Dr. Magdaleno B. Albarracin, Jr. - Electrical and Electronics Engineering Institute (EEEI) Labs Upgrade
- Fluor Daniel, Inc. - Philippines - Department of Mining, Metallurgical and Materials Engineering Room Renovation
- DMCI Homes ICE Construction Materials Lab Equipment Donation
- Department of Industrial Engineering and Operations Research (DIEOR) Integrated Product Design and Development Lab
- Tau Alpha Board Walk Project
- Department of Chemical Engineering (DChE) Computing Laboratories
- SEM-Calaca Power Corporation and Southwest Luzon Power Generation Corporation DMMME Testing Equipment Donation

There are also continuing modernization projects for the DMMME Lab Upgrade funded by OceanaGold Philippines, Inc., and the EEEI Electrical Machines Laboratory Upgrade by Fluor Daniel, Inc. - Philippines.

UPCOE Computing Facility

February 15

The UPCOE Computing Facility was inaugurated by UP President Atty. Angelo Jimenez at the National Engineering Center, UP Diliman, Quezon City. UPERDFI raised P20 Million for the procurement of 1,152 CPU cores, which increased the research capability of the College to more than 1,600 cores.



ICE Student Lounge

March 15

The ICE Student Lounge, a space for students to relax, recharge, and reconnect with their peers was formally opened. UPERDFI is grateful to our generous donors to the Student Well-being Program:

- Manuel Jun Ringor of Mundo Builders, Inc.
- Kristine Guiao Pascual of Kolor Furniture Inc.
- Luz Consuelo David (in honor of her departed husband Antonio David, CE '71)
- UPERDFI Adviser Rosario "Chato" Calderon
- Jason Valderrama of JCV and Associates



Tau Alpha Legacy BoardWalk

July 1

The Tau Alpha Legacy BoardWalk was completed and turned over by Tau Alpha Foundation, Inc. (TAFI) to UP. UPERDFI partnered with TAFI to facilitate the construction of the boardwalk and sculpture to commemorate Tau Alpha Fraternity's 91st Anniversary.



ICE Construction Materials Lab Equipment Donation

July 28

DMCI Homes, a renowned real estate development company, demonstrated its unwavering commitment to education and engineering advancement by donating a cutting-edge 2000-kN Universal Testing Machine, a set of modern laptop computers, and top-of-the-line laboratory furniture to the ICE Lab. This generous contribution aims to enhance the performance of construction materials tests and experiments, marking another significant milestone in the longstanding partnership between DMCI and UP.





Department of Mining, Metallurgical and Materials Engineering Room Renovation

October 20

Fluor Daniel, Inc. – Philippines, represented by its Regional Manager for Southeast Asia Operations, David Djojodihardjo, led the ribbon-cutting ceremony for the newly renovated Fluor Lecture Room at the Department of Mining, Metallurgical and Materials Engineering in UP Diliman. Fluor also signed the Deed of Donation for the funding of the Electrical Machines Laboratory Upgrade which will be used to procure modern laboratory equipment that will boost the hands-on learning experience of students at the EEEL.



Integrated Product Design and Development Lab

October 21

DIEOR Chairman Asst. Prof. Raymond Lagria led IE alumni, faculty and students in the unveiling ceremony for the DIEOR Golden Pillars Projects at the IEME Building Lobby. UPCOE Dean Tonette Tanchuling and UPIE Alumni Association President Jomari Mercado did the ribbon-cutting honors for the Integrated Product Design and Development Laboratory, which was completed through the dedicated support of Eric Recto, IE '82 in partnership with UPERDFI and UPIEAA.



Electrical and Electronics Engineering Institute (EEEI) Labs Upgrade

December 4

UPERDFI Chairman Engr. Alex Sy Sun Eng signed the Deed of Donation turning over 160 units of mobile workstations and modern testing and measurement equipment donated by former UP Regent and PHINMA Vice Chairman Dr. Magdaleno B. Albarracin, Jr. (EE '56) to UP, represented by UP Diliman Chancellor Atty. Edgardo Carlo L. Vistan II. Witnesses included UP President Atty. Angelo A. Jimenez, UPD College of Engineering Dean Dr. Maria Antonia N. Tanchuling, UPERDFI Project Representative Engr. Rafael Nestor V. Mantaring, UP EEEI Director Dr. Lew Andrew R. Tria, and UP Vice President for Development Dr. Ferdinand A. Pecson. EEEI faculty and students will use the donated equipment for their research and academic needs.



DMMME Testing Equipment Donation

December 14

SEM-Calaca Power Corporation and Southwest Luzon Power Generation Corporation donated testing equipment to the DMMME. Semirara Mining President Cristina Consunji-Gotianun and UP Diliman Chancellor Atty. Carlo Vistan did the honors in a special ceremony held at the DMMME Theater. UPERDFI Adviser and Semirara Director Isidro Consunji was also in attendance.



Fully Tapping Our Network and Members: Celebrating Generosity



(L-R) UP President Angelo A. Jimenez honors Legacy Donors Isidro A. Consunji; Maria Banatao, Diosdado Banatao; Dr. Magdaleno B. Albarracin, Jr.; Denis T. Carpio; Editha Juinio Atienza, Jennifer Yang, Marina Juinio Yang (Family of Dean Alfredo L. Juinio and Prof. Alfredo B. Juinio, Jr.), Alex Sy Sun Eng; Christianne Medina (Uratex), Paulo Arias (Pilipinas Shell Corporation); with UPERDFI Executive Director Alfonso A. Aliga, Jr.



DISTINGUISHED SERVICE AWARD

FORTUNATO DE LA PEÑA

Asst. Treasurer / Treasurer for Finance
UPERDFI Adviser, 2017



The Foundation is grateful for the commitment of our donors, members, and partners to engineering a better Philippines.

UPERDFI held a Donor Recognition and Thanksgiving Dinner on February 7, 2024, at the Makati Sports Club to honor and appreciate those who have supported the Foundation over the years up to 2023.

UPERDFI recognized the top ten donors since 1972 or "Legacy Donors" for their steadfast commitment and significant contributions in fostering growth and success of the UPERDFI programs in support of the UP College of Engineering. They included Dr. Magdaleno B. Albarracin, Jr., Isidro A. Consunji, Diosdado and Maria Banatao, Manuel V. Pangilinan, Pilipinas Shell Corporation, Accenture, Family of Dean Alfredo L. Juinio and Prof. Alfredo B. Juinio, Jr., Alex Sy Sun Eng, Multiflex RNC Philippines Corporation (Uratex) and Denis T. Carpio.

UPERDFI also recognized the generous donors from December 2022 to November 2023, and the individuals who have rendered unwavering service to the Foundation through the years, led by former DOST Secretary Fortunato de la Peña who has been serving as an officer and adviser for 40 years.

The event was graced by the presence of UPERDFI stalwarts former Prime Minister Cesar E. A. Virata, Department of Energy Undersecretary Rowena Cristina Guevara, BARMM Parliament Member Don Mustapha Loong, former Department of Public Works and Highways Secretary Rogelio L. Singson, UP College of Engineering Dean Maria Antonia Tanchuling, and Philippine Council for NGO Certification Executive Director Felix Tonog, alongside UPERDFI members and honored guests.

On behalf of the donors, former UPERDFI Chairman and current Adviser Dr. Magdaleno B. Albarracin, Jr. accepted the recognition. UPERDFI Chairman Alex Sy Sun Eng, President Rowena Torres-Ordoñez, Executive Director Alfonso A. Aliga, Jr., Membership Committee Chairman Valentin Reyes and Past President Rafael Nestor V. Mantaring delivered the Thanksgiving Message, Opening Remarks, Welcome Message, Closing Remarks and Invocation, respectively.

UP President Angelo Jimenez gave an impassioned message saying that the country faces major challenges, and he highlighted that engineers could make the biggest impact in defining solutions and implementing them.

The Foundation is grateful for the commitment of our donors, members, and partners to engineering a better Philippines.

2023 UPERDFI Committee Reports

Audit Committee

In 2023, the Audit Committee focused on three initiatives to ensure reliable financial reporting, regulatory compliance and risk management of UPERDFI.

Amendment of Articles of Incorporation and By-Laws

The Audit Committee reviewed the Articles of Incorporation and By-Laws of UPERDFI, which was last amended in 2014. The objective was to incorporate pertinent regulatory updates and align the organization's governance framework with current best practices. The proposed amendments will be presented to the General Membership in May 2024 for ratification.

Risk Management

Recognizing the dynamic nature of risks facing organizations, the Audit Committee initiated a thorough assessment of UPERDFI's risk landscape. This proactive approach aimed to identify, evaluate, and address potential risks effectively.

2023 Audit

An Audit ad-hoc Committee was formed to ensure the quality review of financial statements and compliance with regulations. The 2023 external audit was conducted by SGV from December 2023 to March 2024.

Chairman:

Frederick D. Chua
Corporate Secretary

Co-Chairman:

**Robert O.
Minguez II**

Adviser:

Pedro H. Maniego, Jr.

Finance Committee

In 2023, the Philippine economy demonstrated mixed performance across key macroeconomic indicators due mainly to the compounding challenges brought about by external shocks and the escalation of geopolitical tensions that persisted from the previous year.

Despite resilient GDP growth at 5.6% - the strongest among major Asian economies - fueled by robust domestic consumption and government spending, persistent inflationary pressures remained a concern, driven partly by supply chain disruptions and elevated global commodity prices, including oil. Efforts by the BSP to manage inflation through monetary policy measures were challenged by these external factors, impacting both consumers and businesses, with corollary implications for domestic fixed income and equities indices. Average inflation for full-year 2023 was at 6.0%.

Shift to Active Fund Management

Starting May 2023, UPERDFI shifted from passive self-management of its funds portfolio to an actively-managed fund with the engagement of AB Capital & Investment Corporation (AB Capital) as its fund manager. Some P280 million in fund assets, out of UPERDFI's Total Assets of P333 million, were transferred to AB Capital

during the course of 2023, including approximately P14 million in stock certificates that are still going through the stock lodgment process of the SEC.

The shift to active fund management through a professional fund manager presented a number of benefits:

- Expertise, experience and resources to actively seek out investment opportunities with access to the desired volumes, potentially generating higher returns compared to a passive approach;
- Greater flexibility and speed in adapting to changing market conditions and capitalizing on emerging trends or opportunities that enhance the portfolio's resilience;
- In-depth research and analysis using sophisticated risk management strategies to mitigate downside risks and optimize the portfolio's performance over the long term.



Fund Performance

Total Assets Under Management (AUM) was at P273.65 million as of December 31, 2023, with 66% allocated to Domestic Fixed Income, 11% to Domestic Equities and the balance of 23% in Cash & Short-Term Investments.

Asset Class	Fund Value (Gross PhP '000)	Actual Return	Actual Weight	Weighted Return	Benchmark Return	SAA Weight	Weighted Benchmark	Delta
Cash and Short-term Investments	62,620.71	3.08%	23%	0.70%	2.68%	15%	0.40%	0.30%
Domestic Fixed Income	179,621.56	8.03%	66%	5.27%	2.46%	70%	1.72%	3.55%
Domestic Equities	31,408.18	6.03%	11%	0.69%	0.65%	15%	0.10%	0.59%
Assets Under Management	273,650.45	6.67%	100%	6.67%	2.22%	100%	2.22%	4.45%
IMA Fee for December 2023	91.49	0.03%						
Net Fund Performance	273,558.96	6.63%						

*Includes the USD 175,000 placement at the conversion rate of 1 USD = 56.75 PhP

The total actual return of the portfolio since inception of the active fund management arrangement is at 6.63%, outperforming the weighted benchmark yield of 2.22% by 4.41 percentage points.

The adoption of appropriate benchmark indices for each asset class is a standard methodology for measuring the performance of a portfolio of investments vis-à-vis the rest of the market for the specific asset classes. It carries the reasonable assumption that passive fund management will unlikely be better than the benchmark.

It is worth noting that AB Capital was recognized as the best-performing investment house for 2023, specifically in relation to its unit investment trust funds.

Way Forward

To further diversify and enhance the robustness of UPERDFI's fund portfolio, the Finance Committee is considering the inclusion of USD-denominated foreign tradable securities in the portfolio's strategic asset allocation. This serves as a natural hedge that preserves the value of the fund portfolio during situations of wide FX rate fluctuations while providing an investment outlet for USD-denominated donations that need to be parked.

The target is to update the Investment Policy and other relevant documents for operationalization within Q2 2024.

Chairman:

Guillermo Q. Tabios III
Treasurer

Co-Chairman:

Jose Jerome R. Pascual III

Members:

Alfonso A. Aliga, Jr.
Edgardo G. Atanacio

Rizalina Gervasio-Mantaring
Rene E. Nolasco

Governance Committee

The Governance Committee has drafted and finalized for approval, the Value Management System framework.

The UPERDFI Value Management System is a structured compilation of all statutory and duly approved documents and issuances, as well as policies and guidelines, that govern the direction, activities, and operations of the organization. As a whole, it is meant to align the delivery of value to donors, beneficiaries, and other stakeholders with the organization's mission and vision, ensuring efficient resource allocation and enhancing overall performance.

A distinctly important element of the Value Management System (VMS) is a Compliance and Assurance Plan which is the principal guide to ensure regular review and updating of all governance documents, as well as compliance with regulatory requirements.

UPERDFI Value Management System Outline

A. Organizational Foundations

1. Purpose
2. Vision and Mission
3. Strategic Priorities and Objectives
4. Member Value Proposition
5. Core Values
6. Strategy Map

B. Governance Framework

1. Board of Trustees Mandate, Composition & Tenure
2. Board Committee Charters and Accountabilities
3. Council of Advisers Mandate & Engagement
4. Management & Organizational Structure
5. Manual of Authorities & Position Descriptions
6. Membership Principles

UPERDFI recognizes students to be a potential resource in helping the Foundation achieve its objectives. It decided it would engage in more activities that would bring students closer to the Foundation.



UP Engineering Research and Development Foundation, Inc.

C. Operating Framework

1. Operating Principles, Goals and Major Activities
2. Operating Guidelines and Procedures
3. Operating Plan, and Execution Tactics and Milestones
4. Stakeholder Management Plan
5. Value Stream Map
6. Performance Appraisal Process

D. Control and Risk Management Framework

1. Control Principles
2. Risk Management Process
3. Compliance & Assurance Plan
4. Business (Organizational) Continuity Plan

E. Specific Policies and Standards

1. Organizational
 - a. Membership
 - b. Conflict of Interest
 - c. Administrative, Employment and Benefits
2. Financial
 - a. Investment Policy
 - b. Financial Management and Stewardship
 - c. Fund Raising and Donations
 - d. R&D Grants
3. Operational
 - a. Project Governance
 - b. Faculty Development and Professorial Chair Awards
 - c. Student Development

A new Financial Stewardship policy has been ratified by the Board of Trustees.

Chairman:

Manuel H. Torres

Members:

Antonio M. Braganza	Bienvenido A. Lopez, Jr.
Ramon M. De Leon	Jose Jerome R. Pascual III
Gaudencio Renato T. Goco	Felipe B. Santiago
Don Mustapha A. Loong	Cesar E. Yñiguez

Apply for UPERDFI Student R&D Project Support

The UP Engineering Research and Development Foundation, Inc. (UPERDFI) is providing grants of up to Php 100K for student R&D projects in engineering.

Eligibility

- capstone project teams or student organizations and/or groups with specific projects in mind
- team must have a minimum of two (2) members

Criteria

- The project must have potential societal or industrial impact.
- The project must make use of technology.
- The grant can only be used for the prototyping requirements of the project.

Apply Now

Application Form
bit.ly/uperdfisrdp

Proposal Template
bit.ly/srdptemp

Deadline:
21 April 2023

Email: info@uperdfi.org

Website: www.uperdfi.org

Facebook: www.facebook.com/uperdfi

Innovation Committee

Most of the Committee's activities were centered around UPERDFI's Research-to-Market thrust. This is in alignment with one of the strategic objectives of UPERDFI which is to orchestrate projects with societal impact.

Prototyping Support for Student Projects

UPERDFI recognizes students to be a potential resource in helping the Foundation achieve its objectives. It decided it would engage in more activities that would bring students closer to the Foundation. For 2023, a budget of P500,000 was allocated from the Intel Fund to support the prototyping requirements of student projects with potential societal or industrial impact. UPERDFI circulated a call for proposals through the Associate Dean for Student Affairs to which it received 11 applications. The screening of these applications was performed by select members of the Innovation Committee. UPERDFI also accepted applications submitted to and screened by UPSCALE, UP Diliman's Innovation Hub.

In the end, four projects were selected for funding with grants ranging from P10,500 to P100,000. Following is a list of the awarded projects and their current status.

FIAAC

FIAAC is a Tagalog-focused augmentative and alternative communication system for Filipino children with speech difficulties. Aside from helping its users communicate, it is a tool used by speech therapists for language development. The project proposed to develop a Tagalog-focused android-based app for the purpose. Currently available AAC systems do not have adequate support for the Tagalog language. The project was granted an amount of P98,400.

The main proponent of the project is a computer engineering student of the UP Electrical and Electronics Engineering Institute. He is collaborating with a speech therapist from the National Institute of Health.



Development of the first version of the app was completed in 2023 and is now undergoing trial use. To achieve mass adaptation, the project team enrolled as a startup in the latest UPSCALE cohort under the name of AAClatan. They intend their project to end up being a sustainable social enterprise.

KoolGear

KoolGear, a project headed by a graduate student from the UP College of Engineering, was the only project endorsed by UPSCALE from among the applications they screened. The project proposal came out of the Technopreneurship Course offered by the College. P100,000 was awarded to the project. The amount was used to develop the first prototypes of a wearable cooling device for motorcycle riders.

KoolGear also joined the latest cohort of UPSCALE. With UPSCALE's help, they hope to generate investments and create a successful business enterprise. They have been busy marketing the product through social media channels and are currently gearing up for their commercial production run.



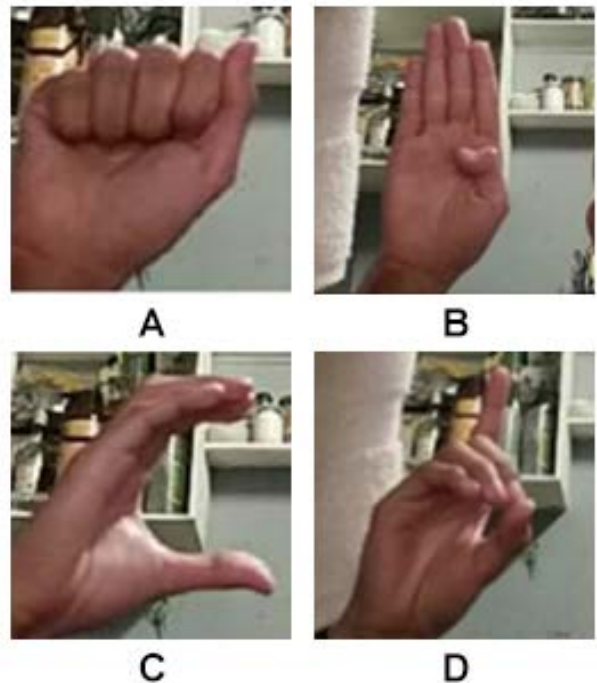
Sign Language Detection and Captioning for Video Conferencing Using Machine Learning

This was the smallest project supported by UPERDFI. The requested amount was P10,500. It was carried out by undergraduates from the UP Electrical and Electronics Engineering Institute in fulfillment of their capstone project requirement. It is part of a bigger project to develop an add-on for video conferencing systems that would recognize and caption Filipino sign language. The scope was limited to the detection of individual signs and did not cover being able to produce phrases or fully formed sentences. This will be covered by succeeding projects. The project was completed to the satisfaction of the team's project adviser.

Formulation of Long Persistent and Retroreflective Luminescent Pavement Marking Paint

The proposal is from a team from the Institute of Civil Engineering. Their objective is to formulate highly visible, highly durable, and long persistence glow-in-the-dark pavement marking paint for road marking applications. They asked to be granted P89,000, mostly for the purchase of chemicals needed for them to experiment on various formulations. They are receiving technical support from the Materials Engineering group of the College.

The team intended to complete the project by December 2023. They encountered delays however in the procurement of the chemicals needed, having to source most of these from overseas. They will be completing the project the second semester of AY 2023-2024. If successful, the proponents intend to convert the project into a business enterprise. UPERDFI will continue to monitor the progress of this project.



Other Research-to-Market Activities

The Innovation Committee continues to provide senior partners and mentors to startups and project teams incubated at UPSCALE. Three UPSCALE startups closely watched by UPERDFI are AIMHI, a company that incorporates AI in the management of construction projects; and KoolGear and AAClatan whose activities have already been described. UPERDFI also continues to look for commercial opportunities for completed research projects.

Recently, UPERDFI connected the PAVE project, a system developed by the National Center for Transportation Studies led by the Institute of Civil Engineering Assistant Professor Lea B. Bronuela-Ambrocio to automate the inspection of roads, to two possible industry adaptors. Finally, UPERDFI continues to provide administrative and fund management support to contracted research activities. An ongoing activity is the STEALTH project funded by Craft Research Technologies, Inc., led by the Department of Mining, Metallurgical and Materials Engineering Professor Dr. Magdaleno R. Vasquez, Jr. in collaboration with Electrical and Electronics Engineering Institute Professor Maria Theresa G. de Leon, which aims to develop a differentiated panel for harvesting solar energy.

Chairman:

Enrico C. Paringit

Co-Chairman:

Rafael Nestor V. Mantaring

Members:

Roberto F. Batungbacal
Emmanuel D. Bautista
Jerome Castañeda
Frederick D. Chua
Joey Climaco
Mary Rose de la Cruz
Leo De Velez

Glenn C. Gratil
Robert O. Minguéz II
Jose Maria A. Ochave
Patrick M. Ostrea
Olegario G. Villoria, Jr.
Nicanor S. Villaseñor III

Membership Committee

UPERDFI Strategic Objective on Membership

The Membership Committee remained driven by Strategic Objective No. 3 which was defined in the UPERDFI Strategic Plan updated in February 2022:

Fully tap the network of members, alumni and partners in support of our initiatives with emphasis on membership, resource generation and administration.

Deliverables and Key Accomplishments

The year's initiatives focused essentially on two fronts – recruitment of new members and engagement of existing members.

In service of these, the Membership Committee defined (4) major deliverables in 2023:

1. Broaden Membership Engagement to boost members' involvement in the various initiatives of the Foundation
2. Sustain the annual recruitment campaign to add to the Foundation's roster of members
3. Initiate a branding strategy that clearly identifies to all who the Foundation is and what it is we do that sets us apart
4. Launch and institutionalize an annual Recognition Event for donors, partners, and members of the Foundation

To follow-up the November 30, 2022 face to face Membership Engagement launch at the Wack Wack social hall, the Committee conducted a similar event via ZOOM on March 24, 2023. There were 35 attendees (8 Trustees, 6 Membership Committee members & 13 new faces among the Members). Dean Tonette Tanchuling keynoted the event by presenting the UP COE vision. Executive Director Tito Aliga followed with a presentation on the Foundation's initiatives and priority needs, setting the stage for a well-paced, informative panel session with Sec. Babes Singson, Prof. Glen Tabios and Adviser Lilit Tumbocon. It was then capped by a productive Q&A and observations or suggestions from the Members.



The year's recruitment campaign resulted in the addition of twenty-six (26) new members who were recommended to and subsequently approved by the Board of Trustees:

Name	Batch	Nominated by
Joanne T. Angtuaco	ChE 2001	A. Aliga
Carmina Bayombong	IE 2015	A. Pascual
Jerome Castañeda	ME '97	A. Aliga
Vincent Arnold Chung	IE 2006	A. Aliga
Jennifer Lynn Cua	CoE 2009 University of Waterloo	A. Aliga
Denardo M. Cuayo	EE '86	A. Aliga
Ferdinand O. Geluz	EE '86	A. Aliga
Jose Jesus R. Gomez	ME '88	A. Aliga
Manfred Guangko	MetE '88	A. Pascual
Ma. Cynthia C. Hernandez	MetE '97	A. Aliga
Abdon O. Lago	EE '74	A. Aliga
Epifanio D. Lopez	GE '69	A. Aliga
Richard G. Marquez	IE '78	A. Pascual
Norberto P. Mendoza	IE '80	A. Aliga
Ferdinand P. Ong	EE '74	V. Reyes
Ferdinand A. Pecson	ME '81	A. Aliga
Christine C. Salangad-Pardiñas	IE '93	A. Aliga
Shirlyn B. Chua-Reyes	ChE '86 Xavier University Ateneo de Cagayan	A. Aliga
Jason C. Valderrama	CE 2003	A. Aliga
Miguel R. Chanco	MetE '81	A. Aliga
Pablo Yves L. Dumlaog II	CE 2002	A. Aliga
Emmanuel D. Bautista	ChE '86	A. Aliga
Wendel A. Mediarto	IE '85	A. Bermudo
Luis R. Sarmiento	EM Mapua University	A. Aliga
Wilson A. Sy	CE '87	A. Aliga
Emmanuel V. Manlapig	MetE '65	A. Aliga

The new members were invited for a formal introduction and welcome to the hybrid Annual General Membership Meeting in the National Engineering Center AV & training room on May 17, 2023. This brought the total number of active members to 250.

As a new initiative to engage Members, the Committee organized the first UP Balik-COE tour which followed the Foundation's Annual General Membership Meeting. After lunch, interested Members were invited to visit the High-Performance Computer located in the NEC ground floor, the new institute or department buildings located near the C.P. Garcia perimeter road, rooms, and lab facilities of the College. The participants were toured in an IKOT jeep intended to revive memories of their student days in the campus. The program was an opportunity to meet with Dean Tonette and Dept. Heads and hear from them on the COE priority needs as related to faculty development, student assistance, infrastructure/facilities improvements and R&D work.

Moving into the 2H of 2023, the Committee shifted its primary efforts to two other deliverables:

1. DrinkPH, the service provider for our 50th Anniversary coffee table book and video production projects, was invited to submit a proposal to help design and implement a branding strategy for the Foundation. The intent of the strategy was to build the Foundation's distinct image, create messaging, and generate concrete results from COE, donors and other partners, our members, and other interested stakeholders in the bigger community outside UP. The measures of success were described as follows:
 - Ramp up membership interest and engagement
 - Use as a platform to raise P50M for commissioned research in 3 years and become a PIB asset foundation within a targeted timeframe
 - Put UPERDFI in the map of benchmarked foundations in Asia
2. Institutionalizing an annual and quarterly Recognition Event for Donors, Partners, Supporters, and Members of the Foundation. This was proposed as an intrinsic reward for engagement and contribution of time, talent, treasure, and network and as a practice to be built into the culture and yearly activities of the Foundation.

These were reviewed in the remaining monthly ManCom and the two Board of Trustees meetings of the year until finally gaining approval from the Board last November 22, 2023

As the year 2023 ended, we grew a modest 9% in Membership and observed a slight uptick in attendance in the additional engagement activities. However, involvement in the various Board Committees and special projects of the Foundation remained stagnant at an estimated 10-15% of active members – this remains as a huge opportunity for a breakthrough in the Membership Committee's thrusts. In simple terms, the low involvement rate limits our ability to extend our influence and realize the results of our various initiatives in the Foundation.

Plans for 2024

Our aim of achieving breakthroughs in recruitment and engagement rests heavily on three factors:

1. Impactful results of the Foundation in terms of faculty research work, significant contributions to national development and at least one successful start-up with the potential to become the first PIB unicorn of the country.
2. Creation of a unique brand image anchored on these results and significant achievements of the past that have gone unnoticed
3. Building and sustaining strong and vibrant relationships among a wider range of Members through quarterly gatherings, round table discussions and specific project collaboration.

We firmly subscribe to the premise that Members are the lifeblood of any organization, continuously called upon to contribute to, initiate and drive the efforts that bring impactful results. They will make or break the Foundation since these are the very same results that will sell the distinct UPERDFI brand we seek to create to our donors, partners, supporters and friends.

Chairman:

Valentin A. Reyes

Adviser:

Marcelo M. Casillan, Jr.

Members:

Angelito Bermudo

Ramon M. De Leon

Jose Jesus R. Gomez

Elias Benjamin H. Lava

Wendel A. Mediarito

Jose Mari P. Mercado

Patrick Anthony D.

Pascual

Raymund P. Reyes

Antonio O. Rivera III

Olegario G. Villoria, Jr.

In Memoriam

We remember with gratitude and deep respect the loss of our beloved members who passed away in 2023 and left behind a legacy of excellence, dedication to their work, and giving back to the UP College of Engineering:

- Filemon T. Berba, Jr.
- Rodolfo N. Ferrer
- Rolando T. Dy
- Francisco A. Arellano

May they rest in peace, and may their memories continue to inspire us to pursue our mission with the same level of commitment and passion that they exemplified throughout their lives.

Resource Generation Committee

The Resource Generation Committee focused on harnessing resources to fuel programs in support of the UP College of Engineering and special projects with societal impact.

Engineering Futures Project

Despite several efforts to enhance its educational achievements, the Philippines has unfortunately emerged as an underperformer. According to the Programme for International Student Assessment (PISA) 2022, the Philippines continues to exhibit low scores in reading, mathematics and science putting the future of education and workforce, and national development in peril.

UPERDFI endeavors to spur positive change in STEM education, laying the foundation for a more robust technology-equipped workforce in the Philippines by launching the Engineering Futures Project. To kick off the project, a pilot focusing on Senior High School students in Guiguinto, Bulacan is being initiated to develop and provide a concrete example of how private-sector collaboration can positively impact STEM education. The pilot project endeavors to demonstrate the potential for external support to elevate STEM education standards. This is led by Alex Sy Sun Eng.

Chairman:

Alex Sun Eng Sy

Members:

Alfonso A. Aliga, Jr.

Angelito Bermudo

Jose Jesus R. Gomez

Rafael Nestor V.

Mantaring

Patrick Vincent G. Peña

Gilbert Santa Maria

Victor N. Villagrancia

Berba Room Project

UPERDFI is organizing a fundraising campaign for the renovation of the UP Electrical and Electronics Engineering Building Multimedia Classroom, dedicated to the late UPERDFI Adviser and UP engineering stalwart Engr. Filemon "Jun" T. Berba, Jr. (EE'59). Engr. Berba's remarkable contributions, not only to the UP community but to the country as a whole, inspired the Foundation's members to create a space that reflects his legacy. The project specifications are being finalized with contractors. The project is led by Chicho Mantaring, in collaboration with Lito Bermudo, Alex Sy and the UP Alumni Engineers.

The committee hopes to ramp up the momentum in fundraising and implementing projects in 2024 to UPERDFI's mission of engineering a better Philippines.

Annex 1:

List of Donations Received in 2023

	Donor	Purpose	Amount
Faculty Development			
1	AMH Philippines, Inc.	AMH Philippines Professorial Chair Award	130,000.00
2	Analog Devices Gen. Trias, Inc.	Analog Devices Professorial Chair Award	250,000.00
3	ANTA Construction Corporation	Antonio Tan Giok Khun Professorial Chair Award	130,000.00
4	Antonio Tanchuling, Jr.	Antonio and Lourdes Tanchuling Professorial Chair Award	130,000.00
5	Apex Mining Co., Inc.	Apex Mining Professorial Chair Awards (2)	260,000.00
6	Apolonio and Lorna Yson (via FUPFA)	Apolonio and Lorna Yson Professorial Chair Awards (2)	240,000.00
7	Borland Development Corporation	Pablito R. Hao Chua Professorial Chair Awards (2)	240,000.00
8	Brian Tan Engineering Consultancy Services	David Y. Tan Professorial Chair Award	130,000.00
9	Cenon and Mimilyn Carolino (via FUPFA)	Cenon and Mimilyn Carolino Teaching and Research Award	65,700.00
10	CleanTech Foundation, Inc.	CleanTech Global Renewables Professorial Chair Award	130,000.00
11	DCCD Engineering Corporation	DCCD Engineering Professorial Chair Award	130,000.00
12	DMCI Project Developers, Inc.	DMCI Project Developers Professorial Chair Awards (3) and Teaching and Research Awards (4)	600,000.00
13	Elzar Lorenzana Simon	Elzar Lorenzana Simon Professorial Chair Award	103,253.20
14	Felicidad Z. Reyes	Prof. Felisberto G. L. Reyes Professorial Chair Award	130,000.00
15	Focus Global Inc.	Focus Global Inc. Professorial Chair Award	130,000.00
16	Globe Telecom, Inc.	Globe Telecom Professorial Chair Award	130,000.00
17	Houston Hydrotech Products and Systems, Inc.	Cerlito San Juan Professorial Chair Award	130,000.00
18	Jerome H. Cainglet	Jerome and Mary Iralyn Cainglet Professorial Chair Award (2 Years)	240,000.00
19	Jose Edgard Manrique (via FUPFA)	Jose Edgar Manrique Professorial Chair Award	120,000.00
20	Longridge Construction, Inc.	Longridge Construction Professorial Chair Award	130,000.00
21	Ma. Aura Teodora Matias	Dr. Maria Aura Teodora C. Matias; and Renato Bernales Matias Professorial Chair Awards	240,000.00
22	Manuel R. Bulaong, Jr.	Manuel and Leticia Bulaong Teaching and Research Awards (2)	120,000.00
23	Manuel V. Pangilinan	Manuel V. Pangilinan Professorial Chair Award	120,000.00
24	Maynilad Water Services	Maynilad Water Services Professorial Chair Awards (3)	390,000.00

25	Michael V. Gonzalez	Felix M. Gonzalez Professorial Chair Award	130,000.00
26	Orchards of the Abba Corporation	Orchards of the Abba Corporation Professorial Chair Award	130,000.00
27	People's Asia Pacific Construction Corporation	Domingo Toledo Professorial Chair Award	130,000.00
28	PetroEnergy Resources Corporation	PetroEnergy Resources Professorial Chair Award	130,000.00
29	Philippine Society for Soil Mechanics and Geotechnical Engineering, Inc.	PSSMGE Professorial Chair Award	130,000.00
30	PHINMA Foundation, Inc.	Deans Juan L. Tiongson; Oscar P. Baguio; Ruben A. Garcia; Francisco L. Viray; Reynaldo B. Vea; and Marino Mena Professorial Chair Awards	780,000.00
31	PLDT-Smart Foundation, Inc.	PLDT-Smart Foundation, Inc. Professorial Chair Award	240,000.00
32	Ronaldo S. Ison	Ronaldo S. Ison Professorial Chair Award	130,000.00
33	Renato R. Bello (via FUPFA)	Antonio and Leticia R. Bello Professorial Chair Award	118,593.42
34	Rosario Calderon and Brenton Calderon Marrelli (via FUPFA)	Quintin and Norma Calderon Professorial Chair Award	120,000.00
35	Segovia & Co., Inc.	Jose Segovia Professorial Chair Award	250,000.00
36	Simon Sandoval and Victor Sandoval	Concepcion H. Sandoval Professorial Chair Award	130,000.00
37	SteelAsia Foundation, Inc.	Don Benito Yao Professorial Chair Award	130,000.00
38	Stephen D. Sy	Stephen D. Sy Professorial Chair Award	130,000.00
39	VantageOne Financing Corporation (Carmen V. F. Serifa)	Fernando N. Serifa Professorial Chair Award	130,000.00
Sub-total for Faculty Development			7,227,546.62
Student Support			
40	Aguilar-Meneses Foundation, Inc.	UPIEAA AchIEvers Program	120,000.00
41	Alvarez Foundation Philippines	Alvarez Foundation Scholarship	328,500.00
42	Amante and Cecille Aguilar	Amante and Cecille Aguilar Thesis Support Grants	20,000.00
43	Ana Benedicto (UPAABC)	UPAABC Scholarship Fund	40,000.00
44	Anonymous	Student Support Program	60,000.00
45	BA Foundation (Francis Chua)	Undergraduate Project Competition - Dr. Francis Chua Innovation Awards	300,000.00
46	Cesar G. Romero	Cesar G. Romero Thesis Support Grants	40,000.00
47	Denso Ten Solutions Philippines Corporation	Denso Ten Scholarships	60,000.00
48	Dr. Rajeev Magno Advani and Dr. Vritti M. Advani	Manuel and Carmen Magno Scholarship	27,500.00
49	Edwin Lao	Yin Yong Lao Scholarship	130,000.00
50	Eisenpatt Industrial Engineering Services	Leocadio and Jocelyn Ostrea Thesis Support Grants	50,000.00
51	Elena Laguinia	Enrique Laguinia Thesis Support Grants	10,000.00
52	Emmanuel Manlapig	Prof Emmanuel Manlapig Study Grant	89,999.92

53	Evelyn Mayuga / Interplan Management, Inc. (UPAABC)	UPAABC Scholarship Fund	42,000.00
54	Ferdinand M. de la Cruz	Ferdinand M. de la Cruz Thesis Support Grant	10,000.00
55	Fernand A. Tansingco	Fernand A. Tansingco Thesis Support Grant	10,000.00
56	G.T. Foundation, Inc.	G.T. Foundation, Inc. Scholarship	1,015,000.00
57	Huawei Technologies Philippines, Inc.	Huawei Scholarship	219,000.00
58	J. Amado Araneta Foundation, Inc.	J. Amado Araneta Foundation, Inc. Thesis Support Grants	50,000.00
59	JCV & Associates Project Management and Development, Inc.	JCVA Scholarship	75,000.00
60	Jennifer Lynn Cua	William Cua Study Grant	104,322.34
61	Jollibee Group Foundation, Inc.	UPIEAA AchiEvers Program	60,000.00
62	Manuel R. Bulaong, Jr.	Manuel R. Bulaong, Jr. Thesis Support Grants	100,000.00
63	Maria Bella Tan / Maria Lourdes Tan de Jesus	Bella Tan Scholarship	230,000.00
64	Mario G. Magno (via FUPFA)	Manuel and Carmen Magno Scholarship	8,915.40
65	Megaworld Foundation, Inc.	Megaworld Foundation Scholarship	1,212,500.00
66	Michael V. Gonzalez	PayEngg Forward Scholarships	120,000.00
67	Montepiedra Aggregates Corporation	Francis and Leah Felizardo Thesis Support Grants	50,000.00
68	Multiflex RNC Philippines Corporation (URATEX)	Robert Cheng Uratex Scholarship	505,000.00
69	Nestor Felicio	Felicio Family Study Grants	363,000.00
70	Occidental Data Corporation	UPIEAA AchiEvers Program	60,000.00
71	One Meralco Foundation, Inc.	MPowHer: Meralco Scholarship Program for Women Engineers	150,000.00
72	PGA Earth Structure Solutions, Inc.	PGATECH Scholarship	90,000.00
73	PMC-MMPRC Foundation, Inc.	Philsaga Board Exam Review Support	20,000.00
74	Renato T. Goco	Student Support Program	5,000.00
75	Ricardo Rodriguez	Ricardo Rodriguez Thesis Support Grants	10,000.00
76	Rosario S. Calderon (via Obelisk Corporation)	Quintin Calderon (CE) Student Award	15,000.00
77	Rowena Torres-Ordoñez	Jose C. Torres (EE); and Teodorico Festin (ChE) Student Awards	30,000.00
78	Sherwin O	Sherwin O Thesis Support Grants	20,000.00
79	UP Alumni in Minnesota (UPAM)	UPAM Scholarship Fund	80,122.90
80	UP Industrial Engineering Alumni Association	UPIEAA AchiEvers Program	171,732.60
81	UPAA British Columbia (UPAABC)	UPAABC Scholarship Fund	160,000.00
82	UPAA Greater Los Angeles	UPAAGLA Thesis Support Grants	104,988.50
Sub-total for Student Support Program			6,367,581.66

Infrastructure			
83	Dr. Magdalena B. Albarracin, Jr.	UPD-EEEE Laboratories Upgrade	50,000,000.00
84	Fluor Daniel, Inc. - Philippines	UPD-EEEE Electrical Machines Laboratory Upgrade	2,822,925.00
85	JCV & Associates Project Management and Development, Inc.	UPD-ICE Student Lounge	240,000.00
Sub-total for Infrastructure Program			53,062,925.00
Research and Development			
86	Analog Devices Foundation	UPERDFI@50: STEM Project	29,742.87
87	Craft Research Technologies, Inc.	UPERDFI@50: STEALTH Project	900,000.00
88	Mean Well Enterprises Co., Ltd.	UPERDFI@50: STEM Project	135,000.00
89	The Murata Science Foundation	The Murata Science Foundation Research Grants	680,900.40
90	Universal Robina Corporation	Universal Robina Corporation Research Grants	100,000.00
Sub-total for R&D Program			1,845,643.27
Special Projects			
91	Alma A. Kort	UPIE Golden Pillars Project	17,000.00
92	Angelo Ani	UPIE Golden Pillars Project	10,000.00
93	Antonio M. Ostrea	UPAE Study-Now-Pay-Later Program	500,000.00
94	Benjamin Azada	UPIE Golden Pillars Project	50,000.00
95	DACON Corporation	UPAE Study-Now-Pay-Later Program	7,780,000.00
96	Dr. Luis Pascual	UPIE Golden Pillars Project	10,000.00
97	Earl John Santos	UPIE Golden Pillars Project	10,000.00
98	Erickson Llaguno	UPIE Golden Pillars Project	10,000.00
99	G.E. Antonino, Inc.	Tau Alpha Legacy Project	5,000,000.00
100	Georgiana Ang Dy Pay	UPIE Golden Pillars Project	10,000.00
101	Iris Ann Galarosa-Martinez	UPIE Golden Pillars Project	10,000.00
102	John Amar D. Castro	UPIE Golden Pillars Project	5,000.00
103	Jose Alberto G. Dimayuga	UPAE Study-Now-Pay-Later Program	1,000,000.00
104	Matthew Lester P. Magat	UPIE Golden Pillars Project	5,000.00
105	Mili-Ann Tamayao-Kieke	UPIE Golden Pillars Project	100,000.00
106	One Small Step Forward Foundation, Inc. / Bing and Elise del Rosario	UPAE Study-Now-Pay-Later Program	1,500,000.00
107	Paola Lim	UPIE Golden Pillars Project	10,000.00
108	Raymond Lagria	UPIE Golden Pillars Project	10,000.00

109	Regine Tejada	UPIE Golden Pillars Project	20,000.00
110	Richelle Relator	UPIE Golden Pillars Project	10,000.00
111	Roger Chua	UPAE Study-Now-Pay-Later Program	25,000.00
112	Seaoil Philippines, Inc.	Tau Alpha Legacy Project	400,000.00
113	Shmer Ocampo-Obillo	UPIE Golden Pillars Project	10,000.00
114	Simon Anthony Lorenzo and Lizabeth Ann Franco-Lorenzo	UPIE Golden Pillars Project	20,000.00
115	UP CIEM Batch 2005	UPIE Golden Pillars Project	25,000.00
116	Yongden Technology Corporation	UPAE Study-Now-Pay-Later Program	1,000,000.00
Sub-total for Special Projects			17,547,000.00
Administration			
117	ACE Electronic Technology, Inc.	Admin Fund	100,000.00
118	BA Foundation (Francis Chua)	Admin Fund	20,000.00
Sub-total for Administration			120,000.00
Total Donations in 2023			86,170,696.55

Annex 2: List of Professorial Chair Awards (AY 2023-2024)

	Chair Name and Donor	Awardee (Dept/Inst)	Research Title
Category 4 (P300,000)			
1	Alejandro Melchor Prof. Chair in Engineering Donor: Dr. Magdaleno B. Albarracin, Jr. and DMCI Holdings	Tanchuling, Maria Antonia N. (ICE)	Analysis and Characterization of Wastes in a Closed Dumpsite of an Urbanized City
Category 3 (P240,000)			
2	Analog Devices, Inc. Prof. Chair Donor: Analog Devices Gen. Trias, Inc.	Alarcon, Louis P. (EEEI)	Passive 5.8GHz RF Energy Harvester in 65nm CMOS
3	Dado & Maria Banatao Prof. Chair 01 Donor: Dado and Maria Banatao Institute	Naval, Prospero Jr. C. (DCS)	AI-TEWS: An Artificial Intelligence-assisted Thunderstorm Early Warning System using Doppler Radar Reflectivity and Lightning Information
4	Dado & Maria Banatao Prof. Chair 02 Donor: Dado and Maria Banatao Institute	Atienza, Rowel (EEEI)	Efficientspeech: An On-Device Text to Speech Model
5	Dado & Maria Banatao Prof. Chair 03 Donor: Dado and Maria Banatao Institute	Festín, Cedric Angelo M. (DCS)	Contextualizing the use of Streaming Media User Engagement Metrics for Online Learning Media

Category 2 (P120,000)

6	Alexan Prof. Chair Donor: Ace Electronics Technology, Inc. (ALEXAN)	Ramos, Manuel Jr. (EEEE)	Throttle and Brake Control using Fuzzy-Neural Algorithm in Car Following
7	Ambrosio Magsaysay Prof. Chair in Engineering Donor: A. Magsaysay Corporation	Regidor, Jose Regin F. (ICE)	Evaluation and Improvement of Road Safety in the Vicinity of Schools
8	AMH Philippines Prof. Chair in Civil Engineering Donor: AMH Philippines, Inc.	Baniqued, Julius Rey D. (ICE)	SCREEN: A Scoring Framework for Novice Screeners to Estimate the Seismic Risk of Damage to Low-Rise Concrete Structures
9	Angel A. Alejandro Prof. Chair Donor: NHRC and Marcelo Casillan, Jr.	Tamondong, Ayin M. (DGE)	Comparative Analysis of Random Forest and Support Vector Machine for Benthic Habitat Segmentation.
10	Antonio and Lourdes Tanchuling Mining Engineering Centennial Prof. Chair Donor: Dr. Antonio N. Tanchuling, Jr.	Menor, Terence Lucero F. (DMMME)	Dissolution behavior of copper from sulfide concentrate in various media
11	Antonio G. Tan Giok Kun Prof. Chair in Civil Engineering Donor: ANTA Construction Corporation	Hernandez, Jaime Jr. Y. (ICE)	Possible Cause of Failure of the Siargao Gymnasium Roof
12	Apex Mining Prof. Chair in Metallurgical Engineering Donor: Apex Mining Co., Inc.	Espiritu, Richard DV. (DMMME)	High Performance FeCo/NC-Mo2TIC2/CNT Hybrid Support Catalyst for Oxygen Reduction in Anion Exchange Membrane Fuel Cell
13	Apex Mining Prof. Chair in Mining Engineering Donor: Apex Mining Co., Inc.	Baladad, Karlo Leandro D. (DMMME)	Characterization and assessment of heavy metal leachability of tailings and silt from Mogpog and Boac River in Marinduque
14	Apolonio P. & Lorna L. Yson Prof. Chair in ChE Donor: Apolonio and Lorna Llave Yson	De Leon, Rizalinda L. (DChE)	Integrated Pyrolysis Compression Cycle for Electricity from Coconut Shells
15	Apolonio P. & Lorna L. Yson Prof. Chair in ME Donor: Apolonio and Lorna Llave Yson	Quiros, Edwin N. (DME)	Experimental Study on Performance of a Single-Cylinder Engine Fuelled with Diesel and Vegetable Oil-Diesel Blends
16	Ariston I. de los Reyes Engineering Centennial Prof. Chair Donor: MacArthur and Josefina de los Reyes	Sarmiento, Czar Jakiri S. (DGE)	Locational Intelligence in Participative Governance: Development of City Digital Twins
17	Atty. Raul C. Villanueva Prof. Chair Donor: Philsaga Mining Corporation	Buño, Kelvin C. (DCS)	Solving 3-SAT in Distributed RPC Systems: The case of 3 or more components
18	Beatriz Basa-Altura Prof. Chair in CE Donor: Claudio B. Altura(+)	Quinay, Pher Errol B. (ICE)	Evaluation of Interoperability by Quantifying Data Integrity in the Integration of BIM And Structural Analysis for Multiple Levels of Development
19	Beta Epsilon Prof. Chair Donor: Beta Epsilon Fraternity	Acacio, Alexis Philip A. (ICE)	Post Construction Assessment of Capacities of Deep Foundations
20	Cerlito San Juan and Family Prof. Chair Donor: Cerlito San Juan and Family / Houston Hydrotech Products and Systems, Inc.	Garcia, John Carlo S. (DME)	Design of a Numerical Simulator for Finned-Tube Heat Exchangers with Arbitrary Circuitry
21	Cesar A. Buenaventura Prof. Chair Donor: Pilipinas Shell Petroleum Corporation	Ocon, Joey D. (DChE)	Storm Hardening and Insuring Energy Systems in Typhoon-prone Regions: A Technoeconomic Analysis of Hybrid Renewable Energy Systems in the Philippines' Busuanga Island Cluster
22	Cesar A. Buenaventura UP Centennial Maynilad Prof. Chair Donor: Pilipinas Shell Petroleum Corporation	Bongolan, Vena Pearl A. (DCS)	Lessons Learned From the COVID-19 Pandemic: An Analysis of Regional Philippine Data and COVID-19 Outcomes
23	Chancellor Ernesto G. Tabujara Prof. Chair Donor: Mr. Ricardo Tabujara III and Mr. Victor N. Villagracia	Encarnacion, Job Immanuel B. (DME)	Levelised Cost of Energy for High Tip-Speed Ratio Tidal Turbines Operating in Less Energetic Flows
24	Chua Liong and Loreta Dy Chua Prof. Chair Donor: Chua Liong and Loreta Dy Chua	Baynosa, Marjorie L. (DChE)	Highly Active Z-scheme Heterojunction Photocatalyst of Anatase TiO2 Octahedra Covered with C-MoS2 Nanosheets for Efficient Degradation of Organic Pollutants Under Solar Light
25	Ciriaco Prof. Chair in Civil Engineering Donor: Ciriaco Corporation	Victor, Jaime Angelo S. (ICE)	Assessment of Liquefaction Severity in Metro Manila Coastal Lowlands due to Sea Level Rise
26	CleanTech Global Renewables Prof. Chair in Renewable Energy Donor: CleanTech Global Renewables	Cervera, Rinlee Butch M. (DMMME)	Effect of precursor particle size of NiO-YSZ electrodes in its physico-chemical and electrical conductivity properties for solid oxide electrochemical cells

27	Concepcion Hidalgo Sandoval Memorial Foundation Prof. Chair Donor: Concepcion Hidalgo Sandoval Memorial Foundation	Cajote, Rhandley (EEEI)	Video Dataset Labeling Using Active Learning with Applications in Vehicle Classification and Traffic Flow Rate Measurement
28	DATEM & ACES Prof. Chair Donor: DATEM, Inc.	Gaspay, Sandy Mae A. (ICE)	Towards Better Cycling Policies: Insights From Surveying Cyclists in Metro Manila
29	David M. Consunji Prof. Chair in Engineering Donor: DMCI Holdings, Inc.	Palmiano, Hilario Sean O. (ICE)	Development of Pavement Conditions Index (PCI) for Asphalt National Roads in the Philippines
30	DCCD Engineering Corporation Prof. Chair Donor: DCCD Engineering Corporation	Dalisay, Jon Dewitt E. (DME)	Towards Vibration-Based Damage Detection for 3D-Printed Cantilevered Beams Using Phase-Based Motion Magnification and Finite Element Model Updating
31	Dean Alfredo L. Juinio Prof. Chair Donor: A. L. Juinio Family and Friends	Antonio, Oscar Victor M. Jr. (ICE)	Piezoresistivity of Graphene Nanoplatelet Modified Concrete
32	Dean Francisco L. Viray Prof. Chair Donor: Dr. Magdalena B. Albarracin, Jr.	Tria, Lew Andrew (EEEI)	Speed performance of modular stator, segmented rotor switched reluctance motor
33	Dean Juan L. Tiongson Prof. Chair Donor: Dr. Magdalena B. Albarracin, Jr.	Feria, Rommel P. (DCS)	Design and Development of a Tool for Detecting Deceptive Design on Websites: A Step towards Combating Dark Patterns
34	Dean Marino Mena Prof. Chair in Engineering Donor: PHINMA Foundation	Aberilla, Jhud Mikhail O. (DChE)	Assessing the Carbon Footprint of the University Of the Philippines Diliman Campus
35	Dean Oscar P. Baguio Prof. Chair Donor: Dr. Magdalena B. Albarracin, Jr.	Magdaluyo, Eduardo Jr R. (DMMME)	Numerical and experimental ballistic performance investigation of hybrid pineapple leaf fabric-synthetic fiber-reinforced polymer composite plates
36	Dean Reynaldo B. Veja Prof. Chair Donor: Dr. Magdalena B. Albarracin, Jr.	Villar, John Justine (DCS)	Port Capacity Measurement and Demand-based Timetable Development for Cebu Ports: A Case Study
37	Diliman Integrative Technical Consultancy, Inc. Prof. Chair Donor: Diliman Integrative Technical Consultancy, Inc. (DITCI)	Jalao, Eugene Rex L. (IEORD)	Development of UP Veterinary Teaching Hospital's Automated Information System: Electronic Database and Records Management Software Applications Program
38	DMCI Project Developers Prof. Chair 1 Donor: DMCI Project Developers	Germar, Fernando J. (ICE)	Seismic Retrofit of a School Building using ASCE 41
39	DMCI Project Developers Prof. Chair 2 Donor: DMCI Project Developers	Tingatinga, Eric Augustus J. (ICE)	Basic Design Guidelines for the Storage of Explosive Chemicals
40	DMCI Project Developers Prof. Chair 3 Donor: DMCI Project Developers	Torio-Kaimo, Lestelle V. (ICE)	Exploring the Viability of Plastic Waste as an Alternative Material for Soil Reinforcement
41	Dominador Ilio Engg Centennial Prof. Chair Donor: MacArthur and Josefina de los Reyes	Tan, Liezl Raissa E. (ICE)	Development of the Damage Attribution Chart Identifying the Wind-Susceptible Building Component by Incorporating Fault-Tree Analysis into the Component-based Vulnerability Modelling Against Severe Wind – A Case of the Philippine Public-School Buildings
42	Domingo Toledo Prof. Chair Donor: Domingo Toledo Family / Peoples Asia Construction Corp.	Ejera, Stan Kristian G. (DMMME)	A comparison of the different welding weaving patterns using metallographic analysis and hardness profiling
43	Don Benito Yao MetE Centennial Prof. Chair in MetE Donor: SteelAsia Foundation	Luiastro, Franco Danilo C. (DMMME)	Using simulations to study the effects of ball mill and hydrocyclone parameters to the P80 of a pilot-scale mineral processing plant
44	Don Felipe Say & Theresa Chua Say Prof. Chair Donor: Don Felipe Say and Theresa Chua Say	Ballesteros, Florencio Jr. C. (DChE)	Remediation of an LNAPL Contaminated Aquifer Using Multi-Phase Extraction Method: A Philippine Case Study
45	Dr. Leonardo Q. Liongson Prof. Chair in HydE Donor: UPERDFI and Victor N. Villagracia	Soriano, Roberto (ICE)	Flood Risk Assessment Framework for a Municipal Stormwater Drainage Master Plan
46	Dr. Luis D. Pascual Prof. Chair in Systems Thinking and System Dynamics Donor: Dr. Luis D. Pascual	Lagria, Raymond Frith A. (IEORD)	Generation of User Requirements for a Mental Health Mobile Application from an Online Public Forum: A Topic Modelling Approach

47	Dr. Magdaleno B. Albarracin Jr. UP Centennial Prof. Chair in Engineering Donor: AB Capital / Union Galvasteel/ Bacnotan Consolidated/ Phinma/ Transasia Oil & Energy/ Phinma Property Holdings	Tumolva, Terence P. (DChE)	Kinetics modelling of vitamin B12 release in an agar/k-carrageenan hydrogel blend
48	Dr. Maria Aura Teodora C. Matias DIEOR Golden Jubilee Prof. Chair in Human Factors and Ergonomics Donor: Dr. Maria Aura Teodora C. Matias	Custodio, Benette P. (IEORD)	Association of psychosocial risk factors and musculoskeletal discomfort of Students in the Remote Learning Set-up
49	Dr. Mariano P. Ramiro Prof. Chair for Materials Engineering Donor: Atty. Ma. Elena C. Ramiro	Dela Peña, Eden May B. (DMMME)	Microstructure and Corrosion Behavior of Oxidized AA6061 using Potentiostatic Plasma Electrolytic Oxidation
50	Dr. Olegario G. Villoria, Jr. Prof. Chair Donor: Dr. Olegario G. Villoria, Jr.	Ang, Ma. Rosario Concepcion O. (DGE)	Application of Geospatial Techniques for Urban Air Quality Dispersion Modelling
51	Edgardo S. Pacheco Prof. Chair Donor: PHINMA Foundation	Gonzales, Arthur III A. (DChE)	In Silico Screening and Identification of Antidiabetic Inhibitors Sourced from Phytochemicals of Philippine Plants against Four Protein Targets of Diabetes (PTPIB, DPP-4, SGLT-2, and FBPase)
52	Edison Coseteng Prof. Chair in Electrical Engineering Donor: MMI Holdings, Inc.	Tolentino, Carl Timothy (EEEI)	Classification of Plucking Techniques from the Audio and Video of a Classical Guitar Performance
53	Elzar Lorenzana Simon DIEOR Golden Jubilee Prof. Chair in Artificial Intelligence Donor: Mr. Elzar L. Simon	Remolona, Miguel Francisco M. (DChE)	Engineering the Human Metabolism: Urine
54	Ernesto & Evelyn Cua Prof. Chair in Computer Science/AI Donor: Ms. Jennifer Lynn Cua	Figuerola, Ligaya Leah L. (DCS)	Spatial analysis to identify disparities in Philippine public school facilities
55	Federico E. Puno Prof. Chair A Donor: Semirara Mining and Power Corp.	Villalba, Imee Bren O. (ICE)	A Study on Typhoon-induced Storm Surges and Waves in Manila Bay using a Coupled Tide Surge Wave Model
56	Federico E. Puno Prof. Chair B Donor: Semirara Mining and Power Corp.	Macuha, Richmark N. (ICE)	Impact Evaluation Of Land Use–Land Cover Change On The Hydrology Of Salipit River Basin Cavite, Philippines
57	Felix M. Gonzalez Prof Chair in Materials Engineering Donor: Mr. Michael V. Gonzalez	Vasquez, Magdaleno Jr. R. (DMMME)	Development of an Atmospheric Pressure Plasma Source for Treating Bamboo (<i>Bambusa blumeana</i>) Slats
58	Fernando N. Serifa Prof. Chair in ME Donor: Carmen V.F. Serifa / VantageOne Financing Corporation	Denoga, Gerald Jo C. (DME)	Comparison of Energy-Based Drive Cycles Generated from GPS-based Methodology versus GPS/INS-based Methodology
59	FF Cruz Prof. Chair in Geodetic Engineering Donor: FF. Cruz & Co., Inc.	Principe, Jeark A. (DGE)	Assessment of Cropland Transition to Solar Farms and Other Land Use/Cover Using RS, GIS and ANN-CA
60	Filadelfo Panlilio Prof. Chair Donor: PHINMA Foundation	Solamo, Rowena C. (DCS)	Tono: Development and Evaluation of an Educational Rhythm Android Game for Learning Musical Harmonic Intervals
61	Filemon Rodriguez Prof. Chair in Computer Science Donor: PHINMA Foundation	Festin, Susan P. (DCS)	Evaluating Adversarial Attacks on Fake News Detection in English and Filipino
62	Filminera Prof. Chair in Mining Engineering Donor: Filminera Mining Corporation	Tungpalan, Djoan Kate T. (DMMME)	Quantitative Mineralogical Characterization of Complex Ores to Interpret Behavior in Processing
63	Focus Global Inc. Prof. Chair in Engineering Donor: Focus Global Inc.	Llaguno, Erickson L. (IEORD)	Improving An Organization's Physical Asset Management: The Case of Bureau of Equipment of Department (BOE) of Public Works and Highways (DPWH)
64	Fortunato T. de la Peña Prof. Chair for Productivity Engineering Donor: Mr. Renato M. Tanseco	Martinez, Iris Ann G. (IEORD)	Optimizing the Maintenance Cost of a System with Two Components Using Policy-Based Conditional Maintenance
65	GE Phils. Meter & Instrument Co. Prof. Chair Donor: GE Philippines	Hizon, John Richard (EEEI)	Optical-based Platforms for Hydroponic Systems
66	Geotechnics Philippines, Inc. Prof. Chair Donor: Geotechnics Philippines, Inc.	Alcantara, Matthew Travis M. (ICE)	Behavior of Two-Tiered Mechanically Stabilized Earth Retaining Wall with Bamboo Reinforcement under Isolated Footing Loads
67	Globe Telecom Inc. Prof. Chair in ECE Donor: Globe Telecom Inc.	Pedrasa, Jhoanna Rhodette I. (EEEI)	Millimeter Wave Radar Sensing Technology for Filipino Sign Language Recognition

68	H.B. Reyes ME Centennial Prof. Chair Donor: Ms. Filomena Reyes-Carlos and Mr. Meneleo Carlos, Jr.	Abuan, Binoo E. (DME)	Suitability Investigation and Technical Assessment Using Multi-Criteria Decision Analysis for Offshore Wind Farms in the Philippines
69	Holcim Prof. Chair Donor: Holcim Philippines	Resurreccion, Augustus C. (ICE)	Predictive Transport Model of Bisphenol-A in Main Pampanga River
70	Integrated Microelectronics Inc. Prof. Chair Donor: Integrated Microelectronics, Inc.	Diaz, Leslie Joy L. (DMMME)	Development of Tissue-Mimicking Materials for Use in Gynecologic and Obstetrics Ultrasound-guided Procedures
71	Jerome & Mary Irilyn Cainglet Prof. Chair in Chemical Engineering Donor: Jerome and Irilyn Cainglet	Del Rosario, Julie Anne D. (DChE)	Levelized cost of hydrogen produced via solar- and wind-powered electrolysis in the Philippines
72	Jesus Francisco Prof. Chair (Energy/Railways) Donor: Jesus P. Francisco(+) and Ms. Mariel N. Francisco	Berana, Menandro S. (DME)	Numerical Analysis of Power Generation from Low-Grade Waste Heat of Window Type Air Conditioners using Thermoelectric Generators
73	Jorge M. Consunji Prof. Chair in Engineering Donor: DMCI Holdings, Inc.	Mabaquiao, Luis Carlos S. (DGE)	Dynamic Hazard Assessment for Slow-Moving Landslides using Persistent Scatter Interferometry in Antipolo City
74	Jose Edgar Manrique Prof. Chair in Industrial Engineering Donor: Mr. Jose Edgar Manrique	Soriano, Virginia J. (IEORD)	Emerging Trends and Opportunities in Healthcare Facilities Management
75	Jose P. Segovia Prof. Chair Donor: Segovia & Co.	Odulio, Carl Michael F. (EEEE)	Generation and Network Planning of Utility-Scale Grid-Connected Microgrids
76	Lagman Family Prof. Chair in Engineering Donor: Augusto C. Lagman	Alamani, Bryan G. (DChE)	On the Influence of Sodium Alginate in Struvite Crystal Morphology
77	Leopoldo V. Abis Prof. Chair Donor: Ms. Lilia Abis and Friends	Reyes, Joseph Gerard T. (DME)	Determination of Locations of High Concentration of Indoor Pollutants Using Air Flow Measurements and Modelling
78	Longridge Construction, Inc. Prof. Chair in Civil Engineering Donor: Longridge Construction, Inc.	Sadie, Noriza T. (ICE)	Assessment of e-commerce plastic waste management during the COVID-19 pandemic in Dasmarina, Cavite
79	MacArthur and Josefina de los Reyes Engineering Centennial Prof. Chair in Electrical Engineering Donor: MacArthur and Josefina de los Reyes	Alvarez, Anastacia B. (EEEE)	Energy-Efficient Sparse Hyperdimensional Computing for Speech Recognition
80	Mantaring-Gervasio Prof. Chair Donor: Mr. Rafael Nestor and Ms. Rizalina Gervasio-Mantaring	De Leon, Maria Theresa (EEEE)	A 9-bit 2MS/s Set-and-Down Monotonic SAR ADC in 22nm-FDSOI for MEMS-based Thermoelectric Sensor Readout Interface Circuit
81	Manuel M. Lopez UP Centennial Prof. Chair Donor: Meralco Millenium Foundation, Inc.	Rosales, Marc D. (EEEE)	Performance Analysis of Multistage Cross-Coupled Differential-Drive Rectifiers using Simulations on 65nm CMOS Process
82	Manuel V. Pangilinan Prof. Chair Donor: Manuel V. Pangilinan	Valdez, Adrian Roy L. (DCS)	Assessing the recording of road crash data in the Philippines: The case of the DRIVER System
83	MARITHE GIRBAUD Donor: JVS Worldwide	Rosete, Maricar M. (DMMME)	Estimating the Lattice Constants from X-ray Diffraction Patterns in the Presence of a Zero-point Shift
84	Maynilad Prof. Chair (1) Donor: Maynilad Water Services, Inc.	Diola, Ma. Brida Lea D. (ICE)	Development and application of a rapid risk assessment tool (RRAT) for rehabilitation of disposal sites: Case study of Province of Aklan, Philippines
85	Maynilad Prof. Chair (2) Donor: Maynilad Water Services, Inc.	Yap, Kristian July R. (DChE)	Performance modeling of anion exchange membrane water electrolyzer (AEMWE) for hydrogen production: Potassium hydroxide (KOH)-based gel polymer electrolytes (GPE)
86	Maynilad Prof. Chair (3) Donor: Maynilad Water Services, Inc.	Herrera, Eugene C. (ICE)	Sustainable development of blue-carbon ecosystems: understanding the case of Batan Bay estuary through numerical analysis
87	Meneleo G. Carlos Sr. EE Centennial Prof. Chair Donor: Mr. Meneleo Carlos, Jr. and Ms. Filomena Reyes Carlos	Austria, Isabel M. (EEEE)	Self-Organizing Multi-hop LoRa Mesh Network for Wide Area Air Quality Monitoring
88	Meralco Prof. Chair Donor: Meralco	Pedrasa, Michael Angelo A. (EEEE)	Distributed Demand Management Considering Thermal and Service-based User Comfort Under Forced Curtailment

89	Nippon and Telephone Telegraph Prof. Chair Donor: NTT	Co. Paul Jason (EEEE)	UP Diliman Campus Wireless Sensor Network Channel Modeling
90	Oscar M. Lopez Prof. Chair in Environmental Engineering Donor: Pilipinas Shell Petroleum Corporation	Rollon, Analiza P. (DChE)	"Pilot-Scale Composting Dewatered Biosolids from Domestic Septage: Process Dynamics and Residual Compost Profile
91	Pablito R. Hao Chua Prof. Chair in Chemical Engineering Donor: Borland Development Corporation	Perez, Jem Valerie D. (DChE)	Effect of Ligand Concentration on the Stability and Copper (II) Sensing Performance of Humic Acid-Functionalized Silver Nanoparticles
92	Pablito R. Hao Chua Prof. Chair in Materials Engineering Donor: Borland Development Corporation	Balela, Mary Donnabelle L. (DMMME)	Effect of Citric Acid as Crosslinker on the Structure and Properties of Cassava Starch Films
93	Petroenergy Resources Prof Chair in Energy Engineering Donor: PetroEnergy Resources Corporation	Orillaza, Jordan Rel C. (EEEE)	Dynamic Sizing of Frequency Control Ancillary Service Requirements for a Philippine Grid
94	PHINMA Foundation Prof. Chair Donor: PHINMA Foundation	Mercado, Candy C. (DMMME)	Simulation of Heat Transfer of Various Gold Nanoparticle Geometries in Gelatin
95	PLDT-Smart Prof. Chair Donor: PLDT-Smart Foundation, Inc.	de Guzman, Jaybie A. (EEEE)	Enhancing Web Authentication Security Using Random Forest
96	Prof. Alfredo B. Juinio, Jr. Prof. Chair in Civil Engineering Donor: Erlina Juinio and Family	Zarco, Mark Albert H. (ICE)	On the estimation of soil compression index using empirical correlations.
97	Prof. Dominador Ilo Prof. Chair Donor: Beta Epsilon Fraternity	Soriano, Jaymar B. (DCS)	Improving Throughput Using Traffic Signalization Based on Critical Queuing and Addition of Superstreets
98	Prof. Felisberto G. L. Reyes Prof. Chair Donor: Ms. Felicidad Zafra-Reyes	Carcellar, Bienvenido III G. (DGE)	Space-Time Hotspot Analysis of Road Accidents in Commonwealth Avenue, Quezon City
99	Quintin & Norma Calderon Prof. Chair in Civil Engineering Donor: Ms. Rosario S. Calderon	Vergel, Karl B. N. (ICE)	Estimation of Transportation Emissions of the Philippines
100	Reciñas-Simon Prof. Chair Donor: Mr/Mrs Dave and Corinne Reciñas-Simon	Adolacion, Jay R T. (DChE)	Isolation and Barcoding of Trace Pollen-Free DNA for Authentication of Honey
101	Renato Bernales Matias Prof. Chair in Human Factors and Ergonomics Donor: Dr. Maria Aura Teodora C. Matias	Grego-Jalao, Lorelie C. (IEORD)	IE students' well-being and experiences in the blended learning setup: A case study
102	Renato M. Tanseco Prof. Chair in ME Donor: Automated Technology Philippines, Inc.	Balbarona, Juvy A. (DME)	Analysis of the Energy Consumption of the Light Rail Transit (LRT) Line 1 with Stop-Skipping Plan
103	Robert Cheng - Uratex Prof. Chair (1) Donor: Multiflex RNC Corporation (Uratex)	Macapinlac, Oliver T. (DGE)	Monitoring and Assessment of Tenure Instruments for Land Administration and Management
104	Robert Cheng - Uratex Prof. Chair (3) Donor: Multiflex RNC Corporation (Uratex)	Regonia, Paul Rossener (DCS)	Machine learning-enabled nanosafety assessment of multi-metallic alloy nanoparticles modified TiO2 system
105	Ronaldo S. Ison Prof. Chair in Structural Engineering and Disaster Risk Management Donor: Mr. Ronaldo S. Ison	Sadie, Homer T. (ICE)	Risk Assessment of Recent Road Construction Projects in Metro Manila
106	San Roque Power Corporation Prof. Chair in Computer Science Donor: San Roque Power Corporation	Tan, Wilson M. (DCS)	Leveraging electronic device outputs for service quality assessment of public transportation systems: An initial look at the Philippines' service contracting program through data analytic lens
107	Semirara Mining Corporation Prof. Chair in Computer Science Donor: Semirara Mining and Power Corporation	Adorna, Henry N. (DCS)	Bounds on Allowable Decoherence per Operation per Qubit of Some Quantum Algorithms
108	Semirara Mining Corporation Prof. Chair in Engineering Donor: Semirara Mining and Power Corporation	Oyales, Mitch-Irene Kate G. (DMMME)	Pyrolysis Products of Single-Use Face Masks Using Bentonite as Catalyst in Carbon Dioxide (CO2) Environment
109	Semirara Mining Corporation Prof. Chair in Mining Engineering Donor: Semirara Mining and Power Corporation	Arranz, Christian G. (DMMME)	The Future of Key Technologies in the Large-Scale Philippine Mining Industry: A Scenario-Driven Technology Foresight

110	Sy Ling Chat Prof. Chair Donor: Alex Sy Sun Eng & Benjamin Sy	Ramos, Roseanne V. (DGE)	Estimating airborne particulate matter in the National Capital Region, Philippines using Multiple Linear Regression and Gradient Boosting Algorithm on MODIS MAIAC Aerosol Optical Depth
111	Team Energy Prof. Chair in Energy Engineering Donor: Team Energy Foundation	Tio, Adonis Emmanuel DC (EEEE)	Classification-Based Electricity Theft Detection on Households with Photovoltaic Generation and Net Metering
112	The Abba's Orchard Prof. Chair in Mechanical Engineering Donor: Orchards of the Abba Corporation	Danao, Louis Angelo M. (DME)	The Performance of a Magnus Vertical Axis Wind Turbine in Typhoon Wind Speeds
113	UP Alumni Engineers Prof. Chair Donor: UP Alumni Engineers, Inc.	Zuñiga, Philip Christian C. (DCS)	The Numbers behind Party List Elections in the Philippines: A Statistical Review of the 2022 Party List Elections
114	UP KEM Global - Dr. Luz Salonga Prof. Chair Donor: UP KEM Global / Alex Sy Sun Eng	Pilaro, Karl Ezra S. (DChE)	Explainable Artificial Intelligence for Fault Diagnosis of Industrial Processes
115	UP ME Class 1980 Prof. Chair in Mechanical Engineering Donor: UP ME Class 1980	Lustro, Julius Rhoan T. (DME)	Edge State Switching in Plane Couette Flow
116	UPAE Engineering Centennial Prof. Chair Donor: UP Alumni Engineers, Inc.	Caro, Jaime D.L. (DCS)	HomeWorks: Designing Mobile Applications to Introduce a Digital Platform for the Household Services Sector
117	V & L Aesquivel Prof. Chair in EE Donor: Virgil R. Aesquivel	Sison, Luis G. (EEEE)	"Evaluation of an Investigational Hearing Screening Device (HeLe) to Demonstrate Acoustic Brainstem Response among Normal-hearing Adults"
118	Victor Lim Prof. Chair Donor: Majestic Gas, Inc. / SEA OIL	Reyes, Rosalie B. (DGE)	Assessment Of Moving Base Real-Time Kinematic (Rtk) Positioning using Low-Cost Global Navigation Satellite System (GNSS) Receivers in Vehicle Heading Determination

Category 1 (P80,000)

119	Cristy R. Hernandez Prof. Chair in Engineering Donor: Cristy Hernandez Family	Galeon, Florence A. (DGE)	Geospatial Technologies Applications in Seawall Feasibility and Detailed Engineering Design (DED) Study
120	Hydro Resources Contractors Prof. Chair Donor: Hydro Resources Contractors Corp.	Bautista, Dominic M. (ICE)	Impacts of projected climate change effects on storm surges in Manila Bay: Case of Typhoon Xangsane 2006
121	Jose Ma. Diago De Castro Prof. Chair Donor: Family of Jose Ma. De Castro	Junio, Jessica M. (ICE)	Evaluation of Mechanical Properties of Loadbearing Concrete Hollow Blocks Using Gold Mine Tailing as Partial Substitute to Sand
122	Marubeni UP Centennial Prof. Chair Donor: Marubeni Philippines Corp.	Raquel, Carlo R. (DCS)	Precipitation Nowcasting Using Ground Radar Data and Deep Learning Based Methodologies
123	Pozzolanic Philippines, Inc. Prof. Chair Donor: Pozzolanic Philippines, Inc.	Montealegre, Charlimgagne M. (DChE)	Effect of Blumea Balsamifera Extract on the Kinetics of Calcium Oxalate Monohydrate (COM) Dissolution
124	Quezon Power Prof. Chair Donor: Quezon Power Philippines	Villena, Pierre Allan C. (IEORD)	Prioritization of Customer Response to Online Complaints/ Service Requests via an Integrated Machine Learning and AHP Framework
125	Tomas Padilla Abello Prof. Chair in Mechanical Engineering Donor: Tomas Abello Family	Resurreccion, Joanna Z. (IEORD)	An Economic Inoperability Input-Output Model for Managing the Risks from Local and Global Demand and Supply Shocks on Manufacturing and Service Systems
126	UPIEAA Prof. Chair Donor: UP IE Alumni Association, Inc.	Sonday, Carlo Angelo A. (IEORD)	Design and Implementation of a Laboratory Decision-Support System for DOST-ULIMS

Annex 3:

List of Teaching and Research Awards (AY 2023-2024)

	TRA Name	Awardee (Dept/Inst)
1	Beta Epsilon Alumni	Musico, John Kenneth B. (ICE)
2	Cenon & Mimilyn Carolino	Balbin, Ernest Wendell L. (DME)
3	DMCI Homes	Arocena, Virgel M. (DME)
4	DMCI Homes	Bahia, Roel T. (DGE)
5	DMCI Homes	Beltran, Jerome Cary B. (DCS)
6	DMCI Homes	Clemente, Jhoirene B. (DCS)
7	DMCI Homes	Dela Cruz, Isaac Jerome C. (DChE)
8	DMCI Homes	Fibra, Albert V. Jr. (DME)
9	DMCI Homes	Gabud, Roselyn (DCS)
10	DMCI Homes	Lariba, Ruslord S. (DMMME)
11	DMCI Homes	Medina, Jommer (DGE)
12	DMCI Homes	Tamargo, Ramuel John I. (DChE)
13	DMCI Homes	Teola, Luigi S. (EEEI)
14	DMCI Homes	Zamora, Ma. Bea Angela I. (DGE)
15	Ernesto and Evelyn Cua	Juayong, Richelle Ann B. (DCS)
16	Manuel and Leticia Bulaong	Candelaria, Ma. Doreen E. (ICE)
17	Manuel and Leticia Bulaong	Colegio, Karlo Daniel Q. (ICE)
18	MERALCO	Vergara, Karl Adrian P. (DGE)

	TRA Name	Awardee (Dept/Inst)
19	NHRC TRG	De Villa, Alberto B. (EEEI)
20	Philex	Cabanlig, Francesca Valerie T. (DMMME)
21	PNOC	Elazegui, Erica Erin E. (DGE)
22	UPERDFI	Addawe, Jozelle C. (DCS)
23	UPERDFI	Agar, Joshua C. (ICE)
24	UPERDFI	Amolato, Rochie D. (ICE)
25	UPERDFI	Ang Dy Pay, Giorgiana (IEORD)
26	UPERDFI	Castro, Michael T. (DChE)
27	UPERDFI	Cruz, Loren Angelou (EEEI)
28	UPERDFI	Espenilla, Leonardo Nestor F. (IEORD)
29	UPERDFI	Jeremias, Jayson Sime D. (DChE)
30	UPERDFI	Labao, Alfonso B. (DCS)
31	UPERDFI	Lao, Tiffany Louise B. (DMMME)
32	UPERDFI	Manalo, Jerico S. (DME)
33	UPERDFI	Ordanel, Ivy (DCS)
34	UPERDFI	Raguindin, Ricky Kristan M. (DMMME)
35	UPERDFI	Tejada, Regine A. (IEORD)
36	UPERDFI	Tomacruz, Jan Goran T. (DChE)

Annex 4: List of Scholarships and Study Grants (AY 2023-2024)

Administered by UPERDFI

	Student	Degree Program
Abraham Dario Jr. Donor: Kathrine Dario Delmendo		
1	Beltran, Warren Dominic	BS ME
2	Benedicto, Jhon Jover	BS CoE
3	Caballes, Mel Czarina	BS ME
4	Campos, Kurt Neil	BS ME
5	Comaling, Pauline Mae	BS ME
6	Dannug, Niño Ricofrelle	BS IE
7	Elpedes, Carl Christian	BS CoE
8	Furia, Jhovanna Rica	BS ME
9	Icban, Justin	BS EE
10	Laraño, Jercel	BS ME
11	Menor, John Joshua	BS CoE
Alvarez Foundation		
12	Espinosa, Han	BS ECE
13	Javier, Christian Angelo	BS ME
14	Motio, Karen	BS MatE
15	Rallos, Ron Gilbert	BS MatE
16	Vinuya, Frankee	BS CE
Bella Tan Donor: Maria Bella Tan		
17	Maclang, John Dave	BS GE
18	Magdaraog, Jemcel	BS IE
19	Matsuzaki, Aryssa	BS CoE
20	Nuñez, Sarah Micaela	BS CE

Carmen and Manuel Magno Donor: Mario Magno, Dr. Rajeev Magno Advani and Dr. Vriti M. Advani		
21	Cantimbuhan, Jeight Angelo Martin	BS CoE
Denso Ten Donor: Denso Ten Solutions Philippines		
22	Santos, Ryan Christopher	BS ME
Edwin Coseteng Donor: Regina CoSeteng		
23	San Juan, Reila Mae	BS ME
Eriberta Rocha Granada Donor: Antone Granada		
24	Ibia, Jose Manuel	BS ChE
Filminera Resources Corporation		
25	Albino, Joshua L.	BS EM
26	Bangud, Hannah Sofia	BS EM
27	Costales, Jemaimah Ruvie	BS EM
28	Lazares, Sharie Lyne	BS EM
29	Nuñez, Vherwyn	BS EM
GT Foundation, Inc.		
30	Abacahan, Glenn Mark	BS GE
31	Andree John Mendova	BS EE
32	Daulo, Hans Gabriel	BS EcE
33	Dolon, Gian Carlo	BS CoE
34	Gabuat, Princess Meryll Joy	BS IE
35	Gala, Ma. Julie Anne	BS EE
36	Gentiles, Demi Julianna	BS GE
37	Jamisola, Raia	BS GE

38	Mendova, Andree John	BS EE
39	Ong, Rainer Christian	BS CS
40	Orbina, Kyla	BS GE
41	Pagtulingan, Freddie Jr.	BS CoE
42	Reblora, Eliz Anne Marie	BS MatE
43	Tanchico, Thomy Andrei Miguel	BS CE
44	Villarias, Jenny Rose	BS GE
Huawei Technologies Philippines, Inc..		
45	Espinosa, Han	BS ECE
46	Wong, Jansen Roel	BS CoE
JCVA Donor: JCV & Associates Project Development and Management, Inc.		
47	Alincomot, John Paul	BS CE
48	De Leon, Christelle Mae	BS CE
49	Rollan, King AJ Ian Caesar	BS CE
Jose and Fae Albano		
50	Cabrestante, Allyson	BS ME
51	Roque, Trisha Mae	BS ME
Megaworld Corporation		
52	Agpoon, Mike Ferdinand	BS CE
53	Baldivicio, Lovely Joyce	BS CE
54	Cardona, Jake Ceasar	BS CE
55	Dalogdog, Marvi Leu	BS CE
56	De Leon, Allysa	BS CE
57	Flores, Charlene	BS CoE
58	Guico, Pierce Jerico	BS CE
59	Junsay, Reycy	BS CE
60	Lagaña, Jan Rhey	BS EE
61	Laquip, Sophia Margot	BS CE
62	Larga, Lester Adrian	BS ECE
63	Marcuap, Cherry Red	BS CE
64	Melanio, Sean Riley	BS CE

65	Oria, Cedric Allen	BS EE
66	Panlilio, Aerren Azhlei	BS CE
67	Pantaleon, Mariz Joyce	BS CE
68	Santos, Ira Nicole	BS CE
69	Viña, Toney Juan	BS ECE
Metro Pacific Tollways Corporation		
70	Ariate, Arnel Mari	BS ECE
71	Isaac, Juan Paolo	BS EcE
72	Macalino, Mark Jester	BS MatE
73	Perera, Kushmi Himasha	BS CE
74	Samantha, Carag	BS CE
75	Sursigis II, Zihandres	BS ECE
76	Tabanera, Ryan	BS MatE
77	Verano, Christyl Jude	BS GE
MPowHer: Meralco Scholarship Program for Women Engineers Donor: One Meralco Foundation		
78	Cortez, Deceryl	BS EE
79	Magbanua, Lynille	BS EE
80	Miguel, Crizhalyng Weng	BS EE
81	Sotto, Angela Kaye	BS EE
82	Valenzuela, Jana Reven	BS EE
PayEngg Forward Donor: Michael V. Gonzalez		
83	Martin, Jonel James	BS CE
84	Santiago, Adalard Bryle	BS CE
85	Santos, Princess Keith	BS CE
86	Trinidad, Akira	BS CE
PGATECH		
87	Ripalda, James	BS CE
Philippine Gold Processing and Refining Corporation		
88	Garcia, Justine Paul Ridgeley	BS EM
89	Guilao, Charlyne	BS MetE
PHILSAGA Mining Corporation		

90	Bernardo, Ma. Dhea Angeline	BS EM
91	Quintero, John Paul	BS MetE
92	Reyes, Joanna	BS MetE
93	Tabirao, Ma. Sharisse	BS MetE
94	Tolentino, Meljohn	BS EM
Prof. Emmanuel Manlapig		
95	Cristobal, Kenneth	BS MetE
96	David, Russel	BS MetE
Robert Cheng (URATEX) Donor: Multiflex RNC Philippines Corporation (URATEX)		
97	Angeles, Paul Dominic	BS ChE
98	Antido, Margie Lou	BS CE
99	Aycardo, Lourdy	BS IE
100	Biacora, Jimuel	BS MetE
101	Crucis, Maria Janela	BS EM
102	Ramos, Keirvin Cloi	BS MetE
103	Romey, Henni Mae	BS IE
The Felicio Family Study Grant Donor: The Felicio Family		
104	Deirdre Andreus Sarmiento	BS CE
UP Alumni in Minnesota		
105	Bismonte, Catherine Joanne	BS GE
106	de Leon, Juan Carlos	BS ME
107	Heruela, Mary Nyn	BS MatE
UPAA British Columbia		
108	Conquilla, Jerico	BS GE
109	Fiesta, Honey Vhal	BS EE
110	Flores, Charlene	BS CoE
111	Kusain, Abdullah Galmak	BS GE
112	Marco, Josyl	BS GE
113	Santos, Mikaela	BS GE
William Cua Study Grant Donor: Jennifer Lynn Cua		
114	Gador, John Edrick	BS CoE

115 Moneda, Blooming Dan BS CS

**Yin Yong Lao
Donor: Edwin Lao**

116 Quintano, Charlie BS ChE

**UPIEAA AchIEvers Program
Donor: UP Industrial Engineering Alumni Association**

117 Allata, Shane Jhemiles BS IE

118 Atuan, Jan Jubal BS IE

119 Borinaga, Cherrie Angel BS IE

120 Cangas, Sabino BS IE

121 Dalusong, Angelo Antonio BS IE

122 David, Arjie BS IE

123 Domingo, Bhlesie Jane BS IE

124 Luengas, Airis Claire BS IE

125 Posadas, Prince Ericson BS IE

126 Prado, Yennessey Marie BS IE

127 Ramos, Louis Jeinard BS IE

**UP Alumni Engineers Study-Now-Pay-Later
Donor: UP Alumni Engineers**

128 Abanes, Racquel G. BS ABE

129 Acheron, Rhona Mae M. BS ME

130 Agamao, Benedick G. BS GE

131 Atuan, Jan Jubal C. BS IE

132 Baillo, John Ryll C. BS GE

133 Balboa, Den Harvey A. BS MatE

134 Belga, Cheryl Jahara M. BS CE

135 Borlaza, Alea Fate E. BS ABE

136 Buenconcejo, Stephen P. BS ME

137 Carranza, Iza Angelica S. BS CE

138 Cartabio, Clark Louwell T. BS MetE

139 Catenza, Kent Vincent Q. BS ME

140 Celedonio, Kim Cyril T. BS EM

141 Co, Jan Abigail T. BS GE

142 Cruz, Leonardo A. BS EE

143	De La Cruz, Micko Carlo Nicolas G.	BS MetE
144	Dela Cueva, Rhonell R.	BS GE
145	Descarga, Trisha Alyanna	BS EE
146	Evangelista, Adrian Nikolai	BS ME
147	Evangelista, Matthew Denver A.	BS CE
148	Fernandez, Jefferson F.	BS CE
149	Fortes, Maria Fe	BS GE
150	Herrera, Cale Andriane B.	BS GE
151	Joaquin, Raven Dessery S.	BS ChE
152	Jocson, Kathleen G.	BS CS
153	Lacang, Famela Rose L.	BS ChE
154	Llaguno, Kevin Clude L.	BS ABE
155	Lorenzo, Maria Greciel Margareth C.	BS ChE
156	Macaranas, John Rick L.	BS CE
157	Maclang, John Dave C.	BS GE
158	Madera, John Keith B.	BS GE
159	Mangin, Lee Ara Dinna S.	BS CE
160	Marco, Josyl P.	BS GE
161	Masangkay, Angelica Mae B.	BS CE
162	Mendoza, Janine A.	BS GE
163	Mojica, Calvin Shane V.	BS CoE
164	Niegas, Nhel Harold T.	BS CE
165	Ortega, Rose Anne Angela, R.	BS EE
166	Ortiz, Patricia Mae O.	BS GE
167	Ortiz, Thomas Anthony C.	BS EE
168	Pasamonte, Martin P.	BS CE
169	Plata, Mark Jefferson E.	BS MetE
170	Quemada, Zildjian Charles Alexandre A.	BS ME
171	Quintano, Charlie L.	BS ChE
172	Reyes, Jason Luis N.	BS CE
173	Rico, Yuan Cie-j B.	BS EE
174	Roque, Mark Anthony V.	BS CE

175	Santiago, Aine Gabrielle F.	BS CoE
176	Santiago, Aliyah Faye O.	BS CE
177	Talagon, Terence R.	BS ME
178	Tan, Samantha Alleah B.	BS CE
179	Tangub, Kimberly Lae-Ann M.	BS IE
180	Triste, Castor Troy C.	BS CE
181	Tuangco, Amos Nathan B.	BS ChE
182	Valerio, John Leo P.	BS EE
183	Vallo, Bercy Braine	BS ME
184	Vedasto, Gorge Lichaël Vann N.	BS CS
185	Ventosa, Emmanuel John D.	BS EE
186	Viernes, Marc Peejay V.	BS CS
187	Yangco, Nimuel O.	BS ChE
188	Yap, Alyssa Anne Leigh S.	BS CE

Administered by Donors

	Student	Degree Program
	Analog Devices, Inc.	
1	Alegre, Raine Kayla	BS ECE
2	Bartolo, Brian Lenmark	BS CoE
3	Bernante, Aaron John	BS ECE
4	Camarillo Jr., Christopher	BS ECE
5	Co, Jericho Kent	BS ECE
6	Flores, Jermae Gone	BS ECE
7	Gallego, Champ Bern	BS CoE
8	Limlingan, Gabriel	BS ECE
9	Marturillas, John Rey	BS ECE
10	Molines, Jeremy	BS ECE
11	Monderin, Don Jeric	BS CoE
12	Munar, Mark Kevin	BS ECE
13	Obar, Trixi Emmanuelle	BS ECE
14	Rajagopalan, Ramona	BS ECE

15	Rodriguez, Jacey Jed Malaca	BS ECE
16	Santiago, Francesca Jean	BS CoE
17	Tutor, Mark Louis	BS ECE
18	De Mesa, Mico Irvin	BS ECE
Orica Philippines		
19	Alarcon, John Warren	BS EM
20	Bautista, Ivy	BS EM
21	Bautista, Josh Adrian	BS EM
22	Galang, Winchu	BS EM
23	Mendez, Lyan Cheasrel	BS EM
24	Orense, catherine Nadine	BS EM
25	Penido, Ericka	BS EM

PHINMA Foundation		
26	Balao, Jayverson	BS ECE
27	Capili, Ma. Sherine	BS ME
28	Danque, Johan Samuel	BS CE
29	Masiglat, Marianne Ricaela	BS CE
30	Olleta, Abigail Easter	BS CE
31	Politico, Precious Jelyn	BS ECE
32	Santiago, Angelo Gabriel	BS ECE
33	Trinidad, Margarita Jaice	BS ECE
34	Vicente, Gwyneth Christamae	BS IE

Annex 5: List of Thesis Support Grants (AY 2023-2024)

Student	Degree Program
Amanda E. Banno and Paz C. Santiago Donor: Josephine Santiago-Bond	
1	Esparagoza, Andreu James
2	Dasigan, Joyce Anne
3	Precilla, Aimee
4	Saman, Martina Lois
5	Santos, Ira Nicole
Beta Epsilon 1979 Donor: Ramon Castillo; Angelito Bermudo; Francisco Legaspi; Richard Yang; Jim Angeles	
6	Jallorina, Aldgenne Monica
Cesar G. Romero	
7	Alcaide, Nicolai
8	Cajegas, Benjamin III
9	Carlos, Lance Jeremy
10	Dones, Timothy Allen

Dr. Leopoldo V. Abis Donor: Jose L. Albano		
11	Aliño, Moises Sean	BS CE
12	Faderogao, Lovely Ann	BS CoE
13	Gador, John Edrick	BS EcE
14	Serrano, Art Joyce	BS GE
Enrique Laguinia Donor: Elena Laguinia		
15	Pampang, Gavril Aiman	BS ChE
16	Espinosa, Rence Carlo	BS CoE
17	Lumague, Jamilla Kim	BS MatE
18	Perez, Timothy Marc	BS CoE
Filminera Resources Corporation		
19	Costales, Jemaimah Ruvie	BS EM
Francis C. Felizardo		
20	Bacud, Angel Sophia	BS CE

21	Fulo, Glenn Mark	BS CE
22	Orio, Julian Enrico	BS CE
23	Ripalda, James	BS CE
24	Solanoy, Mark Kenneth	BS CE
Hector V. Rivera III		
25	Cepillo, Trisha Angeli	BS ChE
J. Amado Araneta Foundation, Inc.		
26	Biacora, Jimuel	BS MetE
27	Dado, Lorize Lorielle	BS MetE
28	Garcia, Angel Francesca	BS MetE
29	Oliva, Luke Bernard III	BS MetE
30	Romero, Christian Ray	BS MetE
31	Cayanan, Kyle Matthew	BS EcE
32	Del Rosario, Victor Agapito	BS CE
33	Fiesta, Honey Vhal	BS CoE
34	Lobres, Jovil Vashni	BS GE
35	Rentoria, Germaine Armielle	BS CE
James Dyson Foundation		
36	Arcos, Jose Angelo	BS MatE
37	Aurellano, Mae Ann	BS MatE
38	Natividad, Edgie	BS MatE
39	Benavidez, Anne Raever	BS MatE
40	Heruela, Mary Nyn	BS MatE
Jerome H. Cainglet		
41	Carag, Stephanie Joy	BS CE
42	Jimenez, James Martin	BS MatE
43	Kallos, Ramsley John	BS MatE
44	Nazaire, Cedrick	BS MatE
45	Roque, Lance Emmanuelle	BS MatE
46	Teodosio, Chelsea Jane	BS MatE
47	Litam, Timothy Marc	BS EE
48	Salonga, Don Nicolai	BS CoE

49	Velasco, Jaira Corrine	BS EcE
JG Summit Petrochemicals		
50	Arreola, Aaron David	BS CE
51	Boongaling, Clarizza Mae	BS CE
52	Buendia, Gracielle	BS CE
53	Laurequez, Faustine	BS MatE
54	Villanueva, Lanz Gius	BS MatE
Leocadio and Jocelyn M. Ostrea Donor: Patrick M. Ostrea		
55	Bejar, Hazel	BS MetE
56	Belega, Xyrylle Angelie	BS MatE
57	Nono, Kent Arnold	BS MetE
58	Plata, Mark Jefferson	BS MetE
Luisa Yao Que-Sanchez Donor: Jennifer Lynn Cua		
59	Angeles, Ira John Marie	BS CoE
60	Aquino, Alzter	BS CoE
61	Brito, Jonathan	BS CoE
62	Oliveros, Daryl	BS EE
63	Paguel, Francisco	BS EE
64	Porazo, Mark Wenefred	BS CoE
65	Salinas, Ella Victoria	BS CoE
Manuel R. Bulaong, Jr.		
66	Esguerra, Jeannedal Sheane	BS CE
67	Fabro, Edriane Mae	BS CE
68	Fernandez, Jefferson	BS CE
69	Gregorio, John Kenneth	BS CE
70	Naypes, Janna	BS CE
71	Pablo, Mary Margareth Celline	BS CE
72	Reyes, Jefferson Emmanuel	BS CE
73	Santos, Jethro Mae	BS CE
74	Tindoc, Dea Dominique	BS CE
75	Velasco, Jet	BS CE

Olegario G. Villoria, Jr.		
76	Feliciano, Joemar	BS MatE
77	Songco, Jian Carlo	BS MatE
Patrick Vincent C. Peña		
78	Bardaje, Verwin	BS MatE
79	Jardinell, Palm Carmelo	BS MatE
PHILSAGA Mining Corporation		
80	Reyes, Joanna	BS MetE
Prof. Emmanuel Manlapig		
81	David, Russel	BS MetE
Prof. Miguel B. Escoto Donor: Jose L. Albano		
82	Alcantara, Ross Marianne	BS CE
83	Santos, Ma. Angelica	BS CE
Ricardo Rodriguez		
84	Doringo, Hans Edrick	BS MatE
Rowena Torres-Ordoñez		
85	Pasamonte, Martin	BS CE
Sherwin O		
86	Abella, Alec Venzo	BS ME
87	Almonteros, Joseph	BS CE
88	Anteza, Aika Romae	BS CE
89	Calma, Christianne	BS MatE
90	Campomanes, Domonic Humphrey	BS CE
91	Martija, Josh Andrew	BS CE
92	Oliveros, Ma. Sofia Andrea	BS CE
93	Pantaleon, Mariz Joyce	BS CE
94	Razon, Angelica May	BS GE
95	Talagon, Terence	BS ME
UP Alumni Association of Greater Los Angeles Area (UPAAGLA)		
96	Bismonte, Catherine Joanne	BS GE
97	Brusola, Marie Rowenna	BS GE
98	Buela, Trisha Mae	BS CE

99	Lozano, Pamela Jane	BS GE
100	Naquimen, Erica	BS CE
101	Orense, Catherine Nadine	BS EM
102	Pollicar, Ron Gabriel	BS GE
103	Raymundo, Jade Christiane	BS CE
104	Torres, Monwilhelm	BS ME
UPERDFI TSG Fund Donor: Jerome H. Cainglet; Francis C. Felizardo; Rosario Calderon		
105	Alba, Mheriel Ann	BS ME
106	Dalogdog, Marvi Leu	BS CE
107	Sace, Johann Sebastian	BS ME

ME Capstone Projects

	Student	Degree Program
Beta Epsilon 1979 Donor: Ramon Castillo; Angelito Bermudo; Francisco Legaspi; Richard Yang; Jim Angeles		
1	Acol, Erza	BS ME
2	Ang, Lanz Matthew Joaquin	BS ME
3	Asuncion, John Kenneth	BS ME
4	Catipay, Xavier Michael	BS ME
5	Dones, Timothy Allen	BS ME
6	Francisco, Abi Adino	BS ME
7	Gadia, Thomas James	BS ME
8	Gomez, Miguel Angelo	BS ME
9	Inzon, Mario Lorenzo	BS ME
Amante and Cecille Aguilar		
10	Lamparas, Claude Andrew	BS ME
11	Martinez, Siegfred Daniel	BS ME
12	Nabong, Miguel Carlos	BS ME
13	Nicolas, Kate Ashley	BS ME
Cesar G. Romero		
14	Pangilinan, Neil Adrian	BS ME
15	Pardales, Kurt ussell	BS ME

UP Alumni Association of Greater Los Angeles Area (UPAAGLA)		
16	Pasabara, John Michael	BS ME
17	Remolin, Joshua Andrei	BS ME
Michael and Christine Pardiñas		
18	Somido, Alyssa	BS ME
19	Tadina, Kristia Samantha	BS ME

Fernand Antonio O. Tansingco		
20	Uy, Edric Winfred	BS ME
21	Villarin, Heinrich Allan	BS ME

Annex 6: Faculty, Staff and Student Awards (AY 2022-2023)

Student Awards

Administered by UPERDFI		
	Award	Awardee
1	Dominador Ilio Award for Most Outstanding All-Around Engineering Student Donor: Beta Epsilon Alumni	Kent Patrick Renz Princesa, mcl
2	Professor Teodorico Festin Award for Excellence in Chemical Engineering Donor: Rowena Torres-Ordoñez	Jose Gabriel Escorial, ChE, scl
3	Professor Emeritus Evangel Quiwa Award for Excellence in Computer Science Donor: Mary Rose de la Cruz	Kristine Bernadette Q. Nuñez, CS, scl
4	Dr. Luis Pascual Award for Excellence in Industrial Engineering Donor: Jaime and Elise del Rosario	Mark Jay O. Sedan, IE, scl
5	Vicente T. Paterno Award for Excellence in Mechanical Engineering Donor: Paterno Jislan Corporation	Caelan Joseph C. Consing, ME, scl
6	Joseph Que Sanchez Academic Excellence Award in Computer Engineering Donor: Jennifer Lynn Cua	David Angelo G. Piscasio, CoE, mcl
7	Rosita Cua Academic Excellence Award for Best Female in Computer Engineering Donor: Jennifer Lynn Cua	Patricia Bettina P. Dela Cruz, CoE, mcl
8	Jose C. Torres Award for Excellence in Electrical Engineering Donor: Rowena Torres-Ordoñez	Sean Marcus S. So, EE, scl
9	Quintin K. Calderon Award for Excellence in Civil Engineering Donor: Rosario S. Calderon	Maria Erica P. Gomez, CE, scl
10	Vicente Tek Hedriana Award for All-Around Mechanical Engineering Student Donor: Rogelio Murga	Mathieu Raphael T. Alonzo, ME, scl

Administered by Donors		
	Award	Awardee
1	Ramon Khu Award for the Class Valedictorian	
2	Garrick Yao Memorial Award for Service	Jessica Z. Lazam, mcl
3	UP Alumni Engineers Presidential Award for Outstanding Leadership	Cheeny R. Velasco, cl
4	Dr. Rufino C. Lirag Chemical Engineering Award for Leadership and Service	Jonas Angelo L. Abadilla, cl
5	Professor Emeritus Norberto Villa Award for Excellence in Geodetic Engineering	Christian Dave C. Zablan, GE, scl
6	Institute of Materials Engineers of the Philippines Academic Excellence Award in Materials Engineering	Dionella Jitka B. Quinagoran, MatE, scl
7	Society of Metallurgical Engineers of the Philippines Academic Excellence Award in Metallurgical Engineering	Sarah Marcelin M. Evasco, MetE, cl
8	Artemio F. Disini Academic Excellence Award in Mining Engineering	Zyre Jasper L. Abraham, EM, mcl
9	UPEEE Alumni Assoc. Award for Academic Excellence in Electronics Engineering	Paolo Miguel F. Villacorta, EcE, scl

Institute of Civil Engineering Student Awards

Administered by UPERDFI		
	Award	Awardee
1	Structural Engineering - Godofredo and Alfonza Award Donor: Dr. Gerald Iglesia	Shekinah Joy B. Cruz and Randel E. Ilumin
2	Geotechnical Engineering - Dr. Salvador Reyes Award Donor: Brian Tan Engineering Consultancy	John Bien Angelo R. Uy
3	Coastal Engineering and Water Resources - J V Angeles Award Donor: J V Angeles Construction	Athena Jane A. Napolis
4	Environmental Engineering - Ferdinand de la Cruz Award Donor: Ferdinand de la Cruz	Janina Phoemela T. Uygongco and Angela Gabrielle C. Gregorio
5	Construction Engineering - M E Sicat Construction Award Donor: M E Sicat Construction	Dennis Gabriel F. Velasco Jr.
6	Transportation Engineering - SMC TPLEX Award Donor: SMC Infrastructure	Mark Ryan L. Navarro

Staff Awards (Parangal para sa mga Kawani ng Kolehiyo)

	Award	Awardee
1	Loyalty Award - 45 years	Rolando Calso
2	Loyalty Award - 45 years	Hilario Valencia
3	Loyalty Award - 30 years	Sukarno Ali
4	Loyalty Award - 25 years	Nonelon Donaire
5	Loyalty Award - 25 years	Nestor Pasco
6	Loyalty Award - 20 years	Veronica Centeno
7	Loyalty Award - 15 years	Glenda Mayordo
8	Loyalty Award - 15 years	Ma. Cecilia T. Ramos
9	Maagap Award	Marissa L. Tibayan
10	Congeniality Award	Krystalle Rome M. Peralta-Zacarias

Annex 7A: Dr. Francis Chua Innovation Awards - Undergraduate Project Competition 2023

Award	Project	Winners
Design Category		
1st Place – P50,000*	Load-bearing Prefabricated Ferrocement Panels with Expanded Perlite and Silica Fume	Espina, Marian Chloe Santos, Mary Joyce
1st Place – P50,000*	Establishment of Tissue-Mimicking Gel Materials for Ultrasound-Guided Procedures	Quinagoran, Dionella Jitka
Finalist – P10,000	Power Production from Polyethylene Pyrolysis and Gasification with Reduced Carbon Emissions via the Allam Cycle	Gonzales, Clara Mae Dizon, Erin Faye Tabarangao, Reynalyn
Finalist – P10,000	Real-Time Water Level Monitoring Using Low-Cost GNSS Receiver	Dizon, Raphaela Danica Penales, Joedel
Finalist – P10,000	Developing a Browser Extension for the Automated Detection of Deceptive Patterns in Cookie Banners	Adorna, Juris Hannah Dantis, Aurel Jared

*The Panel of Judges decided that there was a tie for the First Place

Award	Project	Winners
Research Category		
1st Place – P50,000	Ionic Liquid Plating of Zinc-coated Magnesium Substrate for Bioresorbable Orthopedic Implants	Duldulao, Karl Efraim
2nd Place – P30,000	Ground Deformation Monitoring of Reclaimed Lands along Manila Bay using PS-InSAR Technique	Leal, Genesis Anne Lomibao, Aubrey Lalaine
Finalist – P10,000	Development of a Storm Surge and Severe Wind Empirical Damage Assessment Framework for Generating Structural Vulnerability Curves for Residential Buildings	Gomez, Maria Erica
Finalist – P10,000	Integrating Time Series Analysis of Satellite-Derived Vegetation Indices and Climatological Factors for Agricultural Drought Forecasting and Monitoring in Mainland Cagayan	Consing, Caelan Joseph Piamonte, Raymond Mathew
Finalist – P10,000	Toward Spatial and Social Equality: Investigating and Modelling the Link between Opportunity and Urban Intensity in Metro Manila, Philippines	Tabernilla, Joshua Ensina, Mariya Almira

Annex 7B: James Dyson Foundation Bursaries for Top Prototypes (AY 2023-2024)

Award	Project	Winners
1st Place – P50,000	Lev-ease Locally Manufactured Wheelchair Lever Drive System (LDS)	Sace, Johann Sebastian
2nd Place – P30,000	Wheelchair Motor Assist	Remolin, Joshua Andrei
Finalist – P10,000	Anti-Contracture Finger Fixator	De Guzman, Reignart Gabriel
Finalist – P10,000	Adaptive Ankle Board	De Leon, Juan Carlos
Finalist – P10,000	Multi-Method Parcel Receiver	Laporteza, Darren
Finalist – P10,000	Gyro Spoon	Nicolas, Kate Ashley
Finalist – P10,000	Configurable Crutches	Somido, Alyssa
Finalist – P10,000	Munch On - Wet Pet Food Dispenser	Tadina, Kristia Samantha

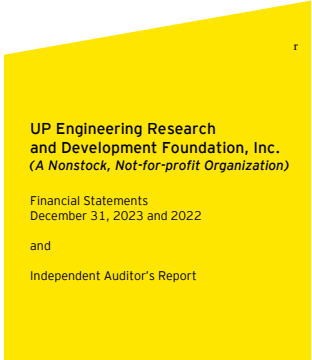
Annex 8: UPCOE Modernization Projects in 2023

	Project Title	Donor	Project Leader	Unit	Status (as of 12/31/23)
1	UP College of Engineering Computing Facility	Friends of UP Foundation in America (FUPFA) UP Foundation, Inc. Denis and Martha Carpio Victor N. Villagracia Augusto Lagman Manuel V. Pangilinan Alex Sy Sun Eng / Alexan / SLC Realty Daniel B. Reyes	DCCD Engineering Corporation Jose L. Albano Genaro Mempin Al David Herbert Li Agnes Marquez Whiten Salvador F. Reyes Seaoil Philippines Polly Cortez Vernon Alfonso III R. Aliga Wilfredo S. Mejia	Gerald Jo Denoga Roel Ocampo	UPCOE Completed
2	Institute of Civil Engineering Student Lounge	Mundo Builders, Inc. JCVA Kolor Furniture	Luz Consuelo-David Rosario S. Calderon	Jaime Angelo S. Victor	ICE Completed
3	Upgrading of Instructional Laboratory Facilities and Development of a Smart i-Lab	Dr. Magdalena B. Albarracin, Jr.		Lew Andrew R. Tria	EEEE Ongoing
4	Updating of Electric Machines Laboratory	Fluor Daniel, Inc. - Philippines		Lew Andrew R. Tria	EEEE Ongoing

Annex 9:

List of R&D Projects and Grants in 2023

	Donor	Project Title	Project Leader	Status (as of 12/31/23)
1	The Murata Science Foundation Research Grants	Modeling the Effects of the Active Layer Fabrication Process Variations on the Electromechanical Properties of PZT-based MEMS Piezoelectric Energy Harvesters	Rafael M. Pangilinan	Completed
2	The Murata Science Foundation Research Grants	Hydrochloric Acid Leaching of Scandium from Lateritic Blast Furnace Slag	Geleni Shalaine P. Bello	Completed
3	The Murata Science Foundation Research Grants	Intensity Modulation – Direct Detection Radio over Fiber System Characterization for Link Linearization and Channel Equalization	Bernalyn A. Decena	Completed
4	The Murata Science Foundation Research Grants	Recycling of Phosphorus from Wastewater Using Water Hyacinth by Adsorption and Mineralization	Mary Donnabelle Balela	Completed
5	The Murata Science Foundation Research Grants	Polymeric Piezoelectric Device: Optimization for Sensitivity and Manufacturability	Candy C. Mercado	Completed
6	UPERDFI Prototyping Grant	FilAAC: The Filipino Focused AAC app	Alfred Abanto	Completed
7	UPERDFI Prototyping Grant	Sign Language Detection and Captioning for Video Conferencing using Machine Learning	John Gabriel Porton	Completed
8	Craft Research Technologies, Inc. Collaborative Research Grant	STEALTH (Semi-Transparent Enhanced Alternative Lightweight Technology Harvester PV (Photovoltaic) Cell Prototype	Magdaleno Vasquez, Jr.	Ongoing
9	The Murata Science Foundation Research Grants	Characterization of Plastic Accumulation in an Urban River in the Philippines Across Land Uses	Ma. Brida Lea D. Diola	Ongoing
10	The Murata Science Foundation Research Grants	Mechanical Behavior, Toxicity Characteristics, Leaching Potential of Cement-Stabilized Mine Tailings	Jessica M. Junio	Ongoing
11	The Murata Science Foundation Research Grants	Radiation-induced Graft Polymerization of Pineapple Nonwoven Fabric (PNWF)	Eduardo R. Magdaluyo Jr.	Ongoing
12	The Murata Science Foundation Research Grants	Leaching of Gold-bearing Tailings using Deep Eutectic Solvents	Joanna Mae L. Mijares	Ongoing
13	The Murata Science Foundation Research Grants	Sulfide Oxidation and Gold Dissolution of a Refractory Gold-Molybdenum Concentrate Using Hypochlorite Solution	John Rossmon M. Resuello	Ongoing
14	The Murata Science Foundation Research Grants	Selective Removal of Arsenic from Copper Concentrate via Alkaline Leaching	Terrence Louis A. Rosal	Ongoing
15	Universal Robina Corporation Graduate Research Grants	Universal Robina Corporation Grant	Paolo B. David	Ongoing
16	Universal Robina Corporation Graduate Research Grants	Universal Robina Corporation Grant	Jasper M. Castillo	Ongoing
17	UPERDFI Prototyping Grant	Formulation of long-persistent and retroreflective luminescent pavement marking paint using Lanthanide-doped Strontium aluminate base and glass beads	Allain Andrew Sapin	Ongoing
18	UPERDFI Prototyping Grant	KoolGear (UPSCALE)	Ivan Brent F. Nara	Ongoing



INDEPENDENT AUDITOR'S REPORT

The Board of Trustees
UP Engineering Research and Development Foundation, Inc.

Report on the Audit of the Financial Statements

Opinion

We have audited the financial statements of UP Engineering Research and Development Foundation, Inc. (the Foundation), which comprise the statements of assets, liabilities and fund balances as at December 31, 2023 and 2022, statements of revenues and expenses, statements of changes in fund balances and statements of cash flows for the years then ended, and notes to the financial statements, including a summary of significant accounting policies.

In our opinion, the accompanying financial statements present fairly, in all material respects, the financial position of the Foundation as at December 31, 2023 and 2022, and its financial performance and its cash flows for the years then ended in accordance with Philippine Financial Reporting Standards for Small and Medium-sized Entities (PFRS for SMEs).

Basis for Opinion

We conducted our audits in accordance with Philippine Standards on Auditing (PSAs). Our responsibilities under those standards are further described in the *Auditor's Responsibilities for the Audit of the Financial Statements* section of our report. We are independent of the Foundation in accordance with the Code of Ethics for Professional Accountants in the Philippines (Code of Ethics) together with the ethical requirements that are relevant to our audit of the financial statements in the Philippines, and we have fulfilled our other ethical responsibilities in accordance with these requirements and the Code of Ethics. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Responsibilities of Management and Those Charged with Governance for the Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with PFRS for SMEs, and for such internal control as management determines is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, management is responsible for assessing the Foundation's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless management either intends to liquidate the Foundation or to cease operations, or has no realistic alternative but to do so.

Those charged with governance are responsible for overseeing the Foundation's financial reporting process.



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Auditor's Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with PSAs will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of the financial statements.

As part of an audit in accordance with PSAs, we exercise professional judgment and maintain professional skepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Foundation's internal control.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by management.
- Conclude on the appropriateness of management's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the Foundation's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related disclosures in the financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditor's report. However, future events or conditions may cause the Foundation to cease to continue as a going concern.
- Evaluate the overall presentation, structure and content of the financial statements, including the disclosures, and whether the financial statements represent the underlying transactions and events in a manner that achieves fair presentation.

We communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.



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Report on the Supplementary Information Required Under Revenue Regulations No. 34-2020 and No. 15-2010

Our audits were conducted for the purpose of forming an opinion on the basic financial statements taken as a whole. The supplementary information required under Revenue Regulations No. 34-2020 and No. 15-2010 in Note 10 to the financial statements is presented for purposes of filing with the Bureau of Internal Revenue and is not a required part of the basic financial statements. Such information is the responsibility of the management of UP Engineering Research and Development Foundation, Inc. The information has been subjected to the auditing procedures applied in our audit of the basic financial statements. In our opinion, the information is fairly stated, in all material respects, in relation to the basic financial statements taken as a whole.

SYCIP GORRES VELAYO & CO.

Kristopher S. Catalan
Kristopher S. Catalan
Partner

CPA Certificate No. 109712
Tax Identification No. 233-299-245
BOA/PRC Reg. No. 0001, April 16, 2024, valid until August 23, 2026
BIR Accreditation No. 08-001998-109-2023, October 26, 2023, valid until October 25, 2026
PTR No. 10079916, January 5, 2024, Makati City

June 14, 2024



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UP ENGINEERING RESEARCH AND DEVELOPMENT FOUNDATION, INC.
(A Nonstock, Not-for-profit Organization)
STATEMENTS OF ASSETS, LIABILITIES AND FUND BALANCES

	December 31	
	2023	2022
ASSETS		
Current Assets		
Cash and cash equivalents (Note 4)	P27,523,309	P36,611,547
Receivables (Note 5)	5,603,996	4,597,888
Other current assets	248,737	248,737
Total Current Assets	33,376,042	41,458,172
Noncurrent Assets		
Investments (Note 6)	295,320,590	279,109,209
Property and equipment (Note 7)	75,854	14,248
Total Noncurrent Assets	295,396,444	279,123,457
TOTAL ASSETS	P328,772,486	P320,581,629
LIABILITIES AND FUND BALANCES		
Current Liabilities		
Accounts payable and other current liabilities (Note 8)	P1,608,551	P264,985
Fund Balances (Note 9)		
General funds	46,179,938	50,014,521
Endowed funds	218,821,192	255,744,975
Special funds	62,162,805	14,557,148
Total Fund Balances	327,163,935	320,316,644
TOTAL LIABILITIES AND FUND BALANCES	P328,772,486	P320,581,629

See accompanying Notes to Financial Statements



UP ENGINEERING RESEARCH AND DEVELOPMENT FOUNDATION, INC.
(A Nonstock, Not-for-profit Organization)
STATEMENTS OF REVENUE AND EXPENSES
YEARS ENDED DECEMBER 31, 2023 AND 2022

	2023				2022			
	General Funds	Endowed Funds	Special Funds	Total	General Funds	Endowed Funds	Special Funds	Total
REVENUE								
Donations	P463,454	P1,690,000	P83,780,487	P85,933,941	P1,750,768	P3,850,907	P37,925,402	P43,527,077
EXPENSES								
Programs								
College of Engineering (COE) - modernization cost	-	-	39,849,908	39,849,908	-	-	21,748,159	21,748,159
Professorial chairs	-	7,960,000	7,764,541	15,724,541	-	8,040,000	7,620,000	15,660,000
Scholarship grants and student awards	-	998,303	14,071,002	15,069,305	-	3,192,000	5,320,083	8,512,083
Teaching and research grants	-	1,410,000	630,000	2,040,000	-	1,170,000	420,000	1,590,000
COE support	-	-	886,316	886,316	1,312	258,367	189,223	448,902
Research and development	-	-	308,274	308,274	-	-	-	-
COE staff support	-	-	50,000	50,000	-	135,000	-	135,000
Publication (Philippine Engineering Journal)	-	43,167	-	43,167	-	-	-	-
Faculty support	-	-	-	-	-	300,000	-	300,000
Projects								
Project costs	-	-	1,129,602	1,129,602	-	-	4,870,591	4,870,591
Administration								
Salaries and benefits	1,619,186	-	-	1,619,186	1,336,733	-	-	1,336,733
Maintenance and operating	855,921	-	-	855,921	-	6,200	49,000	55,200
Depreciation (Note 7)	7,704	-	-	7,704	10,272	-	-	10,272
Others								
Bad debts (Note 5)	P4,456,673	P-	P-	P4,456,673	P5,004,368	P-	P-	P5,004,368
Miscellaneous	706,347	-	-	706,347	639,922	5,000	2,120,073	2,764,995
	7,645,831	10,411,470	64,689,643	82,746,944	6,992,607	13,106,567	42,337,129	62,436,303
OTHER INCOME (LOSS)								
Interest income (Notes 4 and 6)	12,847,633	-	312,500	13,160,133	5,656,336	-	-	5,656,336
Unrealized gain (loss) on investments	6,780,755	-	-	6,780,755	-	-	-	-
Realized gain (loss) on fund value	2,415,333	-	-	2,415,333	-	-	-	-
Gain (loss) from sale of investment (Note 6)	(1,658,417)	-	-	(1,658,417)	-	-	-	-
Dividend income (Note 6)	1,183,834	-	-	1,183,834	723,567	-	-	723,567
Foreign exchange gain - net	(737,523)	-	-	(737,523)	683,815	-	-	683,815
Miscellaneous	238,817	-	-	238,817	1,842,939	-	-	1,842,939
	21,070,432	-	312,500	21,382,932	8,906,657	-	-	8,906,657
EXCESS (DEFICIENCY) OF REVENUE OVER EXPENSES BEFORE FINAL TAX	13,888,055	(8,721,470)	19,403,344	24,569,929	3,664,818	(9,255,660)	(4,411,727)	(10,002,569)
PROVISION FOR INCOME TAX - Final	1,411,196	-	-	1,411,196	(377,103)	-	-	(377,103)
EXCESS (DEFICIENCY) OF REVENUE OVER EXPENSES	12,476,859	(8,721,470)	19,403,344	23,158,733	3,287,715	(9,255,660)	(4,411,727)	(10,379,672)
OTHER COMPREHENSIVE INCOME (LOSS)								
To be reclassified to profit or loss in subsequent periods:								
Unrealized changes in fair value of investments (Note 6)	(16,311,442)	-	-	(16,311,442)	6,605,882	-	-	6,605,882
TOTAL COMPREHENSIVE INCOME (LOSS)	(P3,834,583)	(P8,721,470)	P19,403,344	P6,847,291	P9,893,597	(P9,255,660)	(P4,411,727)	(P3,773,790)

See accompanying Notes to Financial Statements



UP ENGINEERING RESEARCH AND DEVELOPMENT FOUNDATION, INC.
(A Nonstock, Not-for-profit Organization)

STATEMENTS OF CHANGES IN FUND BALANCES
FOR THE YEARS ENDED DECEMBER 31, 2023 AND 2022

	General Funds (Note 9)	Endowed Funds (Note 9)	Special Funds (Note 9)	Total
BALANCES AT DECEMBER 31, 2021	₱60,166,259	₱250,462,396	₱13,461,779	₱324,090,434
Excess (deficiency) of revenue over expenses	3,287,715	(9,255,660)	(4,411,727)	(10,379,672)
Other comprehensive income	6,605,882	–	–	6,605,882
Total comprehensive income (loss)	9,893,597	(9,255,660)	(4,411,727)	(3,773,790)
Reclassification of fund balances (Note 9)	(20,045,335)	14,538,239	5,507,096	–
Net changes in fund balances	(10,151,738)	5,282,579	1,095,369	(3,773,790)
BALANCES AT DECEMBER 31, 2022	50,014,521	255,744,975	14,557,148	320,316,644
Excess (deficiency) of revenue over expenses	12,476,859	(8,721,470)	19,403,344	23,158,733
Other comprehensive income	(16,311,442)	–	–	(16,311,442)
Total comprehensive income (loss)	(3,834,583)	(8,721,470)	19,403,344	6,847,291
Reclassification of fund balances (Note 9)	–	(28,202,313)	28,202,313	–
Net changes in fund balances	(3,834,583)	(36,923,783)	47,605,657	6,847,291
BALANCES AT DECEMBER 31, 2023	₱46,179,938	₱218,821,192	₱62,162,805	₱327,163,935

See accompanying Notes to Financial Statements.



UP ENGINEERING RESEARCH AND DEVELOPMENT FOUNDATION, INC.
(A Nonstock, Not-for-profit Organization)

STATEMENTS OF CASH FLOWS

	Years Ended December 31	
	2023	2022
CASH FLOWS FROM OPERATING ACTIVITIES		
Excess (deficiency) of income over expenses before final tax	₱24,569,929	(₱10,002,569)
Adjustments for:		
Interest income (Notes 4 and 6)	(13,160,133)	(5,656,336)
Bad debts (Note 5)	4,456,673	5,004,368
Dividend income (Note 6)	(1,183,834)	(723,567)
Foreign exchange loss (gain)	737,523	(683,815)
Depreciation (Note 7)	7,704	10,272
Gain on reversal of accounts payable (Note 8)	–	(2,104,663)
Excess (deficiency) of revenue over expenses before working capital changes	15,427,862	(14,156,310)
Decrease (increase) in:		
Receivables	(5,462,781)	37,730
Other current assets	–	(8,737)
Increase (decrease) in accounts payable and other current liabilities	1,343,566	(213,981)
Net cash from (used in) operating activities	11,308,647	(14,341,298)
CASH FLOWS FROM INVESTING ACTIVITIES		
Acquisition of debt and equity securities (Note 6)	(269,605,649)	(16,600,000)
Proceeds from disposal and maturity of investments (Note 6)	237,082,826	32,500,000
Interest received (Note 6)	11,748,937	5,279,233
Dividends received (Note 6)	1,183,834	723,567
Acquisition of property and equipment (Note 7)	(69,310)	–
Net cash from (used in) investing activities	(19,659,362)	21,902,800
EFFECT OF EXCHANGE RATE CHANGES ON CASH AND CASH EQUIVALENTS	(737,523)	683,815
NET INCREASE (DECREASE) IN CASH AND CASH EQUIVALENTS	(9,088,238)	8,245,317
CASH AND CASH EQUIVALENTS AT BEGINNING OF YEAR (Note 4)	36,611,547	28,366,230
CASH AND CASH EQUIVALENTS AT END OF YEAR (Note 4)	₱27,523,309	36,611,547

See accompanying Notes to Financial Statement



1. Corporate Information and Objectives, and Authorization for Issuance of the Financial Statements

Corporate Information and Objectives

The UP Engineering Research and Development Foundation, Inc. (the "Foundation") was incorporated in the Philippines and is registered with the Philippine Securities and Exchange Commission (SEC) on August 3, 1972 as a nonstock, not-for-profit organization organized primarily to establish and provide a private institutional medium that will initiate, sponsor, promote, assist or conduct programs and projects geared towards research and development in the various fields of engineering and other related sciences or fields of endeavor. No part of the excess of revenues over expenses or assets of the Foundation inures to or belongs to any officer, member or private individual. The Foundation's registered office address is Room 218, Junio Hall, UP Campus, Diliman, Quezon City.

The Foundation has been granted by the Bureau of Internal Revenue (BIR) an exemption from payment of income tax as a corporation organized purely for scientific purposes as contemplated by Section 30(E) of the National Internal Revenue Code, as amended in 1998.

The Foundation was granted by the Philippine Council for NGO Certification (PCNC) the status of a certified donee institution on April 20, 2004. Such accreditation is in accordance with the provisions of Revenue Regulations (RR) No. 13-98 effective January 1, 1999. Accordingly, donations received shall entitle the donor's to full or limited deduction pursuant to Section 34 (H) (1) or (2) and exemption from donor's tax pursuant to Section 101 (A) (3) of the National Internal Revenue Code of 1997, subject to the representations and commitments set forth in the application for accreditation filed with the PCNC.

On December 18, 2014, the Foundation applied for the renewal of its accreditation as a certified donee-institution with the PCNC. On April 1, 2015, the BIR issued the Foundation a Certificate of Registration as a donee-institution under RR No. 13-98, valid until November 3, 2017 subject to extension until February 18, 2020. On December 7, 2017, the Foundation received the renewal of registration from the Department of Science and Technology (DOST 17-FR-06) good for another three years. As stated on the certificate of registration issued by the BIR, such renewal automatically extended the Foundation's accreditation as a donee-institution until February 2020. However, due to the lockdown starting in March 2020, PCNC was not able to conduct the in-person renewal process. But, with PCNC's endorsement for temporary extension, this registration was extended by BIR until December 31, 2020, and then granted another extension until June 30, 2021. The in-person renewal process was carried out by PCNC in September 2021. Subsequently, the Foundation received its PCNC Certificate of Accreditation for five years on October 27, 2021 valid until October 26, 2026, and its BIR Certificate of Registration # 168-2021 on November 26, 2021, good for three years until July 8, 2024.

Authorization for Issuance of the Financial Statements

The financial statements of the Foundation as of December 31, 2023 and 2022 and for the years then ended, were approved for issuance by the Adhoc Committee, as authorized by the Board of Trustees, on June 14, 2024.



the amounts are not recoverable. If so, an impairment loss is recognized immediately in excess of revenue over expenses under the statements of revenues and expenses and the carrying value of the receivable is reduced through the use of an allowance account. Amounts which the Foundation deems fully uncollectible are directly written off against the related receivables.

If there is objective evidence that an impairment loss on receivables has been incurred, the amount of the loss is measured as the difference between the asset's carrying amount and the present value of estimated future cash flows (excluding future credit losses that have not been incurred) discounted at the receivables' original effective interest rate (i.e., the effective interest rate computed at initial recognition).

Basic Financial Instruments

The Foundation's basic financial instruments are composed of financial assets and financial liabilities. Financial assets consist of the Foundation's cash and cash equivalents, accrued interest receivables and investments. Financial liabilities consist of accounts payable, accrued expenses, unearned income and trust fee payables.

Initial recognition and measurement

The Foundation recognizes a financial asset or a financial liability only when it becomes a party to the contractual provisions of the instrument. A financial asset or financial liability, except for those designated at fair value through profit or loss (FVPL), is initially measured at their transaction price including transaction costs, unless the arrangement constitutes, in effect, a financing transaction. If the arrangement constitutes a financing transaction, the Foundation measures the financial asset or financial liability at the present value of the future payments discounted at a market rate of interest for a similar debt instrument.

Subsequent measurement

At the end of each financial reporting period, the Foundation measures a financial asset or financial liability, as follows, without any deduction for transaction costs which the Foundation may incur on sale or disposal:

- debt instruments are measured at amortized cost using EIR method. Debt instruments that are classified as current assets or current liabilities shall be measured at the undiscounted amount of the cash or other consideration expected to be paid or received (i.e. net of impairment) unless the arrangement constitutes, in effect, a financing transaction. If the arrangement constitutes a financing transaction, the Foundation measures the debt instrument at the present value of the future payments discounted at a market rate of interest for a similar debt instrument. Interest income earned from debt instruments are recognized as interest income of the Foundation.
- commitments to receive a loan that permit the issuer to prepay a debt instrument or permit the holder to put it back to the issuer before maturity shall be measured at cost less any impairment; and investments in non-convertible preference shares and non-puttable ordinary or preference shares are measured at fair value. If the shares are publicly traded or their fair value can otherwise be measured reliably, the investments are measured at fair value with changes in fair value recognized in additions to or deductions from fund balances in the statement of revenue and expenses. All other investments are measured at cost less any impairment.
- The amortized cost of a financial asset or financial liability is the present value of future cash flows discounted at the effective interest rate and the related interest income or expense is equal to the carrying amount of the financial asset or financial liability at the beginning of the financial reporting period multiplied by the effective interest rate.



2. Summary of Significant Accounting Policies and Financial Reporting Practices

Basis of Preparation

The financial statements of the Foundation have been prepared under the historical cost basis, except for financial assets measured at fair value. The financial statements are presented in Philippine peso (Peso), which is the Foundation's functional and presentation currency. All amounts are rounded to the nearest Peso, except when otherwise indicated.

Statement of Compliance

The Foundation's financial statements have been prepared in accordance with the Philippine Financial Reporting Standard for Small and Medium-sized Entities (PFRS for SMEs).

Summary of Significant Accounting Policies

The significant accounting policies that have been used in the presentation of the financial statements are summarized below. These accounting policies have been applied to all the years presented, unless otherwise stated.

Current versus Noncurrent Classification

The Foundation presents assets and liabilities in statements of assets, liabilities and fund balances based on current/non-current classification. An asset is current when it is:

- Expected to be realized or intended to be sold or consumed in normal operating cycle;
- Held primarily for the purpose of trading;
- Expected to be realized within 12 months after the reporting period; or
- Cash or cash equivalent unless restricted from being exchanged or used to settle a liability for at least 12 months after the reporting period.

All other assets are classified as noncurrent.

A liability is current when:

- It is expected to be settled in normal operating cycle;
- It is held primarily for the purpose of trading;
- It is due to be settled within 12 months after the reporting period; or
- There is no unconditional right to defer the settlement of the liability for at least 12 months after the reporting period.

The Foundation classifies all other liabilities as noncurrent.

Cash and Cash Equivalents

Cash is comprised of cash in banks. Cash equivalents are short-term, highly liquid investments that are readily convertible to known amounts of cash with original maturities of up to three months or less from dates of acquisition, and that are subject to an insignificant risk of change in value.

Receivables

Receivables include those arising from advances, interest and others. Receivables arising from advances for administration and projects are recognized initially at original invoice amount while interest receivable are recognized at the nominal amount of interest that would be received from financial institutions. Where credit is extended beyond normal credit terms, receivables are measured at amortized cost using the effective interest rate (EIR) method. At the end of each reporting date, the carrying amounts of receivables are reviewed to determine whether there is any objective evidence that

Offsetting of Financial Instruments

Financial assets and financial liabilities are offset and the net amount reported in the statements of assets, liabilities and fund balances if there is a currently enforceable legal right to offset the recognized amounts and there is intention to settle on a net basis, or to realize the asset and settle the liability simultaneously. The Foundation assesses that it has a currently enforceable right of offset if the right is not contingent on a future event, and is legally enforceable in the normal course of business, event of default, and event of insolvency or bankruptcy of the Foundation and all of the counterparties.

Impairment of Financial Assets

The Foundation assesses at each financial reporting date whether there is objective evidence of impairment for financial assets that are measured at amortized cost. If there is objective evidence of impairment, the Foundation recognizes an impairment loss as deductions from the fund balances in the statements of revenue and expenses immediately. A financial asset or a group of financial assets is deemed to be impaired if, and only if, there is objective evidence of impairment as a result of one or more events that have occurred after the initial recognition of the asset (an incurred "loss event") and that loss event (or events) has an impact on the estimated future cash flows of the financial asset or the group of financial assets that can be reliably estimated. Evidence of impairment may include indications that the contracted parties or a group of contracted parties is experiencing significant financial difficulty, default or delinquency in interest or principal payments, the probability that they will enter bankruptcy or other financial reorganization, and where observable data indicate that there is measurable decrease in the estimated future cash flows, such as changes in arrears or economic conditions that correlate with defaults.

Derecognition of Financial Assets and Financial Liabilities

Financial assets

A financial asset (or, where applicable, a part of a financial asset or part of a group of similar financial assets) is primarily derecognized (i.e., removed from the Foundation's statements of assets, liabilities and fund balances) when:

- The rights to receive cash flows from the asset have expired; or
- The Foundation has transferred its rights to receive cash flows from the asset or has assumed an obligation to pay the received cash flows in full without material delay to a third party under a "pass-through" arrangement; and either (a) the Foundation has transferred substantially all the risks and rewards of the asset, or (b) the Foundation has neither transferred nor retained substantially all the risks and rewards of the asset, but has transferred control of the asset.

When the Foundation has transferred its rights to receive cash flows from an asset or has entered into a pass-through arrangement, it evaluates if, and to what extent, it has retained the risks and rewards of ownership. When it has neither transferred nor retained substantially all of the risks and rewards of the asset, nor transferred control of the asset, the Foundation continues to recognize the transferred asset to the extent of its continuing involvement. In that case, the Foundation also recognizes an associated liability. The transferred asset and the associated liability are measured on a basis that reflects the rights and obligations that the Foundation has retained.

Continuing involvement that takes the form of a guarantee over the transferred asset is measured at the lower of the original carrying amount of the asset and the maximum amount of consideration that the Foundation could be required to repay.

Financial liabilities

A financial liability is derecognized when the obligation under the liability is discharged or cancelled or expires. When an existing financial liability is replaced by another from the same lender on substantially different terms, or the terms of an existing liability are substantially modified, such an exchange or modification is treated as the derecognition of the original liability and the recognition of a new liability. The difference in the respective carrying amounts is recognized in the statements of revenue and expenses.

The Foundation recognizes as additions to or deductions from the fund balances in the statements of revenue and expenses any difference between the carrying amount of the financial liability, or part of a financial liability, extinguished or transferred to another party and the consideration paid, including any non-cash assets transferred or liabilities assumed.

Fund Balances

The Fund Balances account represents the cumulative balance of excess or deficiency of revenue over expenses. General funds are funds created to sustain the administrative activities of the Foundation. Endowed funds are funds established to continuously support and assist the research and development activities of the Foundation. Special funds are funds intended for research and development and engineering-related purposes. Any income arising from the funds are recognized as income by the Foundation.

Revenue

Revenue is recognized to the extent that it is probable that the economic benefits will flow to the Foundation and the revenue can be reliably measured. The Foundation assesses its revenue arrangements against specific criteria in order to determine if it is acting as a principal or an agent. The Foundation has concluded that it is acting as a principal in all of its revenue arrangements. The following recognition criteria must also be met before revenue is recognized:

Revenue from donations

Donations and grants are recognized on the date of receipt. All donations and grants received are considered available for general use unless specifically restricted by the respective donors or grantors.

Revenue from projects, and research and development activities

Revenue is recognized upon collection.

Interest income

Interest income is recognized as the interest accrues.

Dividend income

Dividend income is recognized when the Foundation's right to receive the dividend is established.

Expenses

Expenses are recognized in the statements of revenue and expenses when a decrease in future economic benefits related to a decrease in an asset or an increase of a liability has arisen that can be measured reliably. Expenses are recognized in the period in which they are incurred.

Foreign Currency Transactions

Transactions in currencies other than the Peso are initially recorded using the exchange rate prevailing at the transaction date. Outstanding monetary assets and liabilities denominated in foreign currencies are restated at the functional currency closing exchange rate at the financial reporting date.



they will enter bankruptcy or other financial reorganization, and where observable data indicate that there is measurable decrease in the estimated future cash flows, such as changes in arrears or economic conditions that correlate with defaults. If there is objective evidence of impairment, the Foundation shall recognize an impairment loss directly as deduction from the fund balances in the statements of revenue and expenses. There were no indications of impairment in 2023 and 2022. *Estimation of allowance for doubtful accounts*

Allowance for doubtful accounts are recognized for accounts specifically identified to be doubtful of collection. Recoverability of specific receivables is evaluated based on the best available facts and circumstances, the relationship of the debtor with the Foundation and the length of such relationship, and the debtor's payment behavior and financial condition. The Foundation reviews the age and status of receivables, and identifies accounts that are to be provided with allowances on a continuous basis.

Allowance for doubtful accounts amounted to nil as of December 31, 2023 and 2022. The carrying values of receivables amounted to P5.6 million and P4.6 million as of December 31, 2023 and 2022, respectively (see Note 5).

4. Cash and Cash Equivalents

	2023	2022
Cash in banks	P4,581,933	P26,574,276
Cash equivalents	22,840,499	10,037,271
Deposits with AB Capital	100,877	-
	P27,523,309	P36,611,547

Cash in banks earns interest at the respective bank deposit rates. Cash equivalents consist of short-term investments made for varying periods of up to three months depending on the immediate cash requirements of the Foundation and earn interest at the respective short-term investment rates.

Interest income earned from cash in bank amounted to P0.01 million in 2023 and 2022.

5. Receivables

	2023	2022
Advances for:		
Projects	P60,000	P50,000
Employee	30,387	-
Administration	21,350	-
Accrued interest (Note 6)	5,006,766	4,456,673
Others	485,493	91,215
	P5,603,996	P4,597,888

The advances for projects are funds advanced for the purchase of supplies used for research and for related purposes.

In 2023, management has written off long outstanding receivables amounting to P4.5 million.

**Provisions and Contingencies**

Provisions are recognized when the Foundation has a present obligation (legal or constructive) as a result of a past event, it is probable that an outflow of resources embodying economic benefits will be required to settle the obligation and a reliable estimate can be made of the obligation.

Contingencies are not recognized in the financial statements, but disclosed unless the possibility of an outflow of resources embodying economic benefits is remote. A contingent asset is not recognized in the financial statements but disclosed in the notes to financial statements when an inflow of economic benefits is probable.

Events After the End of Reporting Period

Events after the end of financial reporting period that provide additional information on the Foundation's financial position at the end of the reporting period (adjusting events) are reflected in the financial statements. Events after the end of financial reporting period that are not adjusting events are disclosed in the Notes to Financial Statements when material.

3. Significant Judgments, Accounting Estimates and Assumptions

The preparation of the financial statements in accordance with PFRS for SMEs requires management to make judgments, estimates and assumptions that affect the amounts reported in the financial statements and accompanying notes. The judgments, estimates and assumptions used in the financial statements are based on management's evaluation of the relevant facts and circumstances as of the date of the financial statements.

Accounting assumptions, estimates and judgments are continually evaluated and are based on historical experience and other factors, including expectations of future events that are believed to be reasonable under the circumstances.

Judgments and Estimates

In the process of applying the Foundation's accounting policies, management has made the following judgments, apart from those involving estimations, which have the most significant effects on amounts recognized in the financial statements:

Determination of functional currency

Based on the economic substance of the underlying circumstances relevant to the Foundation, the functional currency of the Foundation has been determined to be the Peso. It is the currency that mainly influences the Foundation's revenues and expenses.

Classification of basic financial instruments

The Foundation exercises judgment in classifying a basic financial instrument, or its component parts, on initial recognition as either a financial asset, a financial liability or an equity instrument in accordance with the substance of the contractual arrangement and the definition of a financial asset, a financial liability or an equity instrument. The substance of a basic financial instrument, rather than its legal form, governs its classification in the statements of assets, liabilities and fund balances.

Impairment of financial assets measured at cost and amortized cost

The Foundation treats financial assets measured at cost and amortized cost as impaired when there is objective evidence of impairment. The assessment whether there is an objective evidence of impairment involves significant judgment. In making this judgment, the Foundation evaluates and determines whether the contracted parties or a group of contracted parties is experiencing significant financial difficulty, default or delinquency in interest or principal payments, whether it is probable that

**6. Investments**

As of December 31, 2023:

	AB CAPITAL	Metropolitan Bank and Trust Company (MBTC)	In-house Managed	Total
Debt securities:				
Government bonds	P146,365,738	P-	P-	P146,365,738
Corporate notes	39,669,597	-	12,000,000	42,669,597
	177,135,334	-	12,000,000	189,035,334
Equity securities:				
Shares of stocks	31,408,183	-	13,714,941	45,123,124
	31,408,183	-	13,714,941	45,123,124
Mutual funds/UITF	61,162,131	-	-	61,162,131
Total Investments	P269,605,648	P-	P25,714,941	P295,320,590

As of December 31, 2022:

	Philippine National Bank (PNB)	Metropolitan Bank and Trust Company (MBTC)	In-house Managed	Total
Debt securities:				
Government bonds	P-	P-	P88,241,965	P88,241,965
Corporate notes	7,720,000	15,490,236	41,530,533	64,740,769
Accumulated fair value changes	-	(8,839,457)	-	(8,839,457)
	7,720,000	6,650,779	129,772,498	144,143,277
Equity securities:				
Shares of stocks	-	-	31,319,504	31,319,504
Accumulated fair value changes	-	-	(245,000)	(245,000)
	-	-	31,074,504	31,074,504
Mutual funds	-	-	90,564,109	90,564,109
Accumulated fair value changes	-	-	13,327,319	13,327,319
	-	-	103,891,428	103,891,428
Total Investments	P7,720,000	P6,650,779	P264,738,430	P279,109,209

The movement of the Foundation's total investment portfolio follows:

	2023	2022
Balance at beginning of year	P279,109,209	P288,403,327
Acquisitions	269,605,651	16,600,000
Retirement	(237,082,828)	(32,500,000)
Fair value changes for the year, including those recycled through profit or loss	(16,311,442)	6,605,882
Balance at end of year	P295,320,590	P279,109,209

Presented below are the movements in the accumulated fair value changes and allowance for probable losses of investments:

	AB CAP / MBTC	In-house Managed	Total
As at December 31, 2021	(P8,839,457)	P7,997,083	(P842,374)
Unrealized gain on changes in fair values	-	6,605,882	6,605,882
As at December 31, 2022	(8,839,457)	14,602,965	5,763,508
Unrealized gain on changes in fair values	-	(16,311,442)	(16,311,442)
As at December 31, 2023	(8,839,457)	(1,708,477)	(10,547,934)



Interest income from these investments amounted to P13.2 million and P5.7 million in 2023 and 2022, respectively. Accrued interest receivable amounted to P5.0 million and P4.4 million as of December 31, 2023 and 2022, respectively (see Note 5). Loss from sale of investment amounted to P1.6 million and nil in 2023 and 2022, respectively. Fair values of investments in equity securities are based on the quoted market prices at the close of business at the end of the reporting period.

Dividends received from the investment in house managed amounted to P1.2 million in 2023 and P.7 million in 2022.

7. Property and Equipment

	December 31, 2023	December 31, 2022
Cost - Office Furniture and Equipment		
Balance at beginning of year	P24,520	P24,520
Additions	69,310	-
Transfers	-	P24,520
Balance at end of year	93,830	-
Accumulated Depreciation		
Balance at beginning of year	10,272	-
Depreciation (Notes 14 and 15)	7,704	10,272
Balance at end of year	17,976	10,272
Net Book Values	P75,854	P14,248

8. Accounts Payable and Other Current Liabilities

	2023	2022
Accounts payable	P13,080	P13,080
Accrued expenses	739,506	77,173
Due to AB Capital	697,612	-
Withholding taxes	112,476	131,715
Social Security System (SSS), Philhealth, and Home Development Mutual Fund (HDMF) contributions	45,877	43,017
	P1,608,551	P264,985

Accounts payables are non-interest bearing and are normally payable 30 to 60-day credit term. Accrued expenses pertain to accrual of professorial chair, faculty awards and student's scholarship. Unearned income pertains to donation already received from donors of professorial chair awards that will be released in future years.

9. Fund Balances

General Funds

These are funds created to sustain the administrative activities of the Foundation, research and development projects of Intel Philippines (Intel) and non-research and development projects of National Hydraulic Research Center (NHRC), National Engineering Center (NEC) and UP College of Engineering (UPCOE). General funds consist of the following:

Based on a decision of the Board of Trustees on November 22, 2023, the three elements were aggregated into one account, called the General Fund. Thus, for 2023, the account is represented as follows:

	2023	2022
General Fund	P46,179,938	(P18,772,896)
Project Fund	-	65,745,631
Intel Fund	-	3,041,786
	P46,179,938	P50,014,521

Endowed Funds

These are funds established to continuously support and assist the research and development activities of NHRC, NEC and UPCOE, professorial chairs, technology development and strategic studies, teaching and research grants, scholarships, faculty development and the implementation of awards and incentives. Most of these are perpetual in nature and self-sustaining since these are interest-bearing funds, while other funds are also classified under this fund to reflect their continuity and long-term nature. Endowed funds consist of the following:

	2023	2022
Professorial Chair Trust Fund	P148,530,062	P167,458,274
NEC Research and Development Fund	21,493,982	21,493,982
UPCOE Research and Development Fund	12,726,356	13,705,838
Technology Development and Strategic Studies Fund	11,989,774	11,989,774
NHRC Research and Development Fund	7,402,591	7,402,591
Faculty Development Fund	5,596,402	5,596,402
Faculty Awards Fund	3,936,904	3,936,904
Student Scholarships and Awards Fund	3,300,855	14,576,960
Special-Purpose Fund	3,203,996	7,074,251
Teaching Grants Fund	616,850	2,231,150
Department of Chemical Engineering	23,420	278,849
	P218,821,192	P255,744,975

For 2023, the funds for the Department of Chemical Engineering have been reclassified under Special Funds to reflect the nature of the fund which is for a specific project. This was approved by the Board of Trustees last November 22, 2023.

Special Funds

These are funds intended for research and development and engineering-related purpose, but some special-purpose project funds, such as those which are continuing and long-term in nature, may also be classified under other funds. The Special Funds consist of the following funds:

	2023	2022
Programs		
Annual Professorial Chair Fund	P10,429,792	P737,528
UPCOE Modernization Fund	4,800,230	3,315,845
Annual Scholarships and Student Awards Fund	3,338,325	-
UPCOE Research & Development Fund	724,821	724,821
UPCOE - Institute of Civil Engineering	693,915	836,205
UPCOE - Industry and Government Linkage with Academe Program (IGLAP)	12,076	12,076
Projects		
Special Funds - EEEI Labs Upgrade	19,585,191	-
Special Projects - Golden Jubilee	456,696	463,980
Co-Managed Projects		
Special Funds - UPAE	11,805,000	-
Special Projects - Department of Mining, Metallurgical and Materials Engineering (DMMME)	3,799,023	7,168
Special Projects - Various	1,880,000	1,880,000
Special Projects - Golden Pillars	1,220,450	2,019,766
Special Projects - UPSCALE	938,648	2,356,550
Special Projects - Tau Alpha Infinity Walk	920,000	900,000
Engkansya	617,862	617,862
Special Projects - Department of Chemical Engineering	255,429	-
Road applications of cement project	232,338	232,338
Special Projects - Industrial/Mechanical Engineering	163,404	163,404
Tau Alpha Student Loan Guarantee	121,328	121,328
Special Projects Honorarium	28,941	28,941
IE 298 Class Hackathon	28,271	28,271
Others	111,065	111,065
	P62,162,805	P14,557,148

10. Supplementary Information Required Under RR No. 34-2020 and No. 15-2010

Requirement under RR 34-2020

The Foundation is not covered by the requirements and procedures for related party transactions specifically on the submission of the Information Return on Transactions with Related Party (BIR Form No. 1709) provided under Section 2 of Revenue Regulations No. 19-2020, as amended by Revenue Regulations No. 34-2020.

The Foundation reported and/or paid the following types of taxes in 2023

a. Withholding Taxes

The details of the Foundation's withholding taxes paid in 2023 are as follows:

Expanded withholding taxes	P541,707
Withholding taxes on compensation and benefits	41,450
	P583,157

b. Taxes and License Fees

In 2023, the Foundation paid annual registration fee amounting to P500.

c. Documentary Stamp Tax

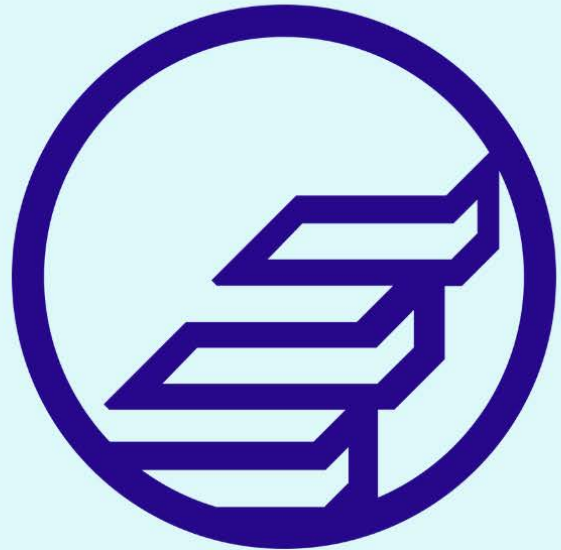
There has been no payment of any documentary stamp tax on loan instruments or other transactions subject thereto during the year ended December 31, 2023.

d. Tax Assessment and Cases

The Foundation has not received any Final Assessment Notice or Formal Letter of Demand from the BIR for its open years. Likewise, the Foundation has no other pending tax cases outside the administration of the BIR as of December 31, 2023.

*“Share your blessings,
Express your gratitude,
Demonstrate your passion,
Monetize your pride,
Memorialize your beloved,
Convert science to wealth,
Invest in UP Engineering”*

– whatever drives you – these will strengthen UPCOE in its efforts to build better and more engineers, problem solvers and solution implementers.



UPERDFI IS YOUR PARTNER

Philippines

UPERDFI is duly-registered with the following institutions:

- Securities and Exchange Commission as a non-stock, not-for-profit institution
- Bureau of Internal Revenue as a Donee Institution*
- Philippine Council for NGO Certification
- Department of Science and Technology

*For donations of at least ₱ 50,000, we provide a Certificate of Donation, which grants 100% expense deduction and donors' tax exemption.

Independent Auditor: SyCip, Gorres, Velayo & Co. (SGV & Co.)

Contact Person:

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USA

UPERDFI has a cooperative effort with the Friends of the University of the Philippines Foundation in America (FUPFA), a 501(c)3 charitable organization, which handles donations from US-based donors for UPCOE.

FUPFA (www.fupfa.org) issues an Acknowledgement Letter recognized by the US IRS for tax deductibility.

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**UP Engineering Research and
Development Foundation, Inc.**

Driving Progress

2023 ANNUAL REPORT

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