







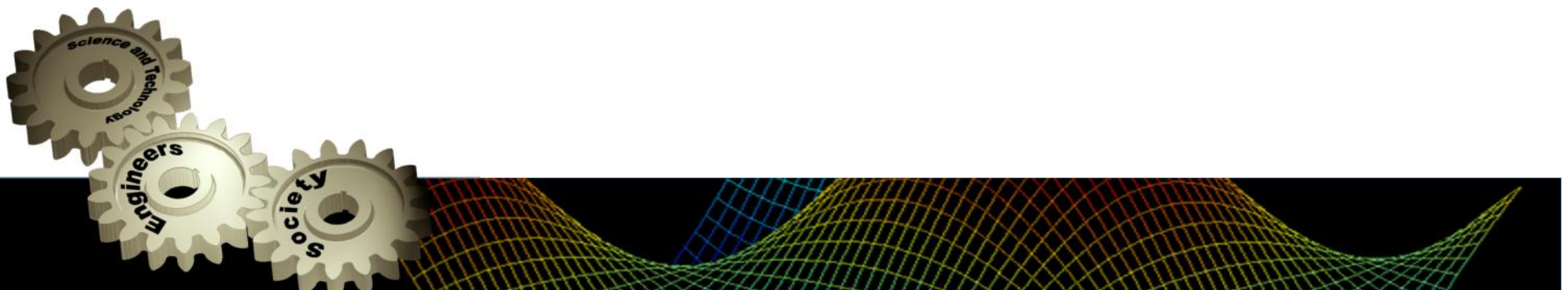


The State of the UP College of Engineering

Aura C. Matias, Ph.D.
Dean

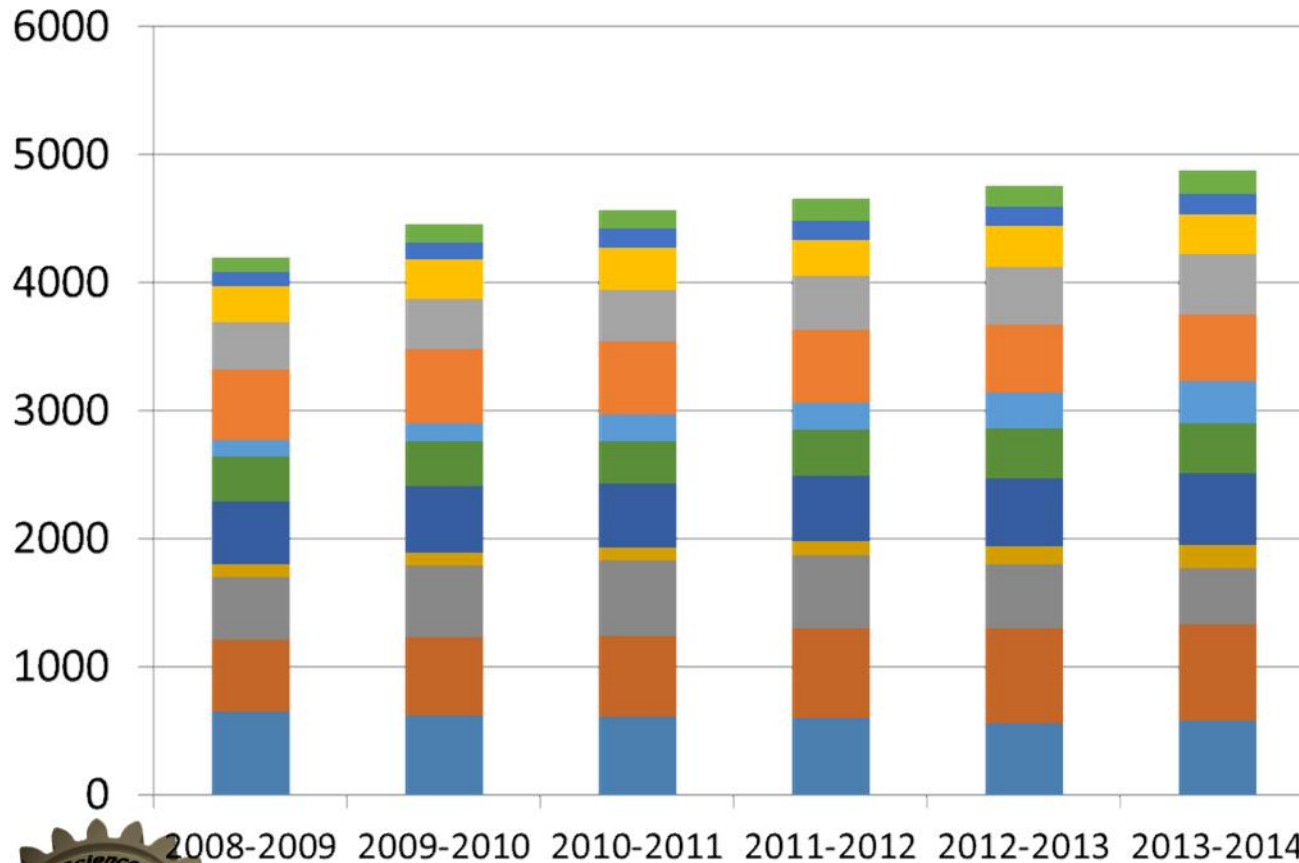
- The largest college, consisting of nearly 5,000 undergraduate and 800 graduate students with 255 faculty members

	<ul style="list-style-type: none"> ▪ Chemical Engineering 		<ul style="list-style-type: none"> ▪ Geodetic Engineering
	<ul style="list-style-type: none"> ▪ Institute of Civil Engineering 		<ul style="list-style-type: none"> ▪ Industrial Engineering & Operations Research
	<ul style="list-style-type: none"> ▪ Computer Science 		<ul style="list-style-type: none"> ▪ Mechanical Engineering
	<ul style="list-style-type: none"> ▪ Electrical & Electronics Engineering Institute 		<ul style="list-style-type: none"> ▪ Mining, Metallurgical & Materials Engineering



Enrollment Statistics

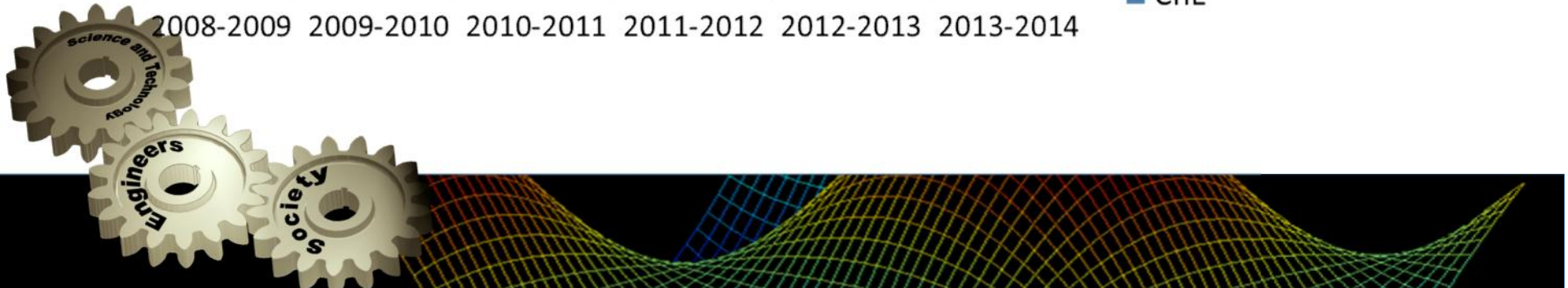
Undergraduate Students



- EM
- MetE
- MatE
- ME
- IE
- GE
- CoE
- ECE
- EE
- CS
- CE
- ChE

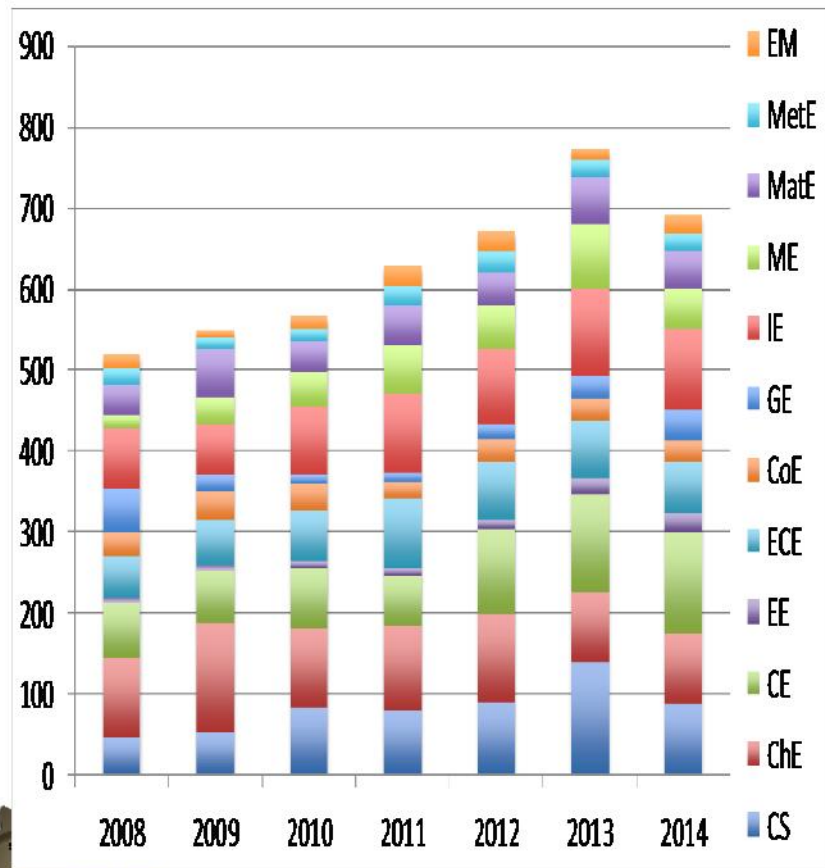
Oblation Scholars
18 for 2011-2012
25 for 2012-2013
20 for 2013-2014

52.17% of Qualifiers come from PSHS system, municipal science high schools and top private HS

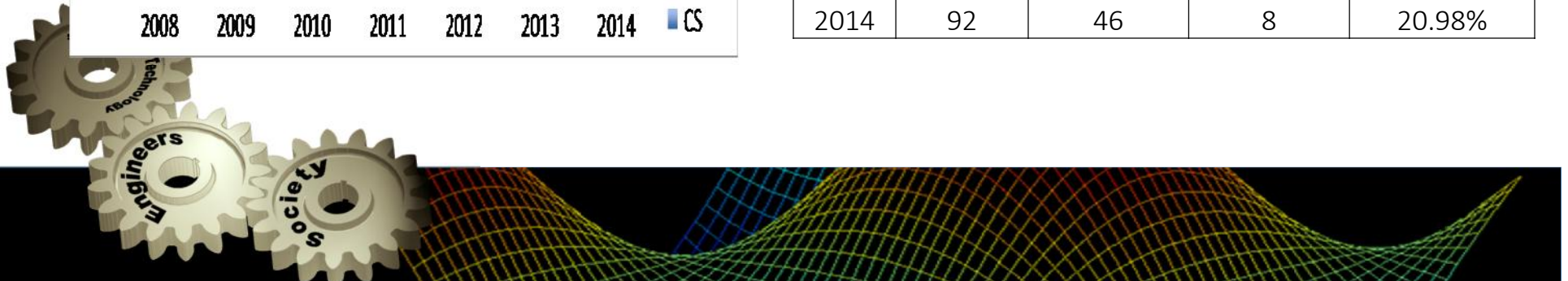


Graduation Statistics

No. of Graduates (2008-2014)



YEAR	No. of Graduates with Honors			% of Total Graduates
	<i>Cum laude</i>	<i>Magna cum laude</i>	<i>Summa cum laude</i>	
2007	36	13	0	11.75%
2008	48	20	3	13.7%
2009	68	18	5	16.49%
2010	78	36	6	21.24%
2011	94	26	6	20.22%
2012	108	33	5	21.76%
2013	121	54	4	21.83%
2014	92	46	8	20.98%



Enrollment & Graduation Statistics

University of the Philippines
College of Engineering

The National Graduate School of Engineering (NGSE)

	2011 - 2012			2012-2013			2013-2014		
Semester	1 st	2 nd		1 st	2 nd		1 st	2 nd	
MS	708	695		760	709		747	742	
PhD	114	112		116	114		118	111	
Total	822	807		876	823		865	853	
	No. of Students who Graduated								
	1 st	2 nd	Summer	1 st	2 nd	Summer	1 st	2 nd	Summer
MS	18	39	1	24	57	23	18	43	10
PhD	4	5		5	5	1	2	3	2
Total	22	44	1	29	62	24	20	46	12
	67			115			78		



International Competitions

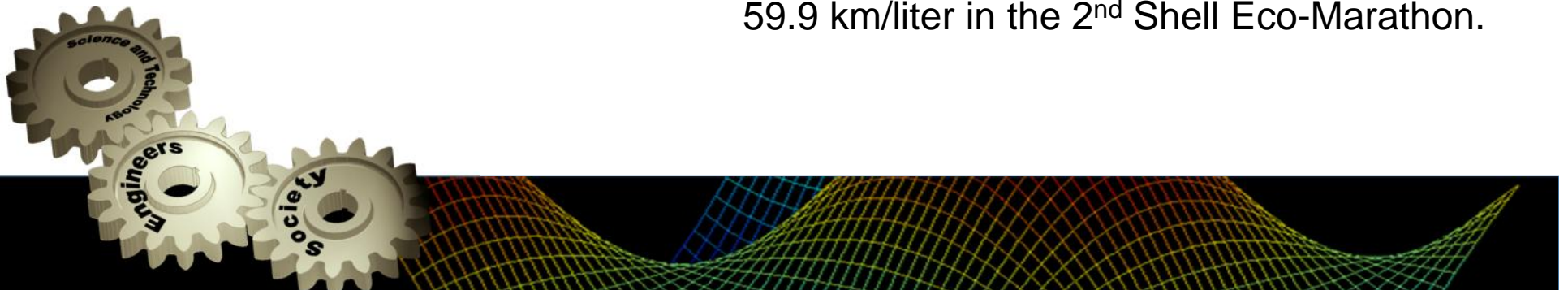
BOSCH Kart Competition 2nd Place



Shell Eco-Marathon KL, Malaysia, July 8-10, 2011



Won the 2011 Urban Concept Diesel @
59.9 km/liter in the 2nd Shell Eco-Marathon.



Congratulations!

Paolo Gabriel Cacnio
Miguel Isidro Cariño
Rhio Alleli Santos
Andrew Vincent Yap

**1st Place in the
5th Industrial Engineering
Competition
ASEAN Level
held in Bandung Indonesia
January 2012**



From your Industrial Engineering and Operations Research family





CONGRATULATIONS

to the following students from the

DEPARTMENT OF COMPUTER SCIENCE

for representing

Asia Pacific, Middle East, and Africa

and winning

1st place for their research entitled:

“SOUL: Secure Online USB Login System”

at the

**2012 Kaspersky International Cup of the
IT Security Conference for Young Professionals**

held at the

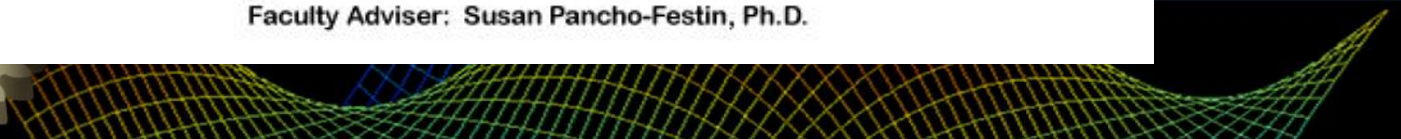
Delft University of Technology in the Netherlands

11-13 May 2012



**KEVIN ATIENZA, ROD XAVIER BONDOC,
AND JOSHUA ARVIN LAT**

Faculty Adviser: Susan Pancho-Festin, Ph.D.



Student Scholarships

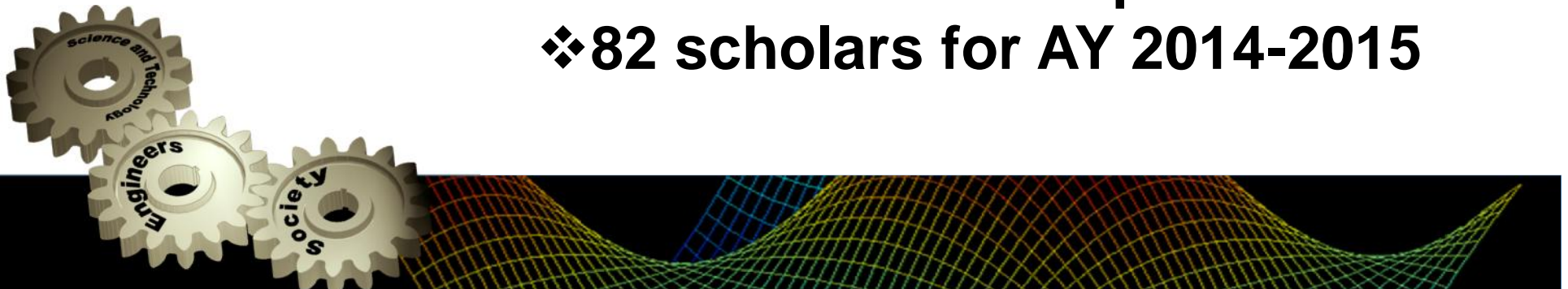
Socialized Tuition and Financial Assistance Program (STFAP) SY 2013-2014

Brackets A	– 3,290 students
B	– 160
C	– 740
D	– 485
E ₁	– 118
E ₂	– 85
<u> </u>	
Total:	4,878 students

Socialized Tuition System (ST) SY 2014-2015

ND	– 1,468 students
PD33	– 1,499
PD60	– 1,355
PD80	– 445
FD	– 122
<u>FDS</u>	<u>– 111</u>
Total:	4,900 students

140 COE Scholarships available
❖ 82 scholars for AY 2014-2015



Faculty Profile

University of the Philippines
College of Engineering

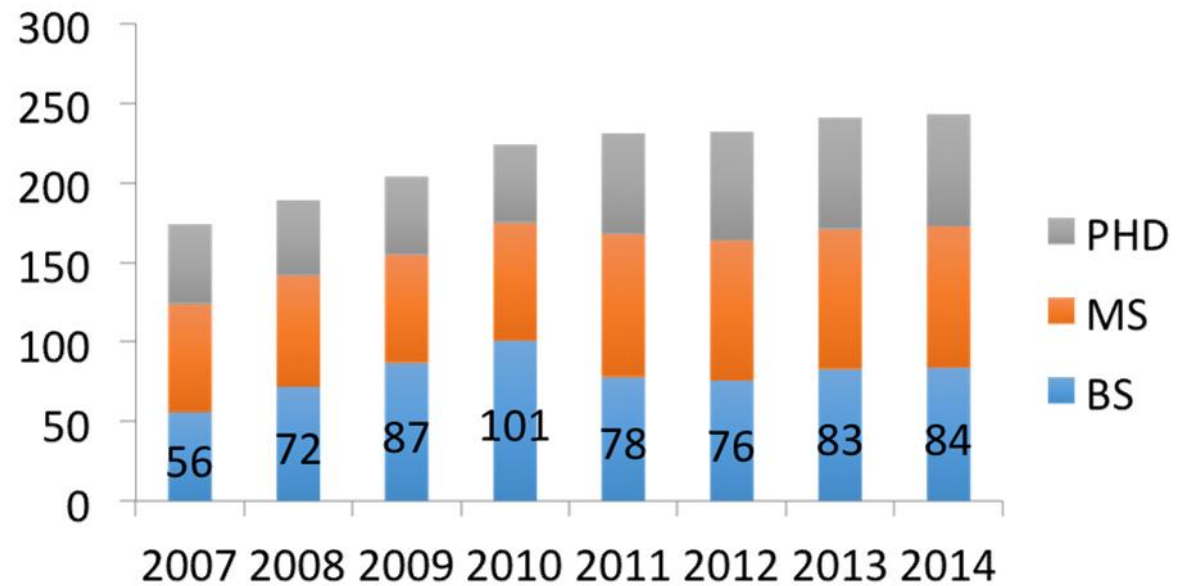
No. of Faculty Members

- 153 – Temporary
- 90 – Permanent
- 9 – Adjunct. Prof
- 2 - Prof Emeritus

	2007	2008	2009	2010	2011	2012	2013	2014
BS	56	72	87	101	78	76	83	84
MS	68	70	68	74	90	88	88	89
PHD	50	47	49	49	63	68	70	70
Total	174	189	204	224	231	232	242	243

147 Faculty Plantilla Items

40% of Faculty are on non-tenure tracks



Faculty Monthly Salary

University of the Philippines
College of Engineering

Rank	Gross Monthly Salary (PhP)
Instructor 1	23,044
Asst Prof 1	31,351
Asst Prof 7	34,608
Assoc Prof 3	47,601
Professor 1	59,964
Professor 12	78,916

Position	Ave. Monthly Salary (PhP)
Cadet	24,600 to 34,500
Engineer	34,500
Design or Product Engineer	35,200 to 50,000
Engineering Manager	61,600 to 109,000

- Free Tuition for Graduate Studies
- Study Leave with Pay Privileges



Faculty PCA/TRG

University of the Philippines
College of Engineering

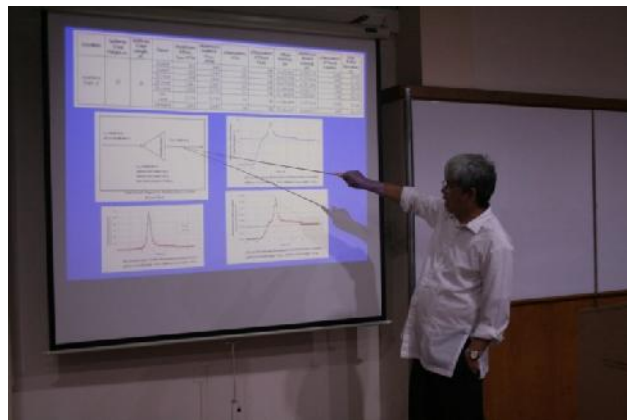
Professorial Chair Awards and Teaching Research Grants

92 PCA holders in 2013-2014
(P72,000-P240,000/yr)

33 TRGs awarded in 2013-2014
(P60,000/yr)

PCA shortfall – 67

TRG shortfall – 51





The Role of the College of Engineering in Promoting S&T Education in the Country and National Development



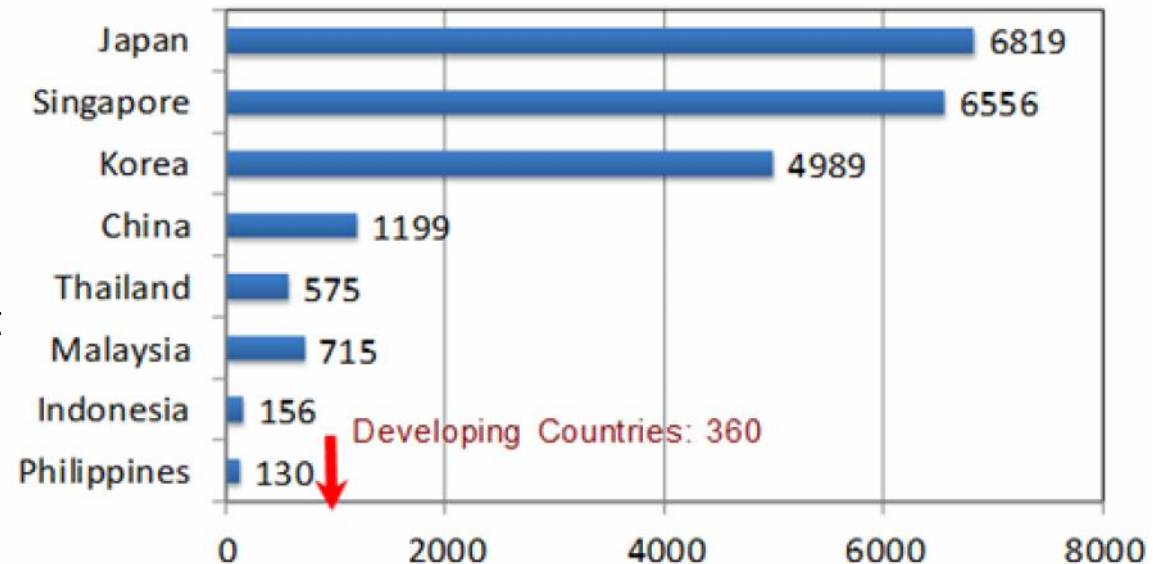
Engineering Research and Development for Technology



Philippines need specialized engineers for solutions thru R&D.

- disaster mitigation to poverty alleviation,
- from agriculture to semiconductor industries,
- ensure a sustainable environment and affordable energy for the future
- Produce low cost indigenous technologies

Comparison of RSE's per 1M population



ERDT PROGRAMS

- MS and PhD Scholarships
- Sandwich Research Program
- Faculty Development Program
- Post Doctoral Program



Increased Enrolment

Upgraded Faculty Profile

ERDT: “Serving the Nation thru Human Resource Development”



Engineering Research and Development for Technology



R&D MANPOWER

Academe
(Project Leaders
and Faculty
Advisers)
Industry R&D
Personnel



Graduate Students
and ERDT
Scholars
Government
Researchers

ERDT PARTNERS

Government (funding support, policies)
Intl Universities (student and personnel
mobility)
Industry (linkage, internships and thesis
partners)
Alumni (support and
linkage)



Role of UPD in ERDT

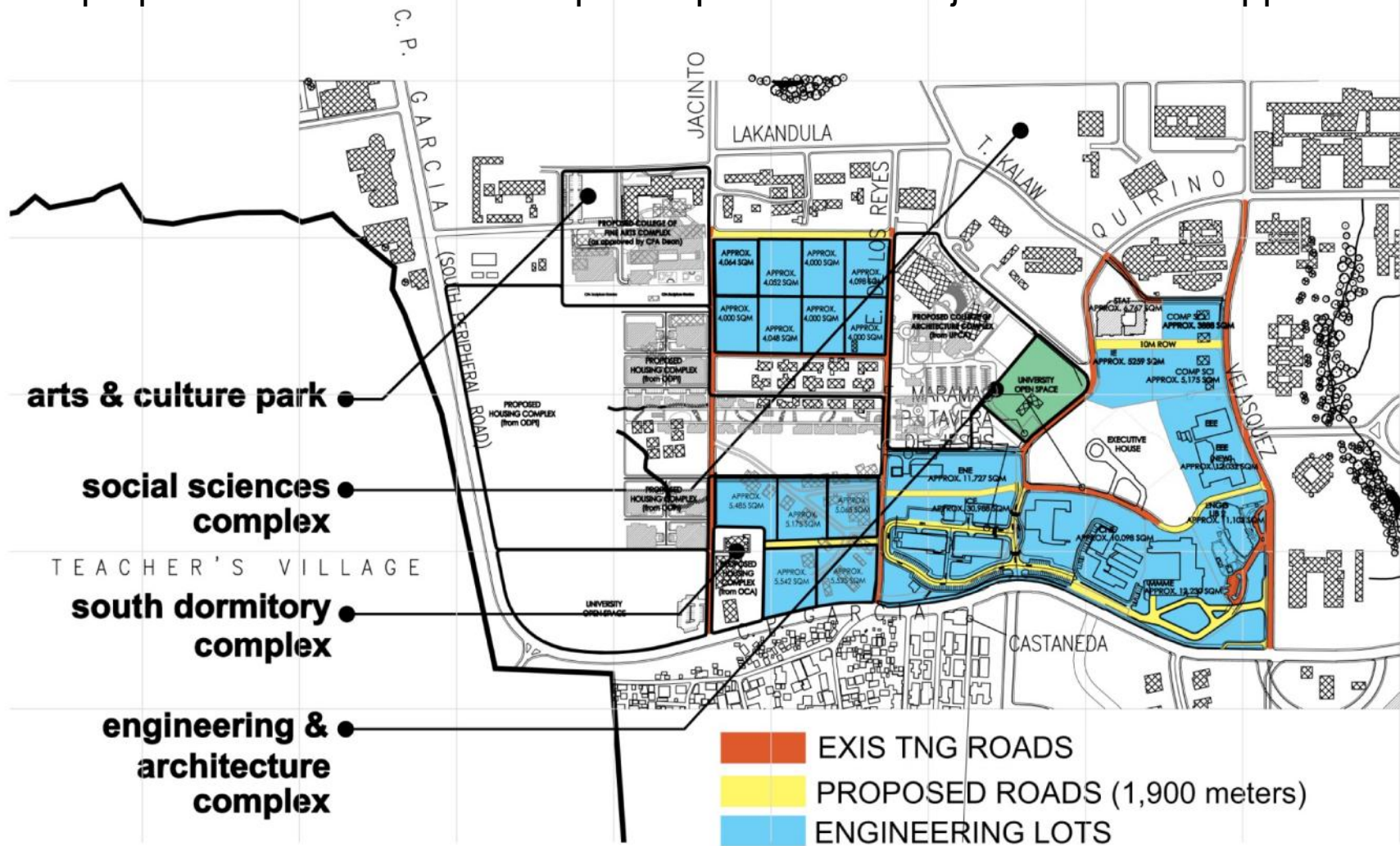
- Implement High Impact Research
- Create Innovation thru Technoentrepreneurship
- Bring S&T closer to Filipinos

Challenges

- Lack of space and equipment to conduct research
- Limited funds for research
- Few Incentives for research
- Long Procurement

National Engineering Complex Master Plan

The proposed master site development plan is still subject to BOR for approval

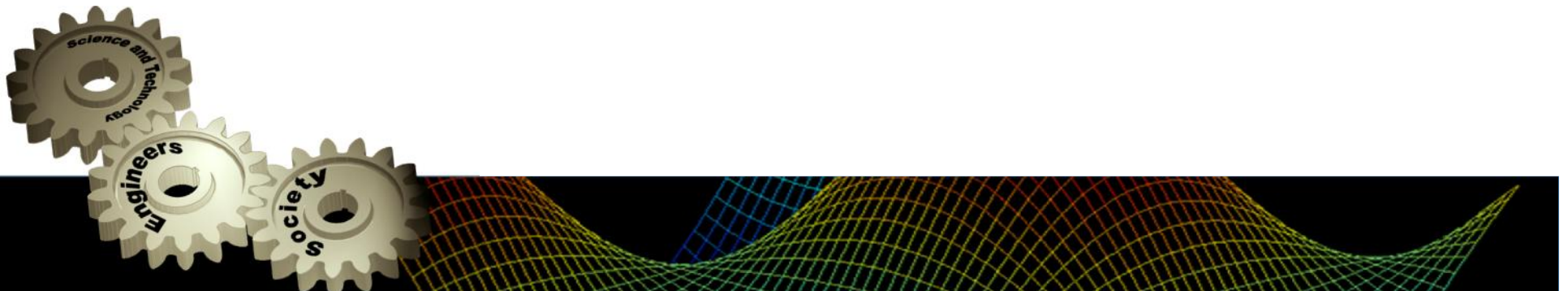


COE Long-term Development Goals

University of the Philippines
College of Engineering

To become the National Center of Excellence for Engineering & Technology Innovation, the long-term development goals are to:

- Increase undergraduate intake by 50%
- Increase graduate student population by 100%
- Produce approximately 1000-1300 engineering graduates per year
- Produce approximately 300-400 MS and PhDs per year
- Produce at least 100 scientific publications per year
- Produce at least 10 patent applications per year
- International accreditation of all engineering programs in UP
- Upgrade UP's QS ranking in engineering education in Asia and the World
- Contribute substantially to the improvement of the Philippine Competitiveness Index in the areas of S&T Infrastructure, Technological Readiness and Innovation

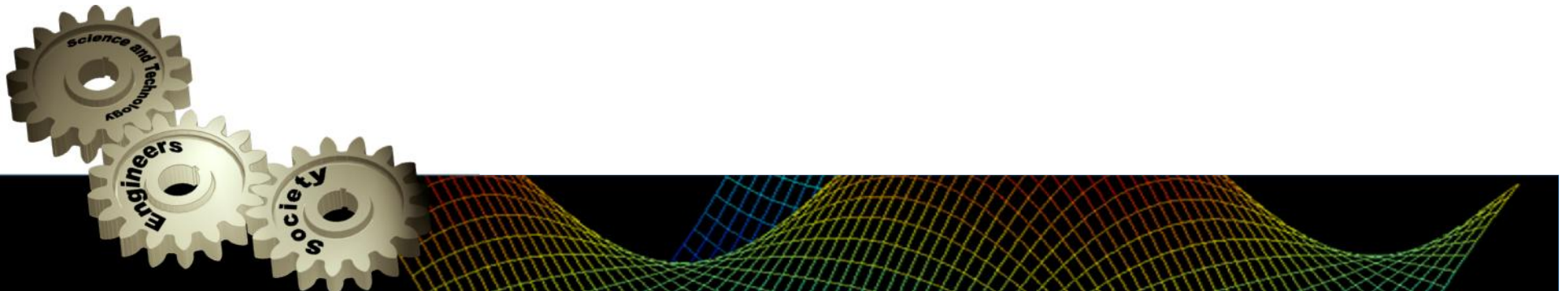


How can you help?

- Choose to support a faculty, a student or a department/institute
- Donate your time through mentoring students and faculty
 - Avail of the Balik Scientist Program of DOST
- Cash donations are managed by the UPERDFI in the Philippines

Matching Gift:

*For every P1M raised, a matching gift of P1M shall be donated between Dr. Magdaleno Albaraccin and Engr. Isidro Consunji
Target amount of P10 Million (\$250,000) until December 2015.*



Scholarships

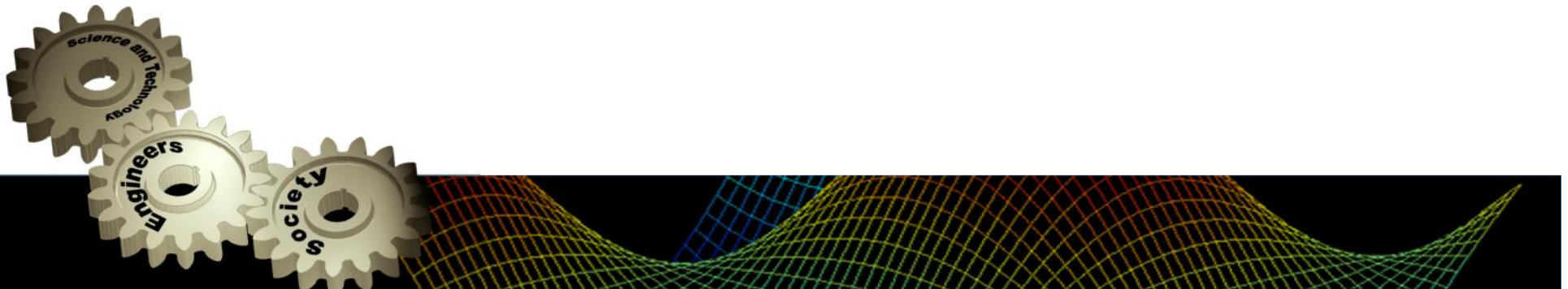
- Full scholarships
 - \$2750 - \$3250 a year (tuition & monthly stipend)
- Study Grants
 - \$750 - \$1250 a year (monthly stipend only)
- The scholarship will carry the name of the donor.

Student Research Projects and Competitions

The UPERDFI maintains a fund pool for these purposes, like the *College of Engineering Fighting Fund*, with donors appropriately cited.

Student Internships and Faculty Exposure Programs

You may want to open your organization to host these students and faculty members during the Midyear Term (June-July).



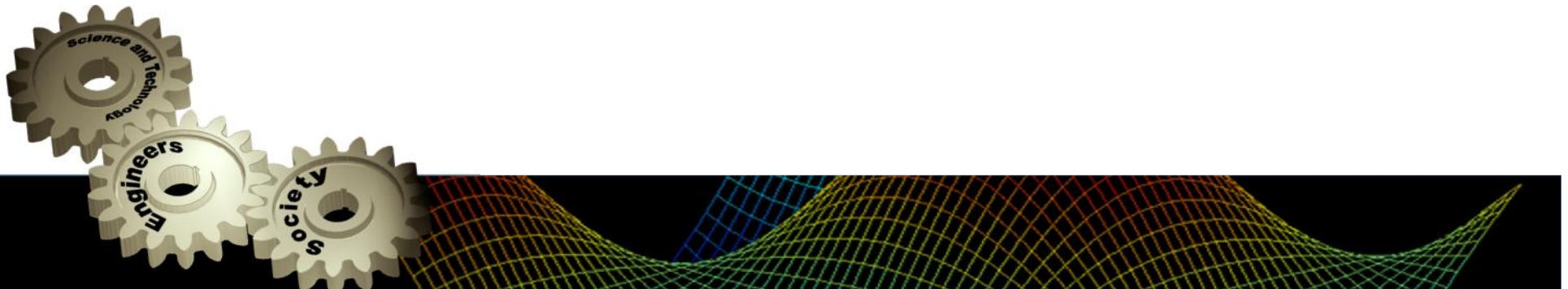
Professorial Chair Award (PCA)

	ANNUAL (5 years)	ENDOWMENT
• Category 1 chair awards	\$1800 a year	\$ 50,000
• Category 2 chair awards	\$3,000 a year	\$ 75,000
• Category 3 chair awards	\$6,000 a year	\$150,000

Teaching and Research Grants (TRG)

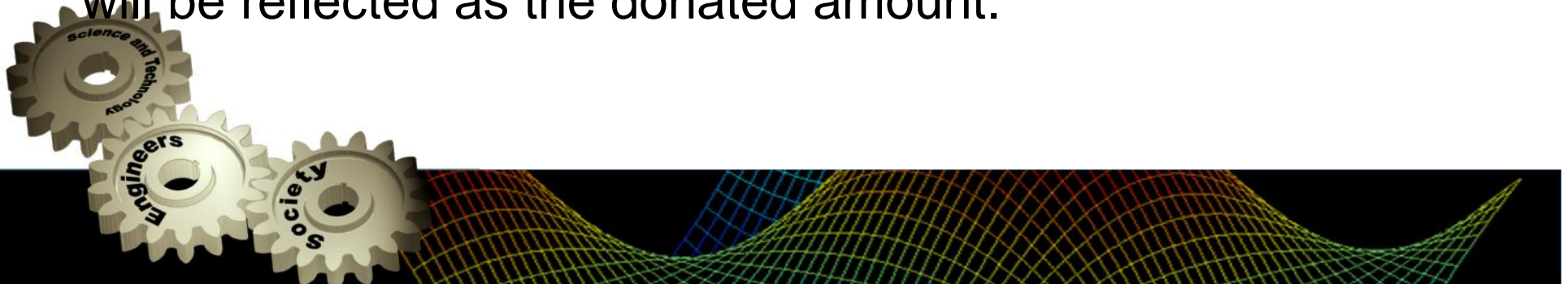
- \$1,500 a year

The PCA/TRG will carry the name of the donor



Classroom or Laboratory Upgrade

- Putting up a set of multimedia equipment, ergonomic chairs and desks, air conditioning, lighting, and sunlight breakers, requires P500,000 per room, and entitles the donor to naming rights to the room
- Laboratories require larger amounts depending on the specifications. UPERDFI monitors the disbursement of the funds for purchases and construction. Donors can have their own design, and also bring their own workforce and equipment/furnishings, and the equivalent cost incurred will be reflected as the donated amount.



US Dollar Donations

- US-based donors for remittance to UPERDFI may be coursed through the Friends of UP Foundation in America (FUPFA) a 501(c) 3 charitable org
 - Check or Paypal
 - c/o Polly S. Cortez Mobile (925) 876-7695
Executive Director-Vice Chair
polly@pollycortez.com or
upfoundationamerica@yahoo.com

The Acknowledgement of Donation issued by the FUPFA is recognized by the US Internal Revenue Service.



Contact Details

Aura C. Matias

Dean, UP College of Engineering

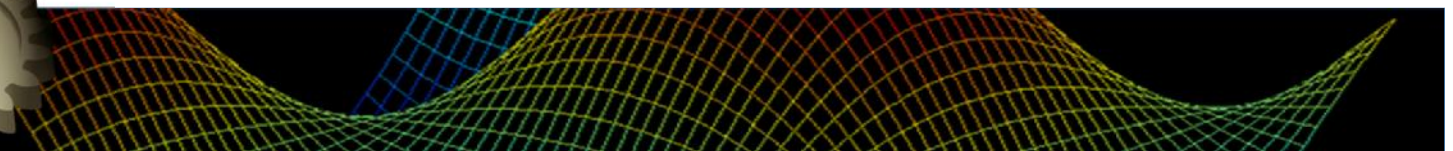
dean@coe.upd.edu.ph

+63 917 529 2872

COE Website: <http://coe.upd.edu.ph/>

U.P. Enggkansya Fund for Excellence

<http://coe.upd.edu.ph/enggkansya/>





Thank you!

UPAA SFO

UPAA GLA

UPAA NJ

BEFAA

TA Overseas East

TA West

Woodbury University

UPERDFI

FUPFA

