



College of Engineering and Agro-Industrial Technology

CEAT By the Numbers

Term Report
November 2011 - June 2014



CEAT TERM REPORT 2011-2014

Reaffirming commitment to provide engineering leadership in the country

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For more information, please visit us at www.ceat.uplb.edu.ph

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TABLE OF ACRONYMS

ABONO	- Abono Partylist Agricultural Development Scholarship Grant
ABPROD	- Agricultural and Bio-Process Division
AFSD	- Agrometeorology and Farm Structures Division
AMD	- Agricultural Machinery Division
ARDS	- Agricultural and Rural Development Scholarship
BSABE	- BS Agricultural and Bio-Systems Engineering
BSAE	- BS Agricultural Engineering
BSCE	- BS Civil Engineering
BSCHE	- BS Chemical Engineering
BSEE	- BS Electrical Engineering
BSIE	- BS Industrial Engineering
CEAT	- College of Engineering and Agro-Industrial Technology
CHED	- Commission Higher Education
DA-ACEF	- Department of Agriculture - Agricultural Competitiveness Enhancement Fund
DENR	- Department of Environment and Natural Resources
DOST	- Department of Science and Technology
GSIS	- Government Service Insurance System
LGU	- Local Government Unit
LWRD	- Land and Water Resources Division
OWWA	- Overseas Workers Welfare Administration
PAFCPIC	- Philippine Army Finance Center Producers Integrated Cooperative
SK	- Sangguniang Kabataan
SMFI	- SM Foundation Inc.
SMFUND	- SM Fund
STFAP	- Socialized Tuition and Financial Assistance Program
SYDP	- Scholarship and Youth Development Program
TFE	- Tuition Fee Exception
TOSP	- Ten Outstanding Students of the Philippines
UPPRES	- UP Presidential Undergraduate Scholarship

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Message from the Dean



Arnold R. Elepaño

Dean, College of Engineering
and Agro-Industrial Technology

For the past three years, the College of Engineering and Agro-Industrial Technology has created its own vision, mission, and strategic thrusts in line with the UP system's visions. The College has been extending its endeavours to fulfil the following strategic thrusts: (1) broaden learning environment, (2) improve research's volume, industry academe linkages and reputation, (3) increase refereed articles in journals, and (4) enhance exposure locally and internationally for both staff and students. This report contains all the accomplishments from 2011 to 2014.

With the collective activities of the faculty, staff, and students, we tried to translate all accomplishments by the numbers. Some of the highlights of the past three years for the first thrust include improved enrolment trends, increase in top quality members, increased faculty members pursuing higher studies, ASEAN University Network accreditation, and improvement of the college's buildings and facilities. For the second thrust, we have a number of papers that have been presented in different conferences, seminars, and have conducted a number of successful researches and projects. We have also increased our refereed articles in journals as a part of the third thrust. Furthermore, we have conducted a number of successful faculty and student activities. But one of the main highlights of this term is the College's Centennial Celebration.

Indeed, the past three years have been fruitful as we took every opportunity to convert our resources and capacities for the college's growth and development. It has been a fulfilling and rewarding period for me as an academic leader to have the full support of the CEAT constituents. Thank you especially to the CEAT Execom A.Y. 2011-2014 who has become a big part of this success. I would also like to extend my gratitude to the UPLB constituents and the support of our alumni, partner agencies, and other stakeholders.

I hope that what we have done for the past three years will inspire us to strive even more. We encourage participation and continued support from the college constituents in fulfilling the college's vision-mission. We hope you find this report informative.

Our Vision, Mission, and Strategic Thrusts



Since 1908, the University of the Philippines has served the people by educating the best and the brightest of the country's youth to prepare them in excelling and becoming a leader in their chosen fields. As we shape the minds that shape the nation, UP has been known to be one of the premier higher education institutions not just locally but also worldwide.

"In the wake of technological advancements and global interconnectedness, UP maintains a leading role in tertiary education by developing programs and instituting units that respond to the country's emerging needs. Our university continues to produce graduates and specialists who live up to the tradition of honor and excellence in the service of the people." (Pascual, 2011)

Under its Charter of 2008 (Republic Act 9500), UP is mandated to perform its unique and distinctive leadership in higher education and development.

Our Vision for UP

A great university, taking a leadership role in the development of a globally competitive Philippines

Driven by:

- Academic and operational excellence;
- Strong research and creative capability, supported by an expanded graduate program and geared to addressing the country's problems;
- Excellent faculty and staff working in an environment conducive to outstanding performance and high productivity;
- The best and brightest students from across the country prepared for successful careers and responsive citizenship;
- Strong support from the alumni and other stakeholders;
- High visibility and effective public service;
- Modernized physical facilities and technological infrastructure

ture for teaching, research, and administration; and

- Financial sustainability achieved by resource generation and administrative efficiency, while preserving its public character.

The University of the Philippines Los Baños, with its national and regional mandates for excellence in engineering education, its commitment to rural agro-industrial development and its proven strengths in graduate and undergraduate instruction and research, is in unique position to complement the crop of graduates of other institutions for the agro-industrial development needs of the country.

The College of Engineering and Agro-Industrial Technology (CEAT) has created its own set of vision, mission, and strategic thrusts in line with the UP system's vision. The CEAT aims to: 1) produce quality engineering graduates needed for agricultural and industrial development of the country; 2) advance the frontier of knowledge in engineering and generate technologies in support of the agro-industrial thrusts of the country; and 3) promote the utilization of useful techniques by proper clientele.

Strategy 1: Broaden learning environment

Strategy 2: Improve research's volume, industry academe linkages and reputation

Strategy 3: Increase refereed articles in journals

Strategy 4: Enhanced exposure for locally and internationally for both staff and students

With this, we would like to invite you to revisit the past three years and to see how our initiatives dovetail into our collective dedication for distinctive excellence.

College of Engineering and Agro-Industrial Technology

The College of Engineering and Agro-Industrial Technology (CEAT) traces its roots to the former Department of Agricultural Engineering which was created in 1912 as one of the departments of the College of Agriculture Engineering. On June 24, 1976, the department became the Institute of Agricultural Engineering and Technology. It was elevated to a college on February 24, 1973. The elevation of the institute to a college gave rise to the establishment of Chemical Engineering Department and creation of Engineering Sciences Department. In all these years, CEAT pursues the university goals of providing leadership in agro-industrial engineering for countryside development.

CEAT is now the 2nd largest college in the university in terms of degree program offerings and enrolment. As years passed by, CEAT continues to grow as a premiere engineering college in the country.

Our college envisions,

“Excellence in engineering education, research, and extension; committed to progressive transformation and global relevance of Philippine agriculture and industry”

With this vision in mind, CEAT continues to produce top-caliber engineering graduates needed for agricultural and industrial development of the country, advance the frontier of knowledge in engineering and generate technologies in support of the agro-industrial thrusts of the country, and promote the utilization of useful technologies by proper clientele.

The college offers undergraduate curricular programs in Agricultural Engineering, Chemical Engineering, Civil Engineering, Electrical Engineering, and Industrial Engineering. It also offers post-graduate programs such as Master of Science in Engineering, Agrometeorology, and Chemical Engineering and PhD in Agricultural Engineering.

The Institute of Agricultural Engineering has been engaged in academic and professional pursuits towards biosystems engineering. With this involvement, the degree in Agricultural Engineering was then changed to Agricultural and Biosystems Engineering to keep up with the emerging discipline in

biological and biosystems engineering that has been a trend since the mid-1990s.

These degree programs ensure quality students equipped with theoretical knowledge and technical capabilities to be assets of the country and to contribute to the betterment of the society and hopefully to mark invaluable contributions not only in the Philippines but also worldwide.

These offices assist the students during their stay in the college.

The Dean's Office is the administrative center of the college. They assist in the implementation of policies and take directive from the College Dean and the University Administration.

The Office of the College Secretary is the official repository of students' academic records and is responsible for the implementation of admission requirements and registration of the students.

They inform students of their registration schedule, curricula, schedule of classes, and other academic matters. They are also in charge of updating information relative to requirements of individual candidates for graduation and seeing to it that such requirements are fulfilled.

To keep up with the advances in the information and technology arena, the library created an online website to help with the research work of the students, faculty, and researchers.

CEAT is composed of different units with different specializations in the field of engineering.

The Institute of Agricultural Engineering or IAE is the oldest and strongest engineering unit in UPLB in terms of instruction, research, and extension.

Established on the 17th day of April 1997, IAE has four divisions such as the AMD, ABPROD, AFSD, and LWRD. Also included in the institute, is the research and extension arm of the college which is the AMDP.

IAE has earned several distinctions including recognition as a Center of Excellence in Agricultural Engineering Education, a Top Performing School in Agricultural Engineering, and a National Center for Agricultural Engineering Research, Develop



College of Engineering and Agro-Industrial Technology

ment, and Extension. Moreover, IAE is a member of DOST-SEI Engineering Research & Development for Technology (ERDT) Consortium.

CEAT's establishment gave rise to the establishment of the Department of Chemical Engineering

With the foundation of this department, Sugar Technology program was transferred from the College of Agriculture to CEAT.

In March 1985, BS Chemical Engineering program was institutionalized. In line with the college's vision, the department has always been able to make a name in chemical engineering education. Its graduates have consistently obtained passing percentages in the chemical engineering licensure examination.

Reputable awards and recognition have been consistently achieved by the students, faculty, staff, and alumni.

The Department of Engineering Science is the multi-disciplinary department of the CEAT. It also was established, when the college was instituted.

As a multi-disciplinary department established in 1983, it handles basic engineering courses and serves as a springboard from which additional departments could evolve.

The department equips prospective engineering graduates in the fundamentals of engineering design and research. Moreover, it supports engineering students in their venture on the challenging fields of material science, fluid mechanics, thermodynamics, and information technology.

The Civil Engineering Department started offering the BS Civil Engineering as one of the degree programs of CEAT in 1992 with 52 freshmen students.

The department is dedicated to the vision of the college. With this, they prepare the students to become globally competitive engineers. They educate students with basic principles that will make them well-rounded engineers who will become industry leaders and pioneers in research and development.

The Electrical Engineering Department was established on April 17, 1997 by the Board of Regents and started offering BS Electrical Engineering as one of the degree programs of CEAT.

Electrical Engineering at UPLB has more than a decade-long record of excellence, training, and service. It is a diverse discipline that deals with the study and application of power, electronics, and telecommunications. It is also assured that the students are able to creatively translate the theories and principles of the course through laboratory experiments, projects, and research endeavors.

The Industrial Engineering department was established in 1999 to provide quality Industrial Engineers especially in the Southern Tagalog Region.

Industrial Engineering field is concerned with the improvement of systems' effectiveness and efficiency. With this, the department has been greatly involved in improving systems within the university.

Although the youngest department in CEAT, the department is preparing for the internationalization through the development of researches and continues to help the college and university with their goals.

The Agricultural Machinery Testing and Evaluation Center or AMTEC was established in 1977 by virtue of a Memorandum of Agreement (MOA) between the Department of Agriculture (DA) and the University of the Philippines Los Baños (UPLB).

AMTEC was created in response to the need for an official testing agency to promote a self-reliant agricultural machinery industry that would cater to the needs of the Filipino farmers.

CEAT's research, development, and extension programs also addresses agriculture and food security, energy, climate change, and the environment. Each department has different laboratories and facilities provided for the use of students, faculty, staff, and researchers.

The College has conducted numerous technological researches which are published in local and international refereed and non-refereed journals.

Dynamic linkages and partnerships with industries, local and international academic institutions and other relevant professional organizations have also been established.

The college continues upgrading degree programs, facilities, and services to keep up with the trends and to be recognized all over the world through quality graduates, state-of-the-art research, development, and extension endeavors.

UNDERGRADUATE PROGRAMS

Bachelor of Science in Agricultural and Biosystems Engineering

This undergraduate program provides the basic education for developing skills and professional knowledge common to the specialized fields of agricultural and biosystems engineering. The curriculum integrates engineering science and design with applied biological, environment, and agricultural sciences that allows the students to develop professional command of a particular specialized area of discipline such as agricultural power and machinery for bio-production systems, agricultural and bio-process engineering, agrometeorology, and farm structures or land and water resources engineering. The BS curriculum provides the basic entry level competencies into engineering design, biosystems and agro-industrial development, operation, and services including teaching and research.

Bachelor of Science in Chemical Engineering, major in Sugar Technology

The graduates of this curriculum are expected to meet the technical manpower requirements of the sugar industry and allied industries. With solid background in both chemical engineering and sugar technology, it is envisioned that this program will develop in the graduates the competency and proper perspective to meet the changing needs of the sugar industry and related agro-based industries.

Students in this program may take the thesis or practicum option. Both options require 22 units of Sugar Technology courses, 42 units of Chemical Engineering courses and 6 units of thesis/practicum.

Bachelor of Science in Chemical Engineering, major in Pulp and Paper Technology

The graduates of this curriculum who are sufficiently trained in the science and technology of pulp and paper making are expected to meet the professional manpower requirements of the pulp and paper industry. With strong backgrounds in both chemical engineering and in Pulp and Paper Science and Technology, it is expected that this program will produce globally competitive professional equipped with the knowledge of the process involved in converting wood and fibers, and recycling the same, into paper.

Students of this program may take the thesis or practicum option. Both options require 27 units of Pulp and Paper courses, 39 units of Chemical Engineering, and 6 units of thesis/practicum.

Bachelor of Science in Civil Engineering

One of the most important aspects of rural development in the Philippines is the continuing need for infrastructures for transportation, communication, commerce, education, human settlements, energy development, and agriculture. In the age of modern technology and interdependence of people and institutions, civil engineers constitute a specialized group of trained manpower whose expertise is indispensable for the design and construction of infrastructures for public and private use.

The Southern Tagalog Region, in particular, is an emerging agro-industrial center with a high-projected need for irrigation and drainage, roads, bridges, manufacturing plants, agro-processing facilities, warehouses, and port development. There are parallel high growth needs in residential homes, business offices, water supply systems, and waste-disposal facilities. In the total picture, competent civil engineering graduates with other professionals are needed to effect the development of structural systems that are safe, economical, and efficient. The UPLB seeks to help upgrade in the long run, the quality of civil engineering education in the country, particularly in the Southern Tagalog Region.

Bachelor of Science in Electrical Engineering

This curricular program offers an excellent opportunity for the students to acquire solid academic preparations in electrical and electronic circuit theory and analysis. Graduates of the program are expected to be fully equipped and able to enhance the level of their competencies as they chart their professional careers in the development mainstreams, particularly in power, electronic, and computer engineering including equipment/instrument design.

Bachelor of Science in Industrial Engineering

This curricular program aims to enable its students to have the competence to plan, design, install, and evaluate integrated systems of personnel, materials, equipment, energy, and information in ways that reduce costs and increase system efficiency and effectiveness. Through the program, the students are provided technical competencies for industrial systems analysis, design, and management.

The BSIE program meets the minimum standards and other requirements set by the Commission on Higher Education. Graduates of the program are expected to apply their knowledge and skills for the industrial development needs of the Philippines.

GRADUATE PROGRAMS

MS and PhD Agricultural Engineering

Farm and Power Machinery

The field of Farm Power and Machinery involves the application of mechanical, physical, biological, and electronic principles to the solution of real-life problems or issues in crop/fruit/vegetable production and processing. Among others, the coursework includes the study of theories of soil failure, traction, compaction, and floatation on agricultural soils; dynamics of seeding and transplanting, soil-seed and seedling-machine interactions; principles of digital and analogue measurements and control of temperature, humidity, strain, moisture content, pressure, and fluid flow in engineering process; methods of testing and inspection of engineering materials, strain measurement, brittle-coating, and related instrumentation; and design of energy systems using conventional, non-conventional, renewable, and other alternative power sources.

Agricultural and Bio-Processing

The field of Agricultural & Bio-Processing (ABPRO) covers the gamut of handling and storage of crops in fresh form from farm to market, to processing of agricultural materials into food, feed products, and industrial products. Loss reduction, quality retention, improved efficiency, and cost effectiveness of the various postharvest and processing operations are prime considerations in development of technologies for ABPRO. Coursework covers heat, mass, and momentum transfer, crop processing operations, physical properties of agricultural materials, and refrigeration systems. Students are also encouraged to enroll in elective courses in other colleges of UPLB to broaden their perspective and increase their understanding of biosystems. These electives generally include courses in animal science, postharvest horticulture, agricultural economics, and food science.

Land and Water Resources

The core content of the curriculum focuses on land and water resources engineering, which is designed to provide graduates with the ability to impart knowledge in resources development and management, and to conduct a sharply focused and detailed academic research.

MS Agrometeorology

The MS in Agrometeorology is an interdisciplinary field which relates the elements of atmospheric environment with agribusiness operations. It is designed to prepare students to deal with the weather-related problems affecting agricultural activity from the long-range planning to the daily operations.

MS Chemical Engineering

The MS program provides chemical engineers a greater opportunity for improving or developing further their capabilities in providing quality instruction and in undertaking research and development projects. Those pursuing the M.S. in Chemical Engineering with specialization in Pollution Engineering will have the opportunity to help solve some pollution problems through chemical engineering solutions.



Broaden Learning Environment

We aim to broaden our learning environment through the following goals: increase academic efficiency (monitor student performance), strengthen our graduate programs, expand undergraduate engineering scholarship program, and promote entrepreneurship vs. thesis/practicum, and encourage active collaboration with government, sharing our view and our thoughts through policy formation, peer-review of projects.

In this part of the report, we will be discussing how the college tries to further expand its learning environment. We have included the enrolment trends of the college for the past three years. As the university is known for one of the consistent top performers in licensure examinations in different fields, we have also included the college's performance in engineering examinations.

The college also continues to recruit only the best when it comes to its faculty and staff. We have a number of quality instructors, associate and assistant professors, and professors. They continue to impart their knowledge to the students of the college. At the graduate and undergraduate levels, we are doing our best to attract the best and brightest students by rationalizing our entrance policies, providing scholarship programs and financial support, and helping in their adjustment in school.

Enrolment Trends

CEAT Annual Registration Report

During the reporting period, CEAT registration data reached a total student population 2,514 during the 1st Semester 2013-2014. The BS Chemical Engineering with 638 and BS Civil Engineering with 603 of the total enrollment dominated CEAT registration. It is followed by the BS Electrical Engineering with 524, then the BS Agricultural Engineering with 309 and BS Industrial Engineering with 383.

Degree	2nd Sem (2011-2012)	Summer 2012	1st Sem (2012-2013)	2nd Sem (2012-2013)	Summer 2013	1st Sem (2013-2014)	2nd Sem (2013-2014)	Summer 2014	Midyear Term
BSABE	0	0	232	241	129	309	303	194	22
BSAE	313	171	125	105	53	67	55	31	7
BSCE	483	229	538	526	250	603	589	334	46
BSCHE	545	323	610	575	280	628	601	357	62
BSEE	440	216	493	466	180	524	510	249	51
BSIE	302	156	355	338	148	383	366	196	44
TOTAL	2083	1095	2353	2251	1040	2514	2424	1361	232

Majority of the CEAT students came from the Southern Tagalog Region (Region 4A) and the National Capital Region (NCR).

Scholastic Status of CEAT Students

Scholastic Standing of CEAT Students

While there are CEAT students who achieved probationary, warning, and even dismissed scholastic status, more than half the student population still achieved good standing (52-58%) in the 2nd semester 2012-2013, 1st semester 2013-2014, and 2nd Semester 2013-2014.

CEAT continuously recognize the achievements of its students. During the CEAT Foundation Day celebration every February, all University Scholars and College Scholars students were given certificates of recognition.

Scholastic Standing	2nd Sem (2011-2012)	1st Sem (2012-2013)	2nd Sem (2012-2013)	1st Sem (2013-2014)	2nd Sem (2013-2014)
University Scholars	20	29	14	47	40
College Scholar	96	123	95	177	120
Honor Roll	184	235	192	275	268
Good	1224	1209	1307	1296	1393
Warning	304	446	379	396	328
Probation	161	204	143	174	142
Double Probation	-	-	30	36	41
Dismissed	38	31	25	43	27
Permanently Dismissed	46	61	56	60	55
No basis (Residency, LOA)	10	15	10	10	10
Total	2083	2353	2251	2514	2424

CEAT Graduation Report

CEAT has produced 702 graduates from all the five (5) degree programs. CEAT continuously produces honor graduates even with the rigorous training entailed in an engineering degree. There were a total of 55 candidates with honors – nine (9) magna cum laude and 46 cum laude graduates from CEAT.

Number of CEAT Graduates

Degree	2nd Sem (2011-2012)	Summer 2012	1st Sem (2012-2013)	2nd Sem (2012-2013)	Summer 2013	1st Sem (2013-2014)	2nd Sem (2013-2014)	Summer 2014	Midyear Term
BSAE	20	5	6	21	13	11	9	10	1
BSABE	-	-	-	-	-		16	2	
BSCHE	28	12	24	52	12	19	37	11	5
BSCE	43	6	11	31	11	9	60	6	6
BSEE	16	6	18	23	3	16	24	6	4
BSIE	12	5	17	28	1	2	19	4	1
TOTAL	119	34	76	155	40	57	165	39	17

CEAT Graduates Per Academic Year with their Number of Years of Residency

AY 2011-2012	No. of Years of Residency															Total Graduates
	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10	10.5	11	11.5	
DEGREE																
BSAE	0	8	5	7	5	6	2	2	0	1	0	0	0	0	0	36
BSCE	1	26	6	13	5	4	5	3	2	2	1	0	0	0	0	68
BSCHE	0	16	8	10	6	1	2	2	3	0	0	1	0	0	1	50
BSEE	0	7	13	8	3	3	5	3	0	0	0	0	0	0	0	42
BSIE	0	9	4	2	3	2	2	0	0	0	0	0	0	0	0	22
TOTAL	1	66	36	40	22	16	16	10	5	3	1	1	0	0	1	218

AY 2012-2013

AY 2012-2013		No. of Years of Residency												Total Graduates
	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10	10.5	
DEGREE														
BSAE	2	11	2	7	1	3	1	1	0	1	1	1	1	32
BSCE	1	27	4	4	4	3	1	3	0	0	0	1	0	48
BSCHE	2	35	13	19	2	9	4	1	0	1	1	1	0	88
BSEE	0	14	5	10	5	6	2	1	1	1	1	1	0	47
BSIE	0	16	4	6	3	5	1	4	1	0	0	0	0	40
TOTAL	5	103	28	46	15	26	9	10	2	3	3	4	1	255

AY 2013-2014

AY 2012-2013	No. of Years of Residency															Total Graduates
	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10	10.5			
DEGREE																
BSAE	1	11	6	8	4	2	0	0	1	0	0	0	0			33
BSABE	0	16	0	0	0	0	0	0	0	0	0	0	0			16
BSCE	1	42	5	20	2	2	1	3	3	1	0	0	0			80
BSCHE	1	26	9	15	4	6	1	3	2	1	0	0	0			68
BSEE	0	9	8	9	8	4	0	2	0	2	0	0	1			43
BSIE	0	10	2	5	0	1	0	2	0	0	0	2	0			22
TOTAL	3	114	30	57	18	15	2	10	6	4	0	2	1			262

Performance in Licensure Examinations

CEAT graduates have also made UPLB proud for placing it as a top performing school in the Professional Regulation Commission administered board/licensure examinations specifically in Agricultural, Chemical and Electrical Engineering. In Civil Engineering, UPLB has also been consistent in achieving high passing rates but the number of examinees falls short from the required number (50) to be included in the recognition.

Department of Civil Engineering

Date of Exam	Passing rate	Topnotchers	Remarks
May 2011	100% (10/10)		
Nov 2011	97.4% (38/39)		
May 2012	100% (17/17)	3rd, 7th, 8th	
Nov 2012	100% (46/46)		
May 2013	92.86% (13/14)		
Nov 2013	97.50% (39/40)		
May 2014	100% (7/7)		

Department of Chemical Engineering

Date of Exam	Passing rate	Topnotchers	Remarks
April 2011	67.74%(21/31)		
Nov 2011	71.1% (27/38)	2nd	
April 2012	67.7% (21/31)		
Nov 2012	63.8% (30/47)	5th	
April 2013	80.0%(28/35)		
Nov 2013	75.4%(43/57)	3rd, 5th	
April 2014	75.0%(24/32)	3rd	

Department of Electrical Engineering

Date of Exam	Passing rate	Topnotchers	Remarks
Sep 2011	100%(18/18)	3rd, 6th, 9th	Top School
April 2012	100%(18/18)		Special Citation
Sep 2012	100%(23/23)		
April 2013	100%(19/19)	5th, 9th	
Sep 2013	100%(25/25)		
Feb 2014	100%(18/18)	7th, 10th	
Sep 2014	100%(26/26)		

Department of Institute of Agricultural Engineering

Date of Exam	Passing rate	Topnotchers	Remarks
Nov 2011	94.59%(35/37)		Top School
Sep 2012	94.59%(35/37)	6th, 7th	
Sep 2013	92.5%(37/40)	3rd	
July 2014	97.5%(34/35)	2nd, 5th, 7th, 8th	Top School

Scholarships

Though there are many scholarships offered for all students, STFAP remains to be the major source of scholarship for the CEAT students, followed by the DOST scholarship with 152 grantees in the 1st semester of 2012-2013.

Scholarship Grant	2nd Sem (2011-2012)	Summer 2012	1st Sem (2012-2013)	2nd Sem (2012-2013)	Summer 2013	1st Sem (2013-2014)	2nd Sem (2013-2014)	Summer 2014	Midyear Term
STFAP	1826	1015	2086	2055	998	2377	2203	1326	218
DOST	146	10	152	81	7	54	126	5	1
SK	4	4	10	22	6	9	10	-	-
TFE	52	24	42	46	17	37	38	18	10
ABONO	-	-	-	1	-	1	1	-	-
LGU	4	-	-	-	-	-	-	-	-
LGC	40	11	43	27	10	21	24	12	1
DENR	-	-	-	-	-	-	1	-	-
CHED	-	-	-	1	-	1	1	-	-
SMFUND	1	-	-	-	-	-	2	-	-
SYDP			1	1	-	-	3	-	-
OWWA	7	1	9	3	-	4	7	-	-
TOSP	-	-	1	1	-	-	-	-	-
OBLATION	-	-	-	1	-	-	-	-	-
GSIS	-	-	-	1	-	-	1	-	-
ARDS	2	1	-	9	1	1	-	-	-
UPPRES			3	1	1	4	7	-	-
SMFI	-	-	-	-	-	3	-	-	-
PAFCPIC	-	-	-	-	-	1	-	-	-
DA-ACEF	-	-	-	-	-	1	-	-	-
TOTAL	2082	1067	2347	2251	1040	2514	2424	1361	230

Financial Assistance

Yolanda Financial Assistance

The College of Engineering and Agro-Industrial Technology in collaboration with the CEAT Alumni Association spearheaded the campaign to help the Supertyphoon Yolanda victims particularly CEAT students from the affected provinces of Samar and Leyte. The project "Funds for Yolanda Victims" was launched during the CEAT Faculty meeting last November 14, 2013 held at the EE Auditorium, CEAT, UP Los Baños. CEAT has initially put up the Fund Program to help 15 students, 13 from CEAT and two cross registrants from UP Tacloban who were directly affected by the calamity. Each student recipient received a monetary assistance worth five thousand pesos (Php 5,000.00) every month from December 2013 to March 2014. The monetary assistance is intended to help the recipients defray the costs of living in UPLB while they are continuing their studies for the 2nd semester of academic year 2013-2014. Most of the funds came from the CEAT family (faculty, staff, and alumni), friends, private institutions, and other concerned citizens.

Alumni Financial Assistance

The UPLB Freshman Class of 1979, where Mr. Lyle Bacongus is the Interim Chair, donates P96k as financial assistance to 16 CEAT students.





Increase in Top Quality Mentors

The college also continues to recruit only the best when it comes to its faculty and staff. We have a number of instructors, associate and assistant professors, and professors. They continue to impart their knowledge to the students of the college. We have faculty members who are currently pursuing their masteral and doctoral study. At the same time, we have been encouraging faculty members to pursue their degree under the reduced tuition fee privilege for UP employees.

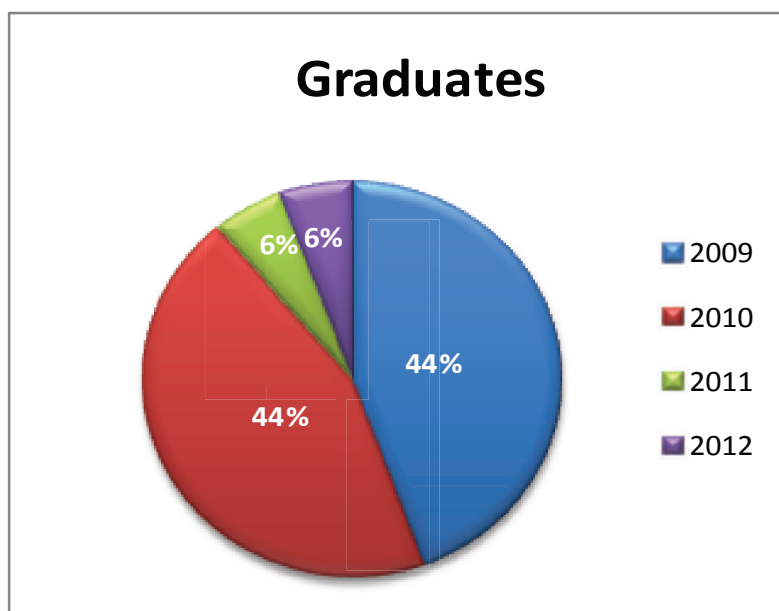
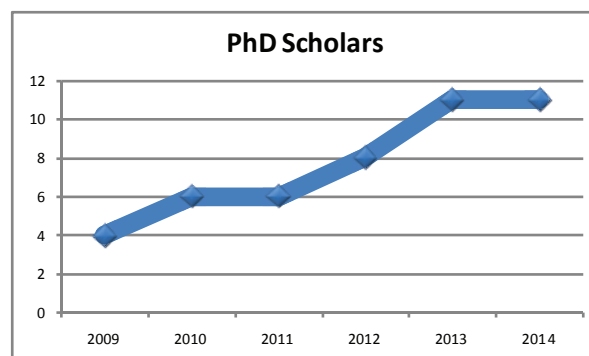
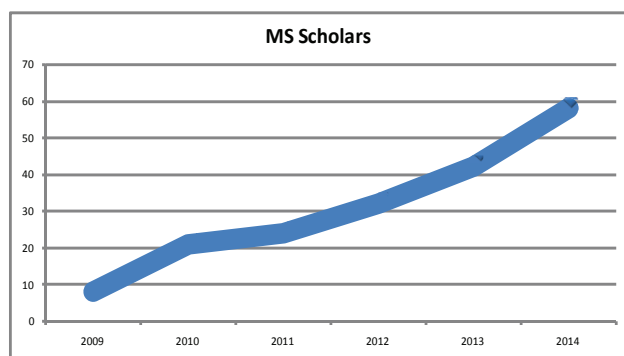
Department	Professors	Associate Professor	Assistant Professor	Instructor	Total
Civil Engineering			<ul style="list-style-type: none"> • Eliseo Ana • Marish Madlangbayan • Richelle Zafra • Marloe Sundo • Perlle Velasco • Melvin Solomon 	<ul style="list-style-type: none"> • Timothy Bertiz • Sunseehtay Tirazona • Joseph Caburnay • Jonathan David Lasco • Jedidiah Joel Aguirre • April Joy Coleta 	12
Chemical Engineering	<ul style="list-style-type: none"> • Rex Demafelis • Jovita Movillon 	<ul style="list-style-type: none"> • Catalino Al-fafara • Myra Borines 	<ul style="list-style-type: none"> • Manolito Bambase Jr. • Monet Concepcion Maguyon-Detras • Marilyn del Barrio • Denise Ester Santiago • Ramer Bautista • Jeane Michelle Valencia • Johanna Marie Dikitanan • Jewel Capunitan 	<ul style="list-style-type: none"> • Butch Bataller • Jerico Alcantara • Gino Guerrero • Michael Vincent Laurio • Rhebner Arocena • Shelah Ramirez • Leandro de Castro 	19
Industrial Engineering			<ul style="list-style-type: none"> • Haerold Dean Layaoen • Diana Marie De Silva • Josefa Angelie Revilla 	<ul style="list-style-type: none"> • Lizbeth Mariano • Clarissa Pesigan • Mark Anthony Baldoz • Kathleen Lee • Mikel Angelo Yap • Marc Immanuel Isip • Micah Ramirez 	10

Department	Professor	Associate Professor	Assitant Professor	Instructor	Total
Agricultural Engineering	ABPROD <ul style="list-style-type: none"> Jessie Elauria Arnold Elepaño Ernesto Lozada (Prof. Emeritus) AMD <ul style="list-style-type: none"> Delfin Suministrado Arsenio Resurreccion (Prof. Emeritus) LWRD <ul style="list-style-type: none"> Victor Ella 	ABPROD <ul style="list-style-type: none"> Engelbert Peralta Kevin Yaptenco AMD <ul style="list-style-type: none"> Pepito Bato AFSD <ul style="list-style-type: none"> Moises Dorado LWRD <ul style="list-style-type: none"> Manolo Villano Aurelio Delos Reyes Jr. 	ABPROD <ul style="list-style-type: none"> Ma. Cristine Concepcion Ignacio AMD <ul style="list-style-type: none"> Rossana Marie Amongo Alexander Blastique Arthur Fajardo Ralph Kristoffer Gallegos Mark Keylord Onal Fernando Paras Jr. Omar Zubia AFSD <ul style="list-style-type: none"> Ronaldo Saludes Vicente Ballaran Jr. Study Leave: <ul style="list-style-type: none"> Marion Lux Castro LWRD <ul style="list-style-type: none"> Joan Cecilia Catubig Rosa De los Reyes Roger Luyun Jr. Antonio Sobremisana 	AFSD <ul style="list-style-type: none"> Kirby Millare Patrick Relativo LWRD <ul style="list-style-type: none"> Jeffrey Gonzales Study leave: <ul style="list-style-type: none"> Maurice Duka 	31
Electrical Engineering			<ul style="list-style-type: none"> Roderick Catriz Annie Liza Pintor 	<ul style="list-style-type: none"> Rodolfo Aguirre Jr. Elvin Dulce Adrian Augusto Sumalde Karen-Christian Agno Jason Corpuz Rommel Parmis Athena Lavega John Paul Ramoso Aryan Paula Manalo Adrian Quicoy Melvin Ilang-Ilang Kristel Mae Villasin Benjamin Jonas Beltran 	15
Engineering Science			<ul style="list-style-type: none"> Adeliza Dorado Erwin Escobar Ariel Glorioso Maria Morissa Lu Julius Rhoan Lustro Aileen Grace Ongkiko Marvin Samaniego Paolo Rommel Sanchez Paul Michael Tarnate Jasmin Vasquez Donna Wren Libunao 	<ul style="list-style-type: none"> Felix Rey Bueta Maricris Cunanan Emil Rey Datul Glenn Latag Francis Mulimbayan Aidrean Opaco Nina Ricci Nicomel Gianina Martha Tajanlangit Ryo Toyoda Christian Vaso Joey Velarde 	22

ERDT Scholarship

Scholarship	Program of Study	Scholarship Privilege
Engineering Research and Development for Technology (ERDT)	Engineering graduate programs (full-time)	<ul style="list-style-type: none"> Tuition and Fees: actual cost of tuition and fees Stipend: PhP17,000/mo for MS and P25,000/mo for PhD Book Allowance: PhP5,000 per semester Transportation Allowance: 1 roundtrip ticket per year not exceeding PhP10,000 Dissertation (Thesis) Grant: PhP30,000 for MS and PhP60,000 for PhD Research Grant: PhP200,000 for M.S. and PhP400,000 for PhD

There are 69 graduate students who became ERDT scholars since 2009. 56 of them, MS and PhD, are under the Agricultural Engineering degree program, 8 are under Agrometeorology degree program, and five scholars are under Chemical Engineering degree program.



So far, the ERDT program has produced 18 graduates since its institution in the college. 16 scholars have graduated in 2009 and 2010.

Faculty Pursuing Higher Studies

As a part of the Staff Development Program, the College also aides its faculty members in pursuing higher studies. To make sure that there will be enough faculty members to attend to students, the College strategically allows 25% of the total faculty per department to take higher studies.

Name	Department/ Unit	Duration	Remarks
Gianina Martha A. Anit	ES Department	11/9/11 to 5/31/12	To pursue graduate studies leading to the degree of MS Material Science and Engineering at UP Diliman
Adeliza A. Dorado	ES Department	11/1/11 to 10/31/12	To continue graduate studies leading to PhD in Agricultural Engineering at UPLB as sponsored by ERDT-DOST
Antonio Gabino P. Sobremisana	LWRD, IAE	1/1/12 to 5/31/12	To continue graduate study leading to PhD in Civil Engineering at the North Caroline State University, USA
Mona Liza F. delos Reyes	LWRD, IAE	1/1/12 to 12/31/12	To continue graduate studies leading to a PhD degree in Hydraulic Engineering Land and Water Resources Development at UNESCO-IHE Delft, The Netherlands sponsored by the Netherlands Fellowship Program (NFP)
Myra G. Borines	ChE Department	2/29/12 to 10/31/12	To pursue graduate studies leading to the degree of PhD in Chemical Engineering
Antonio Gabino P. Sobremisana	LWRD, IAE	1/1/12 to 5/30/12	Extension of study leave
Moises A. Dorado	AFSD, IAE	4/10/12 to 5/8/2012	To consult with dissertation doctor adviser at Tokyo University of Agriculture, Tokyo, Japan as sponsored by SEARCA
Marloe B. Sundo	CE Department	6/1/12 to 5/31/13	To pursue doctoral degree (PhD) at the College of Engineering at University of the Philippines, Diliman, Quezon City sponsored by DOST – ERDT
Monet Concepcion C. Maguyon	ChE Department	6/1/12 to 5/31/13	To pursue studies leading to the degree of Doctor of Philosophy in Biological and Agricultural Engineering at the Texas A & M University, Texas, USA. Extension of study leave with pay
Gianina Martha A. Anit	ES Department	6/1/12 to 5/31/13	To pursue graduate studies leading to the degree of MS in Materials Science and Engineering at UP Diliman sponsored by ERDT. (Extension of leave with pay.)
Marc Immanuel G. Isip	IE Department	6/1/12 to 5/31/13	To continue graduate studies leading to MS in Industrial Engineering at De La Salle University, Taft, Manila sponsored by ERDT
Francis M. Mulimbayan	ES Department	6/1/12 to 5/31/13	To pursue graduate studies leading to the degree of MS in Material Science and Engineering at UP Diliman sponsored by ERDT. Study leave with pay
Rodolfo A. Aguirre Jr.	EE Department	6/3/12 to 5/31/13	To pursue graduate program leading to a Master of Science degree in Electrical Engineering at UP Diliman
Marion Lux Y. Castro	AFSD, IAE	6/1/12 to 5/31/13	Study leave for PhD program in Environmental Engineering at UP Diliman as sponsored by ERDT-DOST

Name	Department/ Unit	Duration	Remarks
Antonio Gabino P. Sobremisana	LWRD, IAE	6/1 to 8/31/12	To continue graduate studies leading to PhD in Civil Engineering at the North Carolina State University, USA
Nina Karla M. Alparce	ABPROD, IAE	7/1/2012 to 10/31/13	To pursue MS degree
Florentino B. dela Cruz	ES Department	6/1/12 to 12/31/12	To continue graduate study leading to PhD in Civil Engineering at North Carolina State University, USA under assistantship program of North Carolina State University
Antonio Gabino P. Sobremisana	LWRD, IAE	6/1 to 7/31/12	To continue his graduate study leading to PhD in Civil Engineering at the North Carolina State University under North Carolina State University Graduate Research Assistantship
Omar F. Zubia	AMD, IAE	6/1/12 to 5/31/12	To pursue advanced degree (PhD) in Agricultural Engineering at UPLB
Sunseehray Alessandra B. Tirazona	CE Department	11/5/12 to 5/31/13	To pursue MS at the College of Engineering UP Diliman, Quezon City. With approved ERDT scholarship for two years as evaluated by the ERDT Project Leader of UP Diliman
Francis M. Mulimbayan	ES Department	6/1/12 to 5/31/13	To pursue graduate studies leading to an MS in Material Science and Engineering at UP Diliman sponsored by ERDT
Marion Lux Y. Castro	AFSD, IAE	6/1/12 to 5/31/13	To pursue graduate studies leading to a PHD degree in Environmental Engineering at UP Diliman sponsored by ERDT
Gianina Martha A. Anit	ES Department	6/1/12 to 5/31/13	To pursue graduate studies leading to a Master of Science Degree in Materials Science and Engineering at UP Diliman sponsored by ERDT (Extension)
Adeliza A. Dorado	ES Department	11/1/12 to 5/31/13	To continue graduate study leading to PhD in Agricultural Engineering at the UPLB as sponsored by ERDT-DOST
Monaliza F. delos Reyes	LWRD, IAE	1/1/13 to 12/31/13	To continue graduate studies leading to a PhD degree in Hydraulic Engineering at UNESCO-IHE, Delft, The Netherlands sponsored by the Netherlands Fellowship Programme
Monet Concepcion C. Maguyon	ChE Department	6/1/12 to 5/31/13	Extension of study leave to continue graduate studies leading to a PhD degree in Biological and Agricultural Engineering at the Texas A & M University, Texas, USA
Nina Karla M. Alparce	ABPROD, IAE	6/1/13 to 5/31/14	Extension of study leave – Food Engineering and Bioprocess Technology. Sponsor: Asian Development Bank – Japan Scholarship Program (ADB – JSP)
Marloe B. Sundo	CE Department	6/1/13 to 5/31/14	Extension of study leave leading to PhD in Civil Engineering at College of Engineering UP Diliman, Quezon City
Sunseehray Tirazona	CE Department	6/1/13 to 5/31/14	Renewal of study leave leading to MS in Civil Engineering at the College of Engineering, UP Diliman, Quezon City
Francis M. Mulimbayan	ES Department	6/1/13 to 5/31/14	To pursue graduate studies leading to the degree of MS Degree in Materials Science and Engineering at UP Diliman as sponsored by ERDT.

Name	Department/ Unit	Duration	Remarks
Gianina Martha A. Anit-Tajanlangit	ES Department	6/1/13 to 5/31/14	To pursue graduate studies leading to the degree of MS Degree in Material Science and Engineering at UPD as sponsored by ERDT
Monet Concepcion C. Maguyon	ChE Department	6/1/13 to 1/31/13	To pursue studies leading to the degree of Doctor of Philophy in Biological and Agricultural Engineering at the Texas A & M University
Marc Immanuel G. Isip	IE Department	6/1/13 to 10/31/13	To continue graduate study to MS in Industrial Engineering at De La Salle University, Taft Avenue, Manila as sponsored by ERDT
Ramer P. Bautista	ChE Department	6/1/13 to 5/31/14	To pursue graduate studies leading to the degree of PhD in Chemical Engineering
Elvin C. Dulce	EE Department	6/1/13 to 5/31/14	To pursue graduate studies leading to MS degree in Electrical Engineering at UPDiliman as sponsored by ERDT
Ramer P. Bautista	ChE Department	6/1/13 to 5/31/14	To pursue graduate studies leading to the degree of PhD in Chemical Engineering
Marion Lux Y. Castro	AFSD, IAE	5/2/13 to 5/1/14	To conduct research in fulfillment of therequirements of hD dissertation at the Chia Nan University, Tainan, Taiwan as sponsore by the Department ofEnvionmental Resources and Management ChianNan University
Marc Immanuel G. Isip	IE Deparment	11/1/13 to 5/31/14	Extension of study leave to be able to continue MS Industrial Engineering at De La Salle University
Nina Ricci P. Nicomel	ES Department	9/2/13 to 5/31/14	To pursue graduate studies leading to a Master of Science Degree in Environmental Sanitation at the Ghent University, Sint Pieternieuwstraat 33 BE 9000, Ghent, Belgium sponsored by VLIR – UOS
Maricris C. Cunanan	ES Department	11/1/13 to 5/31/14	To pursue graduate studies leading to the degree of MS in Material Science and Engineering at UP Diliman sponsored by ERDT; Study leave with pay
Christian C. Vaso	ES Department	11/1/13 to 5/31/14	To pursue graduate studies leading to the degree of MS Degree in Material Science and Engineering at UPD as sponsored by ERDT
Sunseehray Alessandra B. Tirazona	CE Department	11/1/13 to 5/31/14	To pursue masteral degree in Civil Engineering major in geotechnical engineering at the College of Engineering UP Diliman
Maurice A. Duka	LWRD, IAE	2/16 to 5/31/14	To pursue Master of Engineering Studies as sponsored by New Zealand Government
Nina Karla M. Alparce	ABPROD, IAE	6/1/14 to 7/31/14	Extension of study leave - Food Engineering and Bioprocess Technology, Meng Program in AIT, Thailand
Marloe B. Sundo	CE Department	6/1/14 to 5/31/15	To finish PhD degree in Civil Engineering at UPDiliman.
Marion Lux Y. Castro	AFSD, IAE	5/2/14 to 7/31/15	To continue graduate studies leading to a PhD degree in Environmental Engineering at UP Diliman sponsored by ERDT-DOST
Karen Christian C. Agno	EE Department	7/1/14 to 6/30/15	To pursue graduate program on renewable energy (Mastr of Energy) at the University of Auckland, Auckland, New Zealand sponsored by New Zealand ASEAN Scholarship

Name	Department/ Unit	Duration	Remarks
Christian C. Vaso	ES Department	6/1/14 to 7/31/15	To pursue graduate studies leading to the degree of MS in Material Science and Engineering at UP Diliman sponsored by ERDT
Maricris C. Cunanan	ES Department	6/1/14 to 7/31/15	Extension of study leave to pursue MS in Materials Science and Engineering at UP Diliman sponsored by ERDT
Denise Ester Santiago	ChE Department	8/1/14 to 7/31/15	To pursue graduate studies leading to PhD in Chemical Engineering at UP Diliman under Engineering Research and Development for Technology (ERDT)
Ramer P. Bautista	ChE Department	6/1/14 to 7/31/15	Extension of study leave to pursue graduate studies leading to the degree of PhD in Chemical Engineering.
Mark Anthony M. Baldoz	IE Department	8/1/14 to 7/31/15	Extension of study leave – MSIE at UP Diliman.
Kathleen B. Lee	IE Department	8/1/14 to 7/31/15	Extension of study leave – MSIE at UP Diliman
Joseph M. Caburnay	CE Department	9/5/14 to 7/31/15	Study leave to take an MS degree in Water Resources Engineering - Catholic University of Leuven, Belgium
Sheilah G. Ramirez	ChE Department	8/1/14 to 12/31/14	Study leave to finish MS degree in Chemical Engineering
Ramer P. Bautista	ChE Department	8/15/14 to 7/31/15	Visiting Research Scholar at the University of Waterloo, Ontario, Canada to complete PhD dissertation as sponsored by PCIERRD, DOST

Outcomes-Based Education (OBE) & K to 12

CHED defines outcomes-based education (OBE) as an approach that focuses and organizes the educational system around what is essential for all learners to know, value, and be able to do to achieve a desired level of competence.

The K to 12 Program covers Kindergarten and 12 years of basic education (six years of primary education, four years of Junior High School, and two years of Senior High School [SHS]) to provide sufficient time for mastery of concepts and skills, develop lifelong learners, and prepare graduates for tertiary education, middle-level skills development, employment, and entrepreneurship.

CEAT is adopting to the changes in our country's educational system. The revision of the undergraduate and graduate curricula is now on-going. By the end of this year, the curriculum will be finalized as OBE format.

ASEAN University Network (AUN) Accreditation

The ASEAN University Network is an Asian university association. It is an arrangement among thirty universities in the ten ASEAN countries. The College has been working on being a member of this association. A major advantage of being accredited by AUN is that our engineers will no longer have to retake the licensure examinations in other countries. As of now, the Institute of Agricultural Engineering will be submitting the papers for evaluation this December. The revised AUN-QA model for programme level encompasses the following 15 criteria:

1. Expected learning outcomes
2. Programme specification
3. Programme structure and content
4. Teaching and learning strategy
5. Student assessment
6. Academic staff quality
7. Support staff quality
8. Student quality
9. Student advice and support
10. Facilities and infrastructure
11. Quality assurance of teaching and learning process
12. Staff development activities
13. Stakeholders feedback
14. Output
15. Stakeholders satisfaction



Building and Facilities Improved

Department of Industrial Engineering

Status (As of August 2014)	Budget Awarded (Php)	Proponents	Program	Date
Completed	8,216,400-3,000,000	Proposal: HTManaligod Approval: AADelos Reyes Construction: HDZLayaoen/MABYap	Construction of proposed classrooms, IED Building	April 2011
Completed	8,219,900-2,500,000	HDZLayaoen/ MABYap	Tools, equipment, & other facilities for approved IED extension	May 2012
Ongoing (Partially completed)	9,104,000 – 1,184,684.94	HDZLayaoen/ MABYap	Rehabilitation & repair of IED Building (materials)	March 2013
Completed	9,104,000 – 350,000	HDZLayaoen/ MABYap	Installation of Security Grills	May 2013
Ongoing	8,216,400 – 339,464.53	HDZLayaoen/ MABYap	Construction of Faculty room extension & aisle between classrooms	September 2013
Completed	164-9,301,032 – 230,000.00 101-3,200,001 – 150,000.00	HDZLayaoen/ MABYap	Procurement & installation of CCTV system & replacement of equipment	November 2013
Ongoing	9,301,100 – 299,625.00	HDZLayaoen/MABYap	Rehabilitation & repair of IED Building (labour)	February 2014
Ongoing	8,216,400 – 609,566.92	HDZLayaoen/MABYap	Re-appropriation of additional funds for “Construction of Faculty room extension & aisle between classrooms”	April 2014
Ongoing	101-320,001 – 61,209.34	HDZLayaoen/ MABYap	Standardized Building Signage	April 2014
Ongoing	8,222,700-108,966.00	HDZLayaoen/ MABYap	Fire Emergency Supplies & Equipment	June 2014

Department of Engineering Science

Renovation Project	Funding Received (Php)	Completion status
Tiling of classrooms, laboratories, and hallways in CEAT Building B	628, 538.75	90 % complete
Tiling of hallways in CEAT Building A	137, 800.75	90 % complete
CEAT Lecture Hall renovation (tiling work, repair and re-varnishing of tables and chairs, installation of LED lights, provision of back-up LCD projector, provision of curtains)	725, 191	60 % complete (ceiling repairs, installation of LED lights, and re-varnishing of tables and chairs delayed by the delivery of materials)
Waterproofing, construction of parapet wall, and repainting of CEAT Building A	1, 050, 839.37	Bidding in-progress
Roof re-structuring, roof deck and parapet wall waterproofing, and repainting of exterior walls of CEAT Building B	2, 282, 576.34	Detailed construction plans completed in August 2012; funding approval promised in 2015

Equipment	Funding Received (Php)	Completion status
200 pcs plastic arm chairs with metal frame	360, 000	100% complete
computers (15 units) and peripherals	655,000	Purchases in progress
6 pcs projectors	150,000	Purchase in progress

As a consequence of the growing number of students and course offerings, the need to re-organize and create new classrooms and laboratories emerged. The summary of activities conducted to address this need is summarized below:

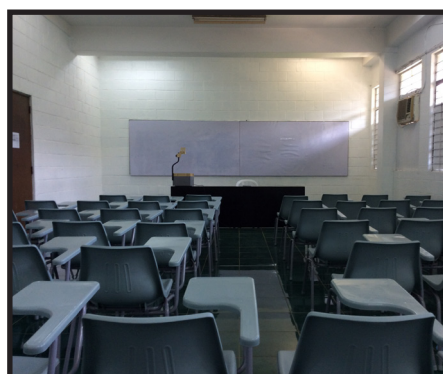
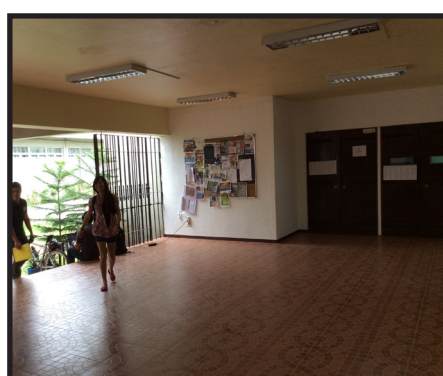
A previously unutilized (and deteriorating) room in CEAT Building B--- the LRC Room---was re-commissioned to become the existing ENSC 10b laboratory.

Two very small adjacent rooms (B-104 and B-106) were merged, remodelled, and renovated to become one lecture room capable of accommodating 40 students.

Room B-205, which needed massive renovation, was re-commissioned.

One very large computer laboratory (B-200) was divided to become two computer laboratories. One is already being utilized, while the other is being prepared for the hybrid ENSC 10b- ENSC 26 laboratory. The following improvements were also made:

- All classrooms and laboratories are air-conditioned
- CEAT Building B Lobby Renovated
- Cleaner, safer, more orderly office even with more faculty members



Office of the College Secretary Modernization

The OVCAA provided the following to the OCS for the use of students during registration period:

Equipments and Supplies from OVCI Fund Code: 8219900

Items	Date Acquired	Unit Price	Total Price
3 pcs heavy duty industrial fans	1/30/2013	6,000.00	18,000.00
12 pcs plastic chairs	1/28/2013	250.00	3,000.00
4 pcs table (foldable) plastic	5/24/2013	4,500.00	18,000.00
GRAND TOTAL			39,000.00

The CEAT-OCS received the following equipment and office furniture as part of the OCS Modernization program of the administration:

Equipment and Supplies from OVCI Fund Code: 8222500

Items	Date Acquired	Unit Price	Total Price
1 pc Samsung flat screen LED tv	2/10/2014	33,000.00	33,000.00
1 pc MURATEC MFX2010 CopierMachine	2/28/2014	90,000.00	90,000.00
2 pcs HP P1102W Laserjet Printer	3/13/2014	6,880.00	13,760.00
2 pcs cabinet, steel storage 4 layers	2/27/2014	10,850.00	21,700.00
7 pcs cabinet, filling steel	2/27/2014	19,950.00	139,650.00
1 pc computer MacnookPRO- 13 inch	3/31/2014	57,000.00	57,000.00
GRAND TOTAL			355,110.00

Other Building Renovations



The Electrical Engineering Auditorium has been renovated this year. The walls were repainted and the ceilings were fixed. This has been one of the most used lecturehalls for large classes.



The following are the major renovations that are in pipeline:

- ABPROD Building
- LWRD and AFSD
- Chemical Engineering Biofuels
- Electrical Engineering Building - Phase 2



Improve research's volume, income, industry academe linkages, and reputation

We are continuously working to improve research through the following goals: engage everybody, foster senior-junior faculty interaction, pursue marketing of CEAT programs and technologies, explore funding models, provide additional incentives/support services to faculty and staff and reward productive individuals. We have a number of papers that have been presented in conferences and seminars both locally and internationally. To further contribute to the pool of knowledge of engineering, the college has completed and continue to conduct significant researches and projects.

Papers Presented in Conferences, Seminars, Fora

Department of Civil Engineering

Date	Author(s)	Title	Conference/Seminar Details
September 2013	Madlangbayan, MS, Caburnay, JM, Zafra RG, and Ana EV	Influence of Curing Time on The Electrical Resistivity of Concrete Containing Crystalline Rice Husk Ash	ATTARS Seminar Workshop on Waste Materials
September 2013	Lasco, JDD and Madlangbayan, MS	Investigation on the Compressive Strength and Bulk Density of Concrete Hollow Blocks (CHB) with Polypropylene Pellets as Partial Replacement for Sand	ATTARS Seminar Workshop on Waste Materials
2013	Richelle G. Zafra	Seismic Performance of Reinforced Concrete Bridge Columns based on Full-scale Shake-table Experiments	International Conference on Earthquake Engineering-50 Years Skopje Earthquake & 50 Years European Earthquake, Skopje, Macedonia
2013	Richelle G. Zafra	Seismic Performance of a Full-scale Polypropylene Fiber Reinforced Cement Composite Bridge Column based on E-Defense Shake-table Experiments	International Symposium for Bridge Earthquake Engineering, Tokyo, Japan

Date	Author(s)	Title	Conference/Seminar Details
2012	Richelle G. Zafra	Effect of Polypropylene Fiber Reinforced Concrete for Enhancing the Seismic Performance of Bridge Columns	15th World Conference on Earthquake Engineering, Lisbon, Portugal.
2012	Richelle G. Zafra	Effect of Polypropylene Fiber Reinforced Cement Composites for Enhancing the Seismic Performance of a Full-scale Bridge Column Based on E-Defense Shake-Table Excitation	9th International Conference on Urban Earthquake Engineering/4th Asia Conference on Earthquake
2012	Richelle G. Zafra	Shake-Table Experiments of a Full-Scale Polypropylene Fiber Reinforced Cement Composite Bridge Column using E-Defense	Advanced Research Center for Seismic Experiments and Computations, Tokyo, Japan.
September 2013	Madlangbayan, MS, Caburnay, JM, Zafra RG, and Ana EV	Influence of Curing Time on the Electrical Resistivity of Concrete Containing Crystalline Rice Husk Ash	ATTARS Seminar Workshop on Waste Materials
September 2013	Lasco, JDD and Madlangbayan, MS	Investigation on the Compressive Strength and Bulk Density of Concrete Hollow Blocks (CHB) with Polypropylene Pellets as Partial Replacement for Sand	ATTARS Seminar Workshop on Waste Materials

Department of Chemical Engineering

Date	Author(s)	Title	Conference/Seminar Details
February 16-18, 2011	Demafelis, R.B., J.L. Movillon, M.C.C. Maguyon, A.E. Parao, B.G. Bataller, F.R.C. Icao, E.A. Bito-onon	Optimization on the Production of Biodiesel (Methyl Ester) from KOH and NaOHCatalyzedTransesterification of Moringaoleifera L. Seed Oil	72 nd PICHe National Convention. L' Fisher Hotel, Bacolod City, Philippines
January 2012	Demafelis, R.B. Layaoen, H.L.	Efforts towards the Commercial Mainstreaming of Sweet Sorghum as a Complementary Bioethanol Feedstock in the Philippines	Philippine International BioEnergy Conference. Manila Hotel, Philippines. January 12-13, 2012.
January 2012	Borines, M.G., de Leon, R.I., Cuello, J.L.	Fermentation study on <i>Sargassum spp.</i> for sustainable bioethanol production	15 th Annual Energy, Utility & Environment Conference. PhoenixConvention Center, Phoenix, Arizona, USA.
February 15-17, 2012	Demafelis, R.B., Elepaño, A.R., Badayos, R.B., Pampolina, N.M., Dorado, M.A., Bataller, B.G., Baticados, E.J.	Potential Bioenergy Production from Major Agricultural Residues in the Philippines	73 rd PICHe National Convention. Tavern Hotel, Surigao, Philippines.
February 2012	Demafelis, R.B., Elepaño, A.R., Badayos, R.B., Pampolina, N.M., Dorado, M.A. Bataller, B.G.	Feasibility Study on the Production of Cellulosic Ethanol in the Philippines	73 rd PICHe National Convention. Tavern Hotel, Surigao, Philippines.
February 2012	Borines, M.G., de Leon, R.I., Cuello, J.L.	Dilute acid pretreatment and enzyme saccharification of the Philippine <i>Sargassum spp.</i>	11 th East-WestCenter International Graduate Student Conference on the AsiaPacificRegionImnCenter, Honolulu, Hawaii.
March 2012	Maguyon, Monet Concepcion C., S.C. Capareda	Evaluation of the Direct Pyrolysis of Nanochloropsisoculata Based on Products Yields and Characteristics	2012 Student Research Week Texas A&M University College Station, Texas, USA
April 2012	Demafelis, R.B. Layaoen, H.L.	Efforts towards the Commercial Mainstreaming of Sweet Sorghum as a Complementary Bioethanol Feedstock in the Philippines.	Strengthening Rainfed Agriculture Research, Development and Extension in the Visayas. Bohol Island State University, Bohol, Philippines.

Date	Author(s)	Title of Paper	Conference Details
May 2012	Borines, M.G.	The potential of macroalgae as biomass resource for bioethanol production.	Philippine Institute of Chemical Engineers-Laguna Greenery Technical Symposium on Green Alternative Energy. Malayan Colleges, Laguna.
August 2012	Demafelis, R.B.	Establishing the Competitiveness of Sweet Sorghum as a Complementary Bioethanol Feedstock: Based on Commercial scale production and processing experiences in Negros Occidental	8 th Agriculture and Fisheries Technology Commercialization Forum and Product Exhibition and 25 th BAR Celebration. SM Mega Mall, Pasig City, Philippines.
September 2012	Borines, M.G., de Leon, R.I., Cuello J.L.	Bioethanol production from the macroalgae <i>Sargassum</i> spp.	5 th International Conference on the Challenges in Environmental Science and Engineering. RACV City Club, Melbourne, Victoria, Australia.
February 22, 2013	Demafelis, R.B.	The Status and Direction of the Philippine Biofuel Industry	74 th PIChE National Convention. La Piazza Hotel and Convention Center, Legazpi City, Philippines.
February 21, 2013	Demafelis, R.B., J.L. Movillon, B.G. Bataller, K.A. Horani, R.S. Bitare Jr., S.D. Aquino	Commercial Bioethanol Production from Sweet Sorghum The Philippine Experience: First in Southeast Asia	74 th PIChE National Convention. La Piazza Hotel and Convention Center, Legazpi City, Philippines.
February 21, 2013	Demafelis, R.B., A.R. Elepaño, N.M. Pampolina, R.B. Badayos, M.A. Dorado, B.G. Bataller, E.J.N. Baticados	Potential Bioenergy Production from Philippine Forest Resources	74 th PIChE National Convention. La Piazza Hotel and Convention Center, Legazpi City, Philippines.
March 2013	Maguyon, Monet Concepcion C., S.C. Capareda	Optimization of Bio-oil Production from Pyrolysis of Whole Algal Biomass	2013 Student Research Week Texas A&M University College Station, Texas, USA
July 2013	Teves, K.L.Y., Movillon, J.L.	Juice Extraction, Clarification and Physico-Chemical Characterization of Muscovado Sugar Using Ten High Yielding Sugarcane Varieties	Proceedings of the 2013 International Conference on Agriculture and Animal Sciences, Sri Lanka Foundation Institute (SLFI), Colombo, Sri Lanka.
July 2013	Maguyon, M.C.C., Capareda, S.C.	Optimization of Biooil Production from Pyrolysis of Whole Algal Biomass	Paper presented at the 2013 ASABE Annual International Meeting Kansas City, Missouri, USA
October 2013	Teves, K.L.Y, Dizon, E.I., MOVILLON, J.L., Teves, A.M.	Microbial, Physicochemical and Shelf-life Evaluation of Muscovado in Different Packaging Materials at Various Storage Time	International Conference on Food and Agricultural Sciences-ICFAS 2013, Melaka, Malaysia; co-sponsored by Asia-Pacific Chemical, Biological & Environmental Engineering Society (APCBEEs)
October 29-30, 2013	Demafelis, R.B.	Initiatives Towards a Low Carbon University	International Symposium on Low Carbon Network, Malaysia
September 12, 2013	Demafelis, R.B.	Research and Development Status In the Philippine Biofuels Industry	2013 Philippine Statistical Association, Inc., Puerto Princesa, Palawan, Philippines
May 22-23, 2013	Demafelis, R.B.	Bioethanol Production from Different Feedstocks	1 st Quarter National Corn Program Performance Review and Planning Workshop, Department of Agriculture, Cagayan Valley Region, Philippines
February 2014	Borines, M. G., McHenry, M. P., de Leon, R. L.	Integrated macroalgae production for sustainable bioethanol, aquaculture and agriculture in Pacific island nations	75 th PIChE National Convention. Manila Hotel, Manila, Philippines
May 2014	Enriquez, K.S., Valencia, J.M.T., Barraquio, V.L., Alfara, C.G., del Barrio, M.C., Demafelis, R.B. Elegado, F.B.	Optimization and Kinetics of Batch Lactic Acid Fermentation in Nutrient Supplemented Cheese Whey	Philippine Society for Microbiology Convention, Cebu City, Philippines

Date	Author(s)	Title of Poster Paper	Conference Details
2014	Amongo, R.M.C., M.V. L. Larona, V.A. Rodulfo, Jr., A.C. Del Rosario, J.D. De Ramos, A.G M. Castalone, M.F.V. Eusebio, A. A. Borja and J.M C. Amongo	Level of Mechanization in the Production-Postproduction Systems of Rice and Corn in Leyte Province	64th PSAE Annual National Convention and 11th International Agricultural Engineering Conference and Exhibition, VSU Convention Center, Visayas State University, Baybay, Leyte, April 21-26, 2014
2014	Amongo, R.M.C., M.V. L. Larona, V.A. Rodulfo, Jr., A.C. Del Rosario, J.D. De Ramos, A.G M. Castalone, M.F.V. Eusebio, A. A. Borja and J.M C. Amongo	Level of Mechanization in the Production-Postproduction Systems of Rice and Corn in Iloilo Province	64th PSAE Annual National Convention and 11th International Agricultural Engineering Conference and Exhibition, VSU Convention Center, Visayas State University, Baybay, Leyte, April 21-26, 2014
2014	RPangan, RS, KFYaptengco, SPardua, ELOlapitan	Design and Development of a Hybrid dryer for a More Efficient Drying of Sea Cucumber	64th PSAE Annual National Convention and 11th International Agricultural Engineering Conference and Exhibition, VSU Convention Center, Visayas State University, Baybay, Leyte, April 21-26, 2014
2014	Larona, M.V.L., Amongo, R.M.C., V.A. Rodulfo Jr., A.C. Del Rosario, J.D. De Ramos, A.G M. Castalone, M.F.V. Eusebio, A. A. Borja and J.M C. Amongo	Ownership and Utilization of Agricultural Machines in Rice Production and Postproduction Systems in Selected Provinces of the Philippines	Poster presented at the UPREPSS 1st Annual Scientific Conference on 27-28 March 2014, ICOPED Auditorium, CEM, UPLB, College, Laguna, Philippines.
2013	Asuncion, Fei Xyza B., Rossana Marie C. Amongo, Delfin C. Suministrado and Leonardo M. Florece	Characterization and Properties Evaluation of Seaweeds (Sargassum spp.) Biomass Briquettes as Fuel.	2nd ERDT Congress. Philippine International Convention Center, Manila, Philippines. June 14, 2013.
2013	Yadao Rex O, Rossana Marie C. Amongo	Development of Sugarcane Mechanical Planter	2nd ERDT Congress. Philippine International Convention Center, Manila, Philippines. June 14, 2013.
2013	Amongo, R. M. C., Fajardo, A. L., Suministrado, D. C., Gallegos, R. K. B., Onal M. K. S., and L. S. Escoses.	Evaluation of a Local Two-wheel Tractor Powered by Diesel Engine with Different Power Ratings	10th International Agricultural Engineering Conference & Exhibition, 63rd PSAE Annual Convention & 24th Agricultural Engineering Week .CSU, Cagayan, Phils April 22-26, 2013
2013	Dela Cruz, Jerome L., Arthur L. Fajardo, Rossana Marie C. Amongo & Delfin C. Suministrado	Matching and Performance Evaluation of Electric Generating System for a Pump-as-Turbine Micro-Hydro Set-up.	10th International Agricultural Engineering Conference & Exhibition, 63rd PSAE Annual Convention & 24th Agricultural Engineering Week .CSU, Cagayan, Phils April 22-26, 2013
2013	Pangan RS, AL Fajardo, RKB Gallegos, DC Suministrado, JCS Deanon	Design and Development of a Granulator for a More Efficient Drying of Cassava	10th International Agricultural Engineering Conference & Exhibition, 63rd PSAE Annual Convention & 24th Agricultural Engineering Week .CSU, Cagayan, Phils April 22-26, 2013
2013	Rodulfo, V. A. Jr.	Design and Development of Mini Corn Mill	10th International Agricultural Engineering Conference & Exhibition, 63rd PSAE Annual Convention & 24th Agricultural Engineering Week .CSU, Cagayan, Phils April 22-26, 2013
2013	San Juan, Elisa R., Rossana Marie C. Amongo, Delfin C. Suministrado, Ronaldo B. Saludes and Mark Keylord S. Onal.	Design Modification and Optimization of Low Head Microhydro System for Electricity Generation.	10th International Agricultural Engineering Conference & Exhibition, 63rd PSAE Annual Convention & 24th Agricultural Engineering Week .CSU, Cagayan, Phils April 22-26, 2013
2013	Onal, Mark Kelord S., Rossana Marie C. Amongo, Ralph Kristoffer Gallegos & Gonzales, Ramjie R.	Design Evaluation of the Two-Wheel Tractor Using the Anthropometric Profile of Male Farmers in Rizal, Philippines	10th International Agricultural Engineering Conference & Exhibition, 63rd PSAE Annual Convention & 24th Agricultural Engineering Week .CSU, Cagayan, Phils April 22-26, 2013

Date	Author(s)	Title of Poster Paper	Conference Details
2013	Paras, Fernando Jr. O. Rizalinda de Leon, Delfin C. Suministrado, Arsenio N. Resurreccion, Rectorino Escobin, Ralph Kristoffer Gallegos, Rosssan Marie Amongo	Development of SINAG: A Solar-assisted Incubation System	10th International Agricultural Engineering Conference & Exhibition, 63rd PSAE Annual Convention & 24th Agricultural Engineering Week .CSU, Cagayan, Phils April 22-26, 2013
2012	Asuncion, Fei Xyza B., RMC Amongo, DCvSuministrado, LMvFlorece.	Characterization and Biomass Evaluation of Sargassum Biomass Briquettes as Fuel. (Poster Paper presentation)	62nd PSAE National Convention and 23rd Agricultural Engineering Week, Puerto Prinsesa City, Palawan April 23-27, 2012
2012	Layaoen, Heathel Loren, Z., Pepito M. Bato, Rossana Marie C. Amongo, Marvin C. Petingco & Ralph Kristoffer Gallegos	Utilization Potential of a Sugarcane Juice Extractor for Sweet Sorghum Juice Extraction. (Poster Paper presentation)	62nd PSAE National Convention and 23rd Agricultural Engineering Week, Puerto Prinsesa City, Palawan April 23-27, 2012
2011	RS Pangan, AR Elepaño, JD deRamos and RJ deVela	Development of Primary Post-production Machinery for Jatropha Curcas Seeds.	24th Regional Symposium on Research and Development Highlights. Southern Luzon State University, Lucban, Quezon. August 15, 2011
2011	Onal, Mark Keylord S., Arsenio N. Resurreccion, Rossana Marie C. Amongo, Delfin C. Suministrado & Jessie C. Elauria.	Design of Jeepney-Mounted Three-Bladed Micro Windmill for Rural Off-Grid Area.	9th International Conference and Exhibition & 61st PSAE Annual Convention, & 22nd Agricultural Engineering Week Dapitan City, Zamboanga del Norte, Philippines. April 25-29, 2011
2011	Amongo, Rossana Marie C., Omar F. Zubia, Marvin C. Petingco & Princess Shellane Garcia.	Design Improvement of the Local Two-Wheel Tractor using Anthropometry.	9th International Conference and Exhibition & 61st PSAE Annual Convention, & 22nd Agricultural Engineering Week Dapitan City, Zamboanga del Norte, Philippines. April 25-29, 2011
2011	Rodulfo, Victor Jr. A., Rossana Marie C. Amongo, Marvin C. Petingco, Ralph Kristoffer B. Gallegos, John Bryan M. Constantino	Optimization of the Milling Performance of the AMDP Oil Expeller for Jatropha curcas	9th International Conference and Exhibition & 61st PSAE Annual Convention, & 22nd Agricultural Engineering Week Dapitan City, Zamboanga del Norte, Philippines. April 25-29, 2011

Department of Electrical Engineering

Date	Author(s)	Title of Paper	Conference Details
April 24-26, 2012	Catriz, RL, Amongo, RMC, Fajardo, AL, Juan, CB	Voltage Drop Analysis for Short-Distance Single Wire Earth Return (SWER) Distribution System	62nd PSAE Annual National Convention

Department of Industrial Engineering

Date	Author(s)	Title of Paper	Conference Details
December 2013	Mikel Angelo Yap	Design modification, development, and testing of the UPLB anthropometrically fitted lowland hand-tractor for optimal reduction of HAV exposure of the Filipino farmer	14th Asia Pacific Industrial Engineering and Management System Conference (APIEMS) #4021

Presentor	Title of Paper	Conference Details	Award
Maria Morissa D. Lu	Characterization and performance analysis of nanosilica powders from rice hull ash as moisture sorbents	23-27 April 2012 PSAE Annual National Convention Puerto Princesa, Palawan	
Ma. Cristine Concepcion D. Ignacio	Thermo-physical properties of nanosilica-in-fluid dispersion (nanofluids) derived from rice hull ash	23-27 April 2012 PSAE Annual National Convention Puerto Princesa, Palawan	First place in the Post Harvest Processing and Material Science category
Jasmin Z. Vasquez	Preparation of thermoplastic starch from cassava (<i>Manihotutillisima</i>)	8-12 July 2012 8th International Material Technologies for Sustainability and Innovations in Materials Kuala Lumpur, Malaysia	
Jeffrey Paulo H. Perez	Parameter optimization of two-stage acid hydrolysis of common Philippine perennial grasses and agricultural by-products for xylitol production	20-23 February 2013 74thPICHE National Convention La Piazza Hotel and Convention Center Legazpi City	
Maria Morissa D. Lu	Evaluation of nanosilica powder from rice hull ash used as silicon fertilizer for tomato (<i>Lycopersiconesculaentum</i>)	21-26 April 2014 64th PSAE Annual National Convention and 11th International Agricultural Engineering Conference and Exhibition Visayas State University, Baybay Leyte	
Aileen Grace M. Ongkiko	Demineralization kinetics study of chitin extraction from shells of Philippine Blue swimming crab (<i>Portunuspelagicus</i>)	1-2 August 2014 MICROSPHIL Annual Scientific Conference and General Assembly Advanced Device and Materials Testing Laboratory (ADMATEL), DOST Compound, BicutanTaguig City	3rd Place, Paper Presentation: Life Sciences and Bioengineering Category

Papers Published in Conference Proceedings

Department of Civil Engineering

Date	Author(s)	Title of Paper	Conference Details
2012	Richelle G. Zafra	Effect of Polypropylene Fiber Reinforced Cement Composites for Enhancing the Seismic Performance of a Full-scale Bridge Column Based on E-Defense Excitation	PHILSUTECH Annual National Convention, Waterfront Hotel, Lahug, Cebu City
2012	Richelle G. Zafra	Effect of Polypropylene Fiber Reinforced Concrete for Enhancing the Seismic Performance of Bridge Columns	Proceedings of the 15th World Conference on Earthquake Engineering, Lisbon, Portugal.
2012	Richelle G. Zafra	Effect of Polypropylene Fiber Reinforced Cement Composites for Enhancing the Seismic Performance of a Full-scale Bridge Column Based on E-Defense Shake-Table Excitation	Proceedings of the 9th International Conference on Urban Earthquake Engineering/4th Asia Conference on Earthquake Engineering, Tokyo, Japan
2012	Richelle G. Zafra	Shake-Table Experiments of a Full-Scale Polypropylene Fiber Reinforced Cement Composite Bridge Column using E-Defense	Proceedings of the Advanced Research Center for Seismic Experiments and Computations, Tokyo, Japan.
2013	Richelle G. Zafra	Seismic Performance of Reinforced Concrete Bridge Columns based on Full-scale Shake-table Experiments	International Conference on Earthquake Engineering-50 Years Skopje Earthquake & 50 Years European Earthquake Engineering, Skopje, Macedonia
2013	Richelle G. Zafra	Seismic Performance of a Full-scale Polypropylene Fiber Reinforced Cement Composite Bridge Column based on E-Defense Shake-table Experiments	International Symposium for Bridge Earthquake Engineering, Tokyo, Japan

Department of Chemical Engineering

Date	Author(s)	Title of Paper	Conference Details
June 17-20, 2010	Demafelis, R.B., E.J. del Rosario, F.R.P. Nayve Jr., J.L. Movillon, F.B. Elegado, N.P.M. Obias	Optimization of Dilute Acid Pretreatment and Enzymatic Saccharification of Sugarcane Bagasse Prior to Ethanol Fermentation	PHILSUTECH Annual National Convention, Waterfront Hotel, Lahug, Cebu City
June 1-3, 2011	Barroga, S.Q., R.B. Demafelis, J.L. Movillon, F.B. Elegado, E.V. Carpio, E.J.N. Baticados, F.C. Icao	Development of Evaporation System for Sweet Sorghum Syrup Production	1 st Sweet Sorghum Business Summit and Plantation Showcase, The O' Hotel, Bacolod City
August 2012	Teves, K. L.Y., Movillon, J.L.	Extraction, Analysis and Clarification of Juices from Selected High Yielding Sugarcane Varieties	Proceedings 59 th Annual National Convention of the Philippine Sugar Technologists (PHILSUTECH) Assn., Inc. Waterfront Hotel, Lahug, Cebu City, Philippines
July 2013	Teves, K.L.Y.Movillon, J.L.	Juice Extraction, Clarification and Physico-Chemical Characterization of Muscovado Sugar Using Ten High Yielding Sugarcane Varieties	Proceedings of the 2013 International Conference on Agriculture and Animal Sciences, Sri Lanka Foundation Institute (SLFI), Colombo, Sri Lanka.
July 2013	Maguyon, M.C.C. Capareda, S.C.	Optimization of Biooil Production from Pyrolysis of Whole Algal Biomass	Written for presentation at the 2013 ASABE Annual International Meeting Kansas City, Missouri, USA
October 2013	Teves, K.L.Y, Dizon, E.I., MOVILLON, J.L., Teves, A.M.	Microbial, Physicochemical and Shelf-life Evaluation of Muscovado in Different Packaging Materials at Various Storage Time	International Conference on Food and Agricultural Sciences-ICFAS 2013, Melaka, Malaysia; co-sponsored by Asia-Pacific Chemical, Biological & Environmental Engineering Society (APCBEEs)

Department of Industrial Engineering

Date	Author(s)	Title of Paper	Conference Details
2013	Josefa Angelie D. Revilla, IAG Martinez	Investigation of Learning Remission in Manual Work Given that Similar Work is Performed During the Work Contract Break	Proceedings of the Institute of Industrial Engineers Asian Conference 2013 Pages: 1147-1155
2013	Mikel Angelo Yap	Design modification, development, and testing of the UPLB anthropometrically fitted lowland hand-tractor for optimal reduction of HAV exposure of the Filipino farmer	14th Asia Pacific Industrial Engineering and Management System Conference (APIEMS) 2013 Conference Proceedings Paper #4021
2013	MIG Isip	Effecting Position and Duration in College Students Exam Performance	APIEMS 2013 Conferene Proceedings Paper # 4022
2012	Mikel Angelo Yap	Modification of NIOSH Lifting Equation (1991) Based on the Anthropometric Measurements of Filipino Farmers in Laguna, Philippines	4th International Conference on Applied Human Factors and Ergonomics (AHFE) 2012 at San Francisco California, USA; Conference Proceedings Paper # 1032

Institute of Agricultural Engineering

Date	Author(s)	Title of Paper	Conference Details
2014	Amongo, Rossana Marie C. Ralph Kristofer B. Gallegos, Arthur L. Fajardo, Roderick L. Catriz and Yves Christian R. Suiza	Installation and Performance Evaluation of a 200W Microhydro System at Pulo ni Sara, Maragondon Cavite.	11th International Agricultural Engineering Conference and Exhibition, 64th PSAE National Convention and 25th Philippine Agricultural Engineering Week, Visayas State University, Baybay Leyte. April 21-25, 2014.
2014	Amongo, Rossana Marie C., Mark Keylord S. Onal, Omar F. Zubia, Marvin C. Petingco, Adrian Borja, Jan Marion C. Amongo and Elisa R. San Juan	Anthropometric Profile of Female farmers in CALABARZON and its Application in the Design of Agricultural Machinery	11th International Agricultural Engineering Conference and Exhibition, 64th PSAE National Convention and 25th Philippine Agricultural Engineering Week, Visayas State University, Baybay Leyte. April 21-25, 2014.
2014	Amongo Rossana Marie C., Maria Victoria L. Larona, Victor A. Rodulfo, Jr., Alexis C. del Rosario, Jose D. de Ramos, Angeli Grace M. Castalone, Marck Ferdie V. Eusebio, Adrian A. Borja and Jan Marion C. Amongo.	Level of Mechanization in the Production-Post Production Systems of Rice and Corn in Iloilo Province.	11th International Agricultural Engineering Conference and Exhibition, 64th PSAE National Convention and 25th Philippine Agricultural Engineering Week, Visayas State University, Baybay Leyte. April 21-25, 2014.
2014	Amongo Rossana Marie C., Maria Victoria L. Larona, Victor A. Rodulfo, Jr., Alexis C. del Rosario, Jose D. de Ramos, Angeli Grace M. Castalone, Marck Ferdie V. Eusebio, Adrian A. Borja and Jan Marion C. Amongo	Level of Mechanization in the Production-Post Production Systems of Rice and Corn in Leyte Province.	11th International Agricultural Engineering Conference and Exhibition, 64th PSAE National Convention and 25th Philippine Agricultural Engineering Week, Visayas State University, Baybay Leyte. April 21-25, 2014.
2014	Asuncion, Fei Xyza B., Rossana Marie C. Amongo, Delfin C. Suministrado, and Leonardo M. Florece	Characterization of Sargassum Species in the Province of Cagayan and Properties Evaluation of Sargassum Briquettes as Biomass Fuel.	11th International Agricultural Engineering Conference and Exhibition, 64th PSAE National Convention and 25th Philippine Agricultural Engineering Week, Visayas State University, Baybay Leyte. April 21-25, 2014.

Date	Author(s)	Title of Paper	Conference Details
2014	Gallegos Kristoffer B., Rossana Marie C. Amongo, Arthur L. Fajardo, Roderick L. Catriz and Felen A. Divina	Field Performance of a 400W Micro-hydro System.	11th International Agricultural Engineering Conference and Exhibition, 64th PSAE National Convention and 25th Philippine Agricultural Engineering Week, Visayas State University, Baybay Leyte. April 21-25, 2014.
2014	Ignacio, MCCD, PMO Tarnate, EK Hilario	Characterization of Ethylene Glycol-Deionized Water Based Nanofluid synthesized from Rice Hull Ash	11th International Agricultural Engineering Conference and Exhibition, 64th PSAE National Convention and 25th Philippine Agricultural Engineering Week, Visayas State University, Baybay Leyte. April 21-25, 2014.
2014	Manuel L.J.R. and P.M. Bato	Development of a Fry Counter for Striped Catfish [Pangasianodon hypophthalmus (Sauvage)] using Machine Vision.	11th International Agricultural Engineering Conference and Exhibition, 64th PSAE National Convention and 25th Philippine Agricultural Engineering Week, Visayas State University, Baybay Leyte. April 21-25, 2014.
2014	Onal, Mark Keylord S. Rossana Marie C. Amongo, Omar F. Zubia, Marvin C. Petingco, Adrian Borja, Jan Marion C. Amongo and Elisa R. San Juan	Anthropometric Profile of Male farmers in CALABARZON and its Application in the Design of Agricultural Machinery	11th International Agricultural Engineering Conference and Exhibition, 64th PSAE National Convention and 25th Philippine Agricultural Engineering Week, Visayas State University, Baybay Leyte. April 21-25, 2014.
2014	Pangan, RS, KF Yaptengco, S Pardua, ELO Lapitan	Design and Development of a Hybrid dryer for a More Efficient Drying of Sea Cucumber	11th International Agricultural Engineering Conference and Exhibition, 64th PSAE National Convention and 25th Philippine Agricultural Engineering Week, Visayas State University, Baybay Leyte. April 21-25, 2014.
2014	Petingco, Marvin C., Delfin C. Suministrado, Arnold R. Elepano, Kevin F. Yaptenco and Rossana Marie C. Amongo	Determination of Cold Point in Carabao mango Fruit (Mangifera Indica L.) for Extended Hot Water Treatment.	11th International Agricultural Engineering Conference and Exhibition, 64th PSAE National Convention and 25th Philippine Agricultural Engineering Week, Visayas State University, Baybay Leyte. April 21-25, 2014.
2014	Quilloy E.P. and P.M. Bato	Development of Automated Egg Sorting Machine Based on Weight using Machine Vision and Mechatronics.	11th International Agricultural Engineering Conference and Exhibition, 64th PSAE National Convention and 25th Philippine Agricultural Engineering Week, Visayas State University, Baybay Leyte. April 21-25, 2014.
2014	Quilloy E.P. and P.M. Bato	Development of Software for Estimating Weight of Table Eggs using Machine Vision.	11th International Agricultural Engineering Conference and Exhibition, 64th PSAE National Convention and 25th Philippine Agricultural Engineering Week, Visayas State University, Baybay Leyte. April 21-25, 2014.
2014	San Juan, Elisa R., Rossana Marie C. Amongo, Delfin C. Suministrado, Ronaldo B. Saludes and Mark Keylord S. Onal	Site Selection in Sta. Cruz River Irrigation System for Low head Microhydro System Installation	11th International Agricultural Engineering Conference and Exhibition, 64th PSAE National Convention and 25th Philippine Agricultural Engineering Week, Visayas State University, Baybay Leyte. April 21-25, 2014.
2014	Taplah, Anthony J., Fernando O. Paras, Jr. Delfin C. Suministrado, Rossana Marie C. Amongo and Jessie C. Elauria	Development of a Hot Spring Water Fed Incubator for Duck Eggs	11th International Agricultural Engineering Conference and Exhibition, 64th PSAE National Convention and 25th Philippine Agricultural Engineering Week, Visayas State University, Baybay Leyte. April 21-25, 2014.
2014	Tan CIS, Paras FO, Gallegos RKB, Fajardo AL	Development of an Energy Efficient Artificial Incubator for Small Scale Egg Hatching.	11th International Agricultural Engineering Conference and Exhibition, 64th PSAE National Convention and 25th Philippine Agricultural Engineering Week, Visayas State University, Baybay Leyte. April 21-25, 2014.

Date	Author(s)	Title of Paper	Conference Details
2014	Aranguren, Darwin C. Romulo E. Eusebio, Mary Louise M. Padron, and Delfin C. Suministrado	Performance Evaluation of Locally Available Biomass Shredders in the Philippines	11th International Agricultural Engineering Conference and Exhibition, 64th PSAE National Convention and 25th Philippine Agricultural Engineering Week, Visayas State University, Baybay Leyte. April 21-25, 2014.
2014	Suministrado, Delfin C. Darwin C. Aranguren, Romulo E. Eusebio, Agnes Jan D. Jumamil, Caroline D. Lat, Renita SM. Dela Cruz, Ma. Cecilia R. Antolin and Joanne Ceynas	2013 Profile of Agricultural Machinery Manufacturers and Distributors in the Philippines	11th International Agricultural Engineering Conference and Exhibition, 64th PSAE National Convention and 25th Philippine Agricultural Engineering Week, Visayas State University, Baybay Leyte. April 21-25, 2014.
2014	Manuel, Luther. J. , Darwin. C. Aranguren,, Romulo, E. Eusebio, and Delfin C. Suministrado	Performance Characteristics of Spart Ignition Engines Using Various Alcohol and Gasoline Fuel Blends	11th International Agricultural Engineering Conference and Exhibition, 64th PSAE National Convention and 25th Philippine Agricultural Engineering Week, Visayas State University, Baybay Leyte. April 21-25, 2014.
2014	Aranguren, Darwin. C. , Eusebio, Romulo, E. and Suministrado, Delfin C.	How to Analyze Specifications and Test Data of 4-Wheel Tractors Tested at the Agricultural Machinery Testing and Evaluation Center	11th International Agricultural Engineering Conference and Exhibition, 64th PSAE National Convention and 25th Philippine Agricultural Engineering Week, Visayas State University, Baybay Leyte. April 21-25, 2014.
May 30-31, 2013	San Juan, E.R., RMC Amongo, DC Suministrado, RB Saludes and MKS Onal	Design Modification and Optimization of Low Head Microhydro System for Electricity Generation	2013 International Conference on Alternative Energy in Dev Countries & Emerging Economies, RDI, Thaksin University, Thailand
2013	Flores, FT, KF Yap- tenco, EK Peralta, EP Serrano	Gas Transmission Rates Across 'Carabao' Mango (Mangifera indica L) Peel at Different Stages of Maturity and Ripeness	2013 4th International Conference on Agriculture and Animal Science & 2013 3rd International Conference on Asia Agriculture
2013	Suministrado, Delfin C	Status of Agricultural Mechanization in the Philippines	Regional Forum on Sustainable Agricultural Mechanization in Asia and the Pacific, Qingdao, China, October 26-27, 2013
July 8-12, 2012	Iwabuchi, K., T. Mori, R. Kondo, F. Miyatake, T. Maeda, M. Koki, R.B.Saludes	Lower Limit of Oxygen Supplying Rate for an Energy-saving Composting System of Dairy Manure.	International conference of agricultural engineering. CIGR-Ageng 2012. July 8-12, 2012. Valencia, Spain.
August 2012	Villareal, R.L., E.M.Tecson-Mendoza, V.B. Ella, A.R.Elepaño, P.C.Sta. Cruz, R.B.Badayos, C.P.Mamaril and E.N.Bernardo	Further intensification of agriculture: A must to meet the challenges of agricultural productivity, sustainability and competitiveness.	NAST/Trans.Nat.Acad.Sci.& Tech.(Philippines) Vol.33 (No.2): 253-287 ISSN 0115-8848 (also published on-line)
September 16, 2011	Durante, R., L. Naranja, R.B. Saludes, M.A. Dorado, and P. C. Sta Cru	Capillary flow analysis of selected wick materials for hydroponics system	7th ERDT Conference, ERDT-DOST, Manila Hotel.
September 16, 2011	Onal, Mark Keylord S., Arsenio N. Resurreccion, Rossana Marie C. Amongo, Delfin Suministrado and Jesssie C. Elauria	Design and Optimization of a Jeepney-mounted Three-Bladed Micro Windmill for Battery Charging Applications	7th ERDT Conference, ERDT-DOST, Manila Hotel.

Date	Author(s)	Title of Paper	Conference Details
September 16, 2011	Roger Jay L. de Vela, Arnold R. Elepano, Engelbert K. Peralta and Delfin C. Suministrado	Drying and Color Kinetics of Decor-ticated Queen Pineapple (Ananas comosus (L) Merr.) Fiber Bleached with Hydrogen Peroxide Solution	7th ERDT Conference, ERDT-DOST, Manila Hotel.
2011	Ella,V.B., M.R.Reyes and A.Mercado,Jr.	Soil Quality Monitoring and Evalua-tion Under Conventional Plow-based and Conservation Agriculture Produc-tion Systems in Southern Philippines	International Conference of Agricultural Engi-neering, Valencia, Spain (Published on-line)
August 15-16, 2011	Rodulfo, Victor Jr. A, Maria Victoria L. Larona, Rossana Ma-rie C. Amongo	UPLB-AMDP Farm Mechanization Needs Analysis Status of Agricltrual Mechanization and Its Implication to Global Competitiveness	Harmonozation Workshop on the Level of Phil. Agric. Mech. BSWM,DA.

Agricultural Machinery Testing Evaluation Center

Date	Author(s)	Title of Paper	Conference Details
April 2012	Eusebio R. E., Aranguren, D. C., Follado-Bueno, T.A., Jumamil, A. J. D., and Suministrado, D. C.	Recognizing and Understanding Agri-cultural Machinery Health and Safety Hazards	62nd Annual National Convention of the Philippine Society of Agricultural Engineers (PSAE) Puerto Princesa, Palawan
April 2012	Aranguren D.C., Eusebio, R. E., Jumamil, A. J. D., Padron, M. L. and Sumi-nistrado, D. C.	Performance of Locally Fabricated Blow-ers for the 6-Ton Flatbed Dryers in the Philippines	62nd Annual National Convention of the Philippine Society of Agricultural Engineers (PSAE) Puerto Princesa, Palawan
April 2012	Fajardo, A.L., Eusebio, R.E., D.C. Aranguren and D.C. Suministrado	Fuel Consumption of Selected Engine Pumpsets for STW Irrigation.	62nd Annual National Convention of the Philippine Society of Agricultural Engineers (PSAE) Puerto Princesa, Palawan
April 2013	Suministrado, D. C., Aran-guren, D. C., Eusebio, R. E., Padron, M. L. M., and Quillooy, E. P.,	Standards on Poultry Dressing/Slaugh-tering Plant.	63rd Annual National Convention of the Philippine Society of Agricultural Engineers (PSAE) held in Tuguegarao City, Cagayan
April 2013	Suministrado, D. C., Aran-guren, D. C., Eusebio, R. E.,	Energy Performance of Agricultural Machines in the Philippines	63rd Annual National Convention of the Philippine Society of Agricultural Engineers (PSAE) held in Tuguegarao City, Cagayan
April 2013	Aranguren, D. C., Sumin-istrado, D. C.,Eusebio, R. E., Jumamil, A. J. D., and Padron, M. L. M.,	Performance of Locally Fabricated 6-ton Flat Bed Dryers in the Philippines	63rd Annual National Convention of the Philippine Society of Agricultural Engineers (PSAE) held in Tuguegarao City, Cagayan

Papers Presented in Conferences Without Published Proceedings

Institute of Agricultural Engineering

Date	Author(s)	Title of Paper	Conference Details
2014	Amongo Rossana Marie C.	AUN Self Review Assessment: The Case of IAE, CEAT	National Workshop on Higher Education Institutions' (HEIs) Agri-Fisheries Mechanization Research, Development and Extension (RDE) Programs and Agricultural Engineering Education Competitiveness Road Maps EE Audi, CEAT, UPLB. May 29-30, 2014
2014	Amongo Rossana Marie C. and Ma. Victoria L. Larona.	Establishing the Unified RDE Program of HEIs on Agri-Fisheries Mechanization pursuant to R.A. 10601.	National Workshop on Higher Education Institutions' (HEIs) Agri-Fisheries Mechanization Research, Development and Extension (RDE) Programs and Agricultural Engineering Education Competitiveness Road Maps EE Audi, CEAT, UPLB. May 29-30, 2014
2014	Onal, MKS, ANResurreccion, RMCAmongo, DCSuministrado and JCElauria.	Development and Field Testing of Jeepney-mounted Micro WECS for Battery Charging Applications in Naujan, Oriental Mindoro, Philippines.	2nd STCIERD S & T Forum and Competition. Batangas State University Main Campus 1, Batangas City. May 29, 2014.
2014	Amongo Rossana Marie C. and Ma. Victoria L. Larona.	Establishing the Unified RDE Program of HEIs on Agri-Fisheries Mechanization pursuant to R.A. 10601	Assessment Planning Workshop on AE Roadmap. Apacible Hall. PCAF DA. April 2-3, 2014.
2014	Amongo, Rossana Marie C. and Ma. Victoria L. Larona.	Contiguous Farming.	PCAF-AFMeC TWG R&D meeting at PCAF-DA. March 14, 2014.
2014	Amongo, Rossana Marie C.	Elevation of the Agricultural Mechanization Development Program (AMDP) into the Center for Agri-fisheries and Biosystems Mechanization (BIO-MECH).	EXSCITE the UPLB Science and Technology Exhibit. SMX- MOA, Pasay City. March 5, 2014.
2014	Suministrado, Delfin C. , Mary Louise M. Padron, Jasper Ceasar S. Ogana, Darwin C. Aranguren and Romulo E. Eusebio	Testing of Agricultural Machines at the Agricultural Machinery Testing and Evaluation Center (AMTEC)	2014 UPLB Conference on Extension Services (onExtS), UPLB, College, Laguna, August 18, 2014
2013	Ballaran, VG; MA Dorado, and LN Viado	Climate Change Vulnerability Mapping in Selected Municipalities in Laguna, Philippines	The Fourth Asian Conference on the Social Sciences/ International Academic Forum
2013	Pilot Model for a Village-Level Aquaculture Feed Mill for Commercially Cultured Species	National Aquafeeds R&D Program Review cum Industry Consultation, DOST-PCAARRD , U.PV, Iloilo City	National Aquafeeds R&D Program Review cum Industry Consultation, DOST-PCAARRD , U.PV, Iloilo City
2013	Utrera, R.T., A.A. Delos Reyes Jr., R.A. Luyun Jr. and R. B. Saludes	Suitability of groundwater for drinking and irrigation in selected barangays of Batac, Ilocos Norte, Philippines	2nd National Conference and Workshop on Environmental Science/PCES. CHED-TPES, UPLB-SESAM
2013	Gallegos, Ralph Kristoffer B., Rossana Marie C. Amongo, Arthur L. Fajardo, Roderick L. Catriz.	Design, Testing and Installation of Micro-hydro System	AMDP Project Review and Planning cum Workshop, El Cielito, Sta Rosa, Laguna. Dec. 13-14, 2013
2013	Pangan, RS, AL Fajardo, RKB Gallegos, DC Suministrado, JCS Deanon	Design and Development of a Granulator for a More Efficient Drying of Cassava.	PSAE Convention, Cagayan State University, Tuguegarao City.

Date	Author(s)	Title of Paper	Conference Details
2013	Onal, Mark Keylord S., Rossana Marie C. Amongo.	Anthropometric Survey of Farmers in the Calabarzon Area.	AMDP Project Review and Planning cum Workshop, El Cielito, Sta Rosa, Laguna. Dec. 13-14, 2013
2013	Amongo, Rossana Marie C., Maria Victoria L. Larona, Arsenio N. Resurreccion, Romeo B. Gavino, Emmanuel V. Sicat, Ariodear C. Rico, Francia M. Macalintal, and Rodolfo Fernandez	Research, Development and Extension (RDE) and Manpower Development In Rice Mechanization: Status, Trends and Opportunities in the Philippines. (Technical Paper Presentation)	ARF Annual Rice Forum. BSWM, DA, Visayas Ave. Quezon City, Philippines. Nov. 22, 2013
2013	Belonio,A.T., R. F. Orge, C.J.M. Tado, M.J.C. Regalado, V. T. Taylan, F.O. Paras Jr.,R.M.C. Amongo, and B.D. Tadeo	Renewable Energy Technologies for Rice Mechanization.	ARF Annual Rice Forum. BSWM, DA, Visayas Ave. Quezon City, Philippines. Nov.22., 2013 .
2013	Amongo, Rossana Marie C.	Development and Promotion of Small Scale to Medium Scale Corn Mechanization Technologies	Special Symposium and Agritech Showcase: SEARCA November 18, 2013.
2013	Elepaño, A. R., M.V.L. Larona, and R.M.C. Amongo	Overview: Mechanization in Rice Farming - Status, Challenges and Opportunities	ARF Annual Rice Forum. BSWM, DA, Visayas Ave. Quezon City, Philippines. Nov.22, 2013
2013	Gummert, Martin Rashad Hegazy, Boru Douthwhite, Delfin C. Suministrado, Eulito Bautista and Arnold R. Elepano	Mechanization in Rice Farming: Lessons Learned From Other Countries	ARF Annual Rice Forum. BSWM, DA, Visayas Ave. Quezon City, Philippines. Nov.22., 2013 .
2013	Resurreccion, Arsenio N., George Canapi, Joel Panagsagan, and Delfin C. Suministrado	Agricultural Machinery Manufacturing, Credit and Incentives	ARF Annual Rice Forum. BSWM, DA, Visayas Ave. Quezon City, Philippines. Nov.22., 2013 .
2013	Amongo, Rossana Marie C Maria Victoria L. Larona, Marck Ferdie V. Eusebio, Adrian A. Borja, and Jan Marion C. Amongo.	Agricultural Mechanization Policies and Sustainable Agricultural Technology Innovations in the Philippines	9th Session of the Technical Committee of CSAM held in Bhopal, India. Oct. 17-18, 2013.
2013	Amongo, Rossana Marie C. VA Rodulfo, Jr. AC del Rosario, MVL Larona, JD de Ramos, AGM Castalone, MFV Eusebio, AA Borja, JMC Amongo.	Determination of Agricultural Mechanization Level in the Production-Post-production Systems of Rice and Corn in Selected Regions of the Philippines.	34th Agency in-House Research and Development Review, PhilMech. Muñoz Nueva Ecija. May 7 & 8, 2013
2013	Alucilja R., and P.M. Bato	Development of Village-Level Combined Oil Palm Digester and Screw Presser	10th International Agricultural Engineering Conference & Exhibition, 63rd PSAE Annual Convention & 24th Agricultural Engineering Week .CSU, Cagayan, Phils April 22-26, 2013
2013	Amongo, R. M. C., Fajardo, A. L., Suministrado, D. C., Gallegos, R. K. B., Onal M. K. S., and L. S. Escoses.	Evaluation of a Local Two-wheel Tractor Powered by Diesel Engine with Different Power Ratings.	10th International Agricultural Engineering Conference & Exhibition, 63rd PSAE Annual Convention & 24th Agricultural Engineering Week .CSU, Cagayan, Phils April 22-26, 2013
2013	Blastique, Alexander Atienza, Arsenio N. Resurreccion, Rossana Marie C. Amongo, Delfin C. Suministrado and Jessie C. Elauria.	Development of an Improved Pandan (Pandanus simplex Merr.) Leaf Flattener (Part I).	10th International Agricultural Engineering Conference & Exhibition, 63rd PSAE Annual Convention & 24th Agricultural Engineering Week .CSU, Cagayan, Phils April 22-26, 2013

Date	Author(s)	Title of Paper	Conference Details
2013	Castalone AGM, DC Suministrado, RE Eusebio, RMC Amongo, RKB Gallegos	Use of Different Blends of Jatropha curcas as Fuel for the Performance Evaluation of a Four-Wheel Tractor.	10th International Agricultural Engineering Conference & Exhibition, 63rd PSAE Annual Convention & 24th Agricultural Engineering Week .CSU, Cagayan, Phils April 22-26, 2013
2013	Onal, M. K. S., R. M. C., Amongo R. K. B. Gallegos, and R. R. Gonzales.	Design Evaluation of a Two-wheel Tractor Using Anthropometric Profile of Male Farmers in Rizal, Philippines.	10th International Agricultural Engineering Conference & Exhibition, 63rd PSAE Annual Convention & 24th Agricultural Engineering Week .CSU, Cagayan, Phils April 22-26, 2013
2013	Pangan RS, AL Fajardo, RKB Gallegos, DC Suministrado, JCS Deanon	Design and Development of a Granulator for More Efficient Drying of Cassava.	10th International Agricultural Engineering Conference & Exhibition, 63rd PSAE Annual Convention & 24th Agricultural Engineering Week .CSU, Cagayan, Phils April 22-26, 2013
2013	Paras, Fernando O.Jr., A.N. Resurreccion, D.C. Suministrado, R.K.B Gallegos, R.L. deLeon, R.P. Escobin, Jr. and R. M. C. Amongo	Development of SINAG: A Solar-Assisted Egg Incubation System.	10th International Agricultural Engineering Conference & Exhibition, 63rd PSAE Annual Convention & 24th Agricultural Engineering Week .CSU, Cagayan, Phils April 22-26, 2013
2013	Pesino ML, AR Elepano, EK Peralta, JC Elauria JC	Drying and Storage Characteristics of Golden Apple Snail	10th International Agricultural Engineering Conference & Exhibition, 63rd PSAE Annual Convention & 24th Agricultural Engineering Week .CSU, Cagayan, Phils April 22-26, 2013
2013	Romero, J. P. T., R. K. B.Gallegos, R. M. C Amongo, and D. C. Suministrado.	Establishment of Reach Envelope of CALABARZON Male Farmers for Agricultural Machine Design.	10th International Agricultural Engineering Conference & Exhibition, 63rd PSAE Annual Convention & 24th Agricultural Engineering Week .CSU, Cagayan, Phils April 22-26, 2013
2013	San Juan ER, RMC Amongo, DC Suministrado, RB Saludes, MKS Onal	Design Modification and Optimization of Low Head Microhydro System for Electricity Generation	10th International Agricultural Engineering Conference & Exhibition, 63rd PSAE Annual Convention & 24th Agricultural Engineering Week .CSU, Cagayan, Phils April 22-26, 2013
2013	Eusebio, Romulo E. Darwin C. Aranguren, and Delfin C. Suministrado	Energy Performance of Agricultural Machines in the Philippines	10th International Agricultural Engineering Conference & Exhibition, 63rd PSAE Annual Convention & 24th Agricultural Engineering Week .CSU, Cagayan, Phils April 22-26, 2013
2012	Luyun, R.A. Jr.	Laboratory-scale investigation of the dynamics of artificial recharge of aquifers	CEAT Centennial Lecture Series 2012, College of Engineering and Agro-industrial Technology, University of the Philippines Los Baños
2012	Chen, S., M. Sagisaka, Y. Kudoh, JC Elauria et al.	Application of the ERIA WG Methodology for Sustainability Assessment of Oil Palm Empty Fruit Bunch (EFB) Utilization as Bioenergy and Bio-material	9th Biomass Asia Workshop held in Tokyo, Japan on Dec 3-4, 2012
2012	Gheewala S., M.Sagisaka, Y. Kudoh, S. Chen, J.C.Elauria et al.	Extending the ERIA WG Methodology for Assessment of Sustainability of Biomass Utilization in East Asia	9th Biomass Asia Workshop held in Tokyo, Japan on Dec 3-4, 2012
2012	Amongo, Rossana Marie C., Maria Victoria L. Larona, Angeli Grace M. Castalone, Marck Ferdie V. Eusebio, Adrian A. Borja, and Jan Marion C. Amongo.	Surveys and Assessments of the Current Status of Sustainable Agricultural Mechanization in the Philippines.	8th UNAPCAEM Technical Committee in Kandy, Sri Lanka, October 23-26, 2012
2012	Reyes,M.R., S.Boulakia, A.R.Mercado,V.B Ella, L.Hok and D.I.Edralin	Conservation Agriculture for Food Security in Cambodia and the Philippines	Annual International ASA/CSSA/SSSA Conference, Cincinnati, Ohio, USA October 21-24, 2012

Date	Author(s)	Title of Paper	Conference Details
2012	Amongo, Rossana Marie C., & Julia Angela Mae E. Collado	Design Improvement of the Local Two-wheel Tractor using Anthropometric Considerations.	62nd PSAE National Convention and 23rd Agricultural Engineering Week, Puerto Prinsesa City, Palawan April 23-27, 2012
2012	Catriz, Roderick L., Chiliast B. Juan, Rossana Marie C. Amongo, & Arthur L. Fajardo	Voltage Drop Analysis for Short-Distance Single Wire Earth Return (SWER) Distribution System.	62nd PSAE National Convention and 23rd Agricultural Engineering Week, Puerto Prinsesa City, Palawan April 23-27, 2012
2012	De Vela RJL, Elepano AR, Peralta EK, Suministrado DC	Drying and and Color Kinetics of Decorticated Queen Pineapple (Ananas comosus L.) Fiber	62nd PSAE National Convention and 23rd Agricultural Engineering Week, Puerto Prinsesa City, Palawan April 23-27, 2012
2012	Ella,V.B. ,M.R.Reyes and A.Mercado,Jr.	Analysis of TDR-measured soil moisture retention and soil organic matter variability under conservation agriculture production systems in Claveria,Misamis Oriental	62nd PSAE National Convention and 23rd Agricultural Engineering Week, Puerto Prinsesa City, Palawan April 23-27, 2012
2012	Ella,V.B.	Hydrologic modeling and simulation of climate change impacts on water resources at Mt. Malarayat watershed	62nd PSAE National Convention and 23rd Agricultural Engineering Week, Puerto Prinsesa City, Palawan April 23-27, 2012
2012	Fajardo, A.L., R.E. Eusebio, D.C. Aranguren and D.C. Suministrado.	Fuel Consumption of Selected Engine Pumpsets for STW Irrigation.	62nd PSAE National Convention and 23rd Agricultural Engineering Week, Puerto Prinsesa City, Palawan April 23-27, 2012
2012	Gallegos,Ralph Kristoffer.B., Delfin C. Suministrado, Rossana Marie C. Amongo, Pepito M. Bato, & Marish S. Madlangbayan.	Compressive Failure Characteristics of Pili Nut.	62nd PSAE National Convention and 23rd Agricultural Engineering Week, Puerto Prinsesa City, Palawan April 23-27, 2012
2012	Lu MMD, Peralta EK, Peralta MM	Characterization and Performance Analysis of Nanosilica Powders from Rice Hull Ash as Moisture Sorbents	62nd PSAE National Convention and 23rd Agricultural Engineering Week, Puerto Prinsesa City, Palawan. April 23-25, 2012.
2012	Luyun, R.A. Jr.	Experimental and Numerical Investigation of Artificial Recharge for Controlling Saltwater Intrusion in Coastal Aquifers	62nd PSAE National Convention and 23rd Agricultural Engineering Week, Puerto Prinsesa City, Palawan April 23-27, 2012
2012	Onal, Mark Keylord S., Arsenio N. Resurreccion, Rossana Marie C. Amongo, Delfin C. Suministrado & Jessie C. Elauria	Field Testing of a Jeepney-Mounted Three-Bladed Micro Windmill for Rural Off-Grid Area. (Technical Paper Presentation)	62nd PSAE National Convention and 23rd Agricultural Engineering Week, Puerto Prinsesa City, Palawan April 23-27, 2012
2012	Pangan, Ronel S., Victor A. Rodulfo, Jr., Ralph Kristoffer B. Gallegos, Rossana Marie C. Amongo & Archard M. Arenal.	Improvement of the Conventional Citronella Oil Extractor through Optimization Studies.	62nd PSAE National Convention and 23rd Agricultural Engineering Week, Puerto Prinsesa City, Palawan April 23-27, 2012
2012	Reyes, Maria Jehosa B., Arthur L. Fajardo, Rossana Marie C. Amongo, Delfin C. Suministrado & Marvin C. Petingco	Evaluation of Centrifugal Pump as Turbine for Micro Hydro Applications	62nd PSAE National Convention and 23rd Agricultural Engineering Week, Puerto Prinsesa City, Palawan April 23-27, 2012
2012	Rodulfo, Victor A.Jr, Yzendrin O. Baconguis, Ralph Kristoffer B. Gallegos & Rossana Marie C. Amongo	Design Development and Optimization of a Dilute-Phase Flow Pneumatic Dryer for Agricultural By-products.	62nd PSAE National Convention and 23rd Agricultural Engineering Week, Puerto Prinsesa City, Palawan April 23-27, 2012
2012	Elauria, J.C	Gasifier-based and Biopower-based Micro-grid System	Strategic Planning Workshop of PHILFOREST on February 20-21, 2012 at DAP, Pasig City

Date	Author(s)	Title of Paper	Conference Details
2012	Dulawan L, R.M.C. Amongo, D.C. Suministrado, and J.C. Elauria.	Design of ATurbine for Low Head Micro-Hydro Electric Power Systems	3rd International Agriculture Students Symposium. Universiti Putra Malaysia, Serdang, Selangor, Malaysia. February 18-19, 2012.
2012	Onal, M.K.S., A.N. Resurrection, R.M.C. Amongo, D.C. Suministrado, and J.C. Elauria.	Design and Evaluation of a Jeepney-mounted Micro Windmill for Battery Charging Applications for Rural Off-grid Area in the Philippines.	3rd International Agriculture Students Symposium. Universiti Putra Malaysia, Serdang, Selangor, Malaysia. February 18-19, 2012.
2012	Sanchez, Paolo Rommel P. and Delfin C. Suministrado	Development of a Fluidyne Water Pump for Irrigation	3rd International Agriculture Students Symposium, University Putra Malaysia, Serdang, Selangor, Malaysia, February 19-28, 2012
2012	Suministrado, Delfin C.	Status of Agricultural Machinery Industry in the Philippines	Roundtable discussion on “Mechanization of Agriculture”, National Academy of Science and Technology, Trader’s Hotel, Pasay City, December 6, 2012
2011	Amongo, Rossana Marie C, Louie G. Amongo & Maria Victoria L.Larona.	Mechanizing Philippine Agriculture for Food Sufficiency.	UNAPCAEM and FAO Joint Roundtable Discussion on Sustainable Agricultural Mechanization in Asia Bangkok, Thailand Dec. 8 – 9, 2011
2011	Pangan, RS ARElepaño, JDdeRamos,RJdeVela	Development of Primary Post-production Machinery for Jatropha Curcas Seeds.	24th Regional Symposium on Research and Development Highlights, Southern Luzon State University, Lucban, Quezon. August 15, 2011
2011	Amongo, Rossana Marie C. & Ma. Victoria L. Larona	Agricultural Mechanization: The Philippine Setting	Seminar on Agricultural Mechanization for Developing Countries. Beijing, China. May 20-June 9, 2011.
2011	Amongo, Rossana Marie C., Patrick John P. Prudencio, Arthur L. Fajardo, and Roderick L. Catriz.	Performance Evaluation of Automobile Alternators as Micro Hydro Generator.	9th International Conference and Exhibition & 61st PSAE Annual Convention, & 22nd Agricultural Engineering Week Dapitan City, Zamboanga del Norte, Philippines.April 25-29, 2011
2011	Arrobang Romel A., Ralph Kristoffer B. Gallegos, Rossana Marie C. Amongo, Jessie C. Elauria	Fuel Characteristics of Two Sargassum Species in Capiz	9th International Conference and Exhibition & 61st PSAE Annual Convention, & 22nd Agricultural Engineering Week Dapitan City, Zamboanga del Norte, Philippines.April 25-29, 2011
2011	Bato, P.M., M. Nagata, and T. Kobayashi	Non-destructive Evaluation of Anthocyanin Pigment Distribution in Eggplant Using Hyperspectral Imaging	9th International Conference and Exhibition & 61st PSAE Annual Convention, & 22nd Agricultural Engineering Week Dapitan City, Zamboanga del Norte, Philippines.April 25-29, 2011
2011	Catriz, Roderick L., Marti Sandino P Espenido, Rossana Marie C. Amongo and Arthur L. Fajardo.	Evaluation of Lipa Soil Series for Single Wire Earth Return (SWER) System.	9th International Conference and Exhibition & 61st PSAE Annual Convention, & 22nd Agricultural Engineering Week Dapitan City, Zamboanga del Norte, Philippines.April 25-29, 2011
2011	Fajardo, Arthur L., Rossana Marie C. Amongo and Roderick L. Catriz,	Performance Testing of a 200W-capacity Micro-hydro Generator.	9th International Conference and Exhibition & 61st PSAE Annual Convention, & 22nd Agricultural Engineering Week Dapitan City, Zamboanga del Norte, Philippines.April 25-29, 2011
2011	Villano, M.G. and A.L. Fajardo	Evaluation of the performance and sustainability of a drip irrigation system in a small-scale corn-based diversified farm in Kay-anlog, Calamba City.	9th International Conference and Exhibition & 61st PSAE Annual Convention, & 22nd Agricultural Engineering Week Dapitan City, Zamboanga del Norte, Philippines.April 25-29, 2011

Date	Author(s)	Title of Paper	Conference Details
2011	Maloom, J., R.B. Saludes, M.A. Dorado. and P. Sta Cruz	Development of a GIS-based model for predicting rice yield	9th International Conference and Exhibition & 61st PSAE Annual Convention, & 22nd Agricultural Engineering Week Dapitan City, Zamboanga del Norte, Philippines. April 25-29, 2011
2011	Rafosala, B.C., R.P. Santiago, A.M. Tuates, and P.M. Bato	Design, Fabrication and Performance Evaluation of Tamarind Juicer	9th International Conference and Exhibition & 61st PSAE Annual Convention, & 22nd Agricultural Engineering Week Dapitan City, Zamboanga del Norte, Philippines. April 25-29, 2011
2011	Rodulfo, Victor A., Jr., Rossana Marie C. Amongo, Marvin C. Petingco, Ralph Kristoffer B. Gallegos and John Bryan M. Constantino.	Optimization of the milling performance of the AMDP Oil Expeller for Jatropha curcas. (Technical Paper Presentation)	9th International Conference and Exhibition & 61st PSAE Annual Convention, & 22nd Agricultural Engineering Week Dapitan City, Zamboanga del Norte, Philippines. April 25-29, 2011

Chapter in a Locally Published Book - IAE

Date	Author(s)	Chapter and Book Titles	Publisher
2012	Ella, V.B., A.L. Fajardo and D.D. Elazegui	5-Institutional Partnership for Irrigation and other Infrastructure, In: Rola, A.C., J.E. Hernandez, J.R. Medina, M.M. Paunlagui, and L.R.I. Velasco (Eds). 2012 Partnership for Food Security.	DA-BAR, Diliman, Quezon City and UPLB, College Laguna, Philippines. 409pp. ISBN NO. 97-8-9P71-0347-26-1

Locally Published Book - IAE

Date	Author(s)	Chapter and Book Titles	Publisher
2013	Penalba, L.M., Elazegui, D. D., Luyun Jr., R. A., Sta. Cruz, P.C.	Enhancing the Water Management Capability of Communal Irrigator's Associations	University of the Philippines Los Banos (ISBN 978-971-95231-7-7; 85 pp)
2012	The Technical Committee (Delfin C. Suministrado as Chair)	The Philippines Recommends for Water-Saving Technologies for Rice and Other Crops (Philippines Recommends Series No. 1/2012)	Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development (PCAARRD) of the Department of Science and Technology (DOST)

Syllabus, Manuals, Professorial Chairs - IAE

Date	Author(s)	Title Syllabus/Manual/Prof Chair	Publisher
2014	Carandang, M, MCCC Ignacio, et.al.	Graduation Efficiency of UPLB Undergraduate Programs.	UP Los Baños Centennial Professorial Chair Lecture
2014	Amongo, Rossana Marie C. & Delfin C. Suministrado	AMDP AND AMTEC, World-Class Institutions For Agricultural Mechanization Development	UP Los Baños Centennial Professorial Chair
2013	Amongo, Rossana Marie C.	Agricultural Engineering Board Review Manual (Agricultural Engineering Law, Professional Ethics, Engineering Contract & Specifications)	PSAE Region IV
2013	RKB Gallegos, FO Paras Jr., AL Fajardo, MKS Onal, AA Blastique	ABE 31 Engineering Shop Lecture and Laboratory Manual	OVCAA
2013	Amongo, RMC, Gallegos RKB, Bambase ME Jr, Madlangbayan MS, Layaoen HDZ, Escobar EC, Agno KCC.	Formatting Guidelines for Undergraduate Thesis and Field Practice Manuscripts.	IAE-CEAT. University of the Philippines Los Baños

Date	Author(s)	Title Syllabus/Manual/Prof Chair	Publisher
2013	Bato, Pepito M.	Non-Destructive Evaluation of Fruits and Vegetables	San Miguel Corporation Professorial Chair
2013	Resurreccion, Arsenio N. Arnold R. Elepaño, Engelbert K. Peralta, Jovita L. Movillon Rex B. Demafelis Moises A. Dorado Marion Lux Y. Castro	UPLB Centennial: Aligning CEAT to UP as National University: A Roadmap	UP Los Baños Centennial Professorial Chair
2012	Ignacio, MCCDI	Development of Lecture Syllabus for ENSC 14a (Engineering Thermodynamics and Heat Transfer)	UP Los Baños Centennial Faculty Grant
2011	Petingco, Marvin C., Arsenio N. Resurreccion, Rossana Marie C. Amongo, Ralph Kristoffer B. Gallegos, Arthur L. Fajardo, Kevin F. Yaptenco. Dante B. de Padua, Nina Karla M. Alparce, Engelbert K. Peralta and Jessie C. Elauria	AENG 2 Manual: Fundamentals of Agricultural Engineering II	UP Los Baños Centennial Faculty Grant
2011	Amongo, Rossana Marie C.	Anthropometric Considerations in the Design Improvement of the Local Two-Wheel Tractor	UP Los Baños SEARCA Professorial Chair
2011	Gallegos RKB, Ballaran VG Jr, Duka MA, Alparce NKM.	IAE Formatting Guidelines for Undergraduate Thesis and Field Practice Manuscripts.	IAE-CEAT, University of the Philippines Los Baños.

Policy Papers (National in Scope and Adopted) - IAE

Date	Author(s)	Title of Paper	Proof of Adoption
2013	Amongo, Rossana Marie C., Maria Victoria L. Larona, Victor A. Rodolfo, Jr, Ronel S. Pangan, Alexis C. Del Rosario, Jose D. de Ramos, Marife R. Santiago, Mario C, Bueno, Balbino C. Geronimo and Arsenio N. Resurreccion	A Policy Paper on the Role of AMDP-UPLB in the Agricultural and Fisheries Mechanization Law of 2013 (RA 10601)	Approved IRR of RA 10601 by DA Secretary as of December 20, 2013
2013	Palomares TS, MAJ Menez, Ra Bassig, Zaragoza EC, Ami LJ, KF Yaptenco	Philippine National Standard PNS/BAFPS 128: Dried Sea Cucumber	Product standard published on-line by the Department of Trade & Industry (http://www.dti.gov.ph)
2012	Delfin C. Suministrado, Darwin C. Aranguren, Romulo E. Eusebio, Erwin P. Quillooy and Mary Louise M. Padron	Technical Standards for Poultry Dressing/Slaughtering Plant (Consisting of 2 standards for structures and 10 standards for equipment.)	The National Meat and Inspection Service (NMIS) has adopted these standards as criteria for accreditation of LGUs and private proponents applying for establishment poultry dressing plants.
2011	Ella, V.B.	Simulating the hydraulic effects of climate change on groundwater resources in a selected aquifer in the Philippines using a numerical groundwater model	Policy Brief published on-line by SEARCA

Date	Author(s)	Chapter and Book Titles	Publishers
2012	Ella,V.B., M.R.Reyes, R.Yoder, N.Olila M.Palada D.Modmore and T.Dillaha	7- Low-cost drip irrigation technology for sustainable vegetable- agroforestry systems, In: Catacutan, D.C., A.R.Mercado, M.E.C.Javier, M.V.O.Espaldon, V.B.Ella, M.Palada, A.C.Rola,C.D.Piñon, J.Saludadez, A.Penaso, M.R.Nguyen, C.T.Pailagao, I.B.Bagares., N.R.Alibuyog, D.Midmore, M.R.Reyes, R.Cajilig, K.Kunta and S. Sombatpanit(eds) 2012.Vegetable Agroforestry Systems in the Philippines. Special Publication No.6b	World Association of Soil and Water Conservation (WASWAC),Beijing, China and the World Agroforestry Center,(ICRAF) Nairobi,Kenya.pp.ISBN 978-974-350-655-0

Research and Projects

For the span of three years, the College was able to collect about PhP 99.5 million for researches and contracted projects.

Department of Civil Engineering

Name of Faculty	Title	Status	Funding Agency
Melvin Solomon	Development of Design Wind Speed Map based on Typhoon Simulation for Structures and Risk Management	For completion	
Marish Madlangbayan	Comparison of the Durability of Type I and Type IP Cement Concrete Against Chloride Attack	Terminal Report Submitted October 2012	
Marish Madlangbayan	Upgrading the Construction Materials Laboratory of DCE	Ongoing	
Marish Madlangbayan	Lecture Syllabus in CE 135 (Structural Engineering V)	Completed	

Department of Industrial Engineering

Name of Faculty	Title	Status	Funding Agency
Haerold Dean Z. Layaoen (Project Leader) Mikel Angelo B. Yap (Assistant Project Leader)	Optimizing the Combination of Commercially Available Handle Grips and Engine Mounts To Reduce the Vibration Transmitted to Hand Tractor Operators	Completed	UPLB Basic Research Fund
Josefa Angelie D. Revilla (Project Leader) Mikel Angelo B. Yap (Assistant Project Leader)	Baseline Measurement and Analysis of Hand-Arm Transmitted Vibration of UPLB-AMD Ergonomically Designed Two-Wheeled Tractor	Completed	UPLB Basic Research Fund
HDZL (Project Coordinator OVCRE-IED) LAM (Project Leader of OVCRE Project)	Streamlining and Improvement of the Project-Related Processes at the Office of the Vice Chancellor for Research and Extension, University of the Philippines Los Banos	Ongoing	UPLB
HDZL (Project Coordinator OVCRE-IED) LAM (Project Leader of OVCRE Project)	Streamlining and Improvement of the Non-Project-Related Processes at the Office of the Vice Chancellor for Research and Extension, University of the Philippines Los Banos	Ongoing	UPLB

Name of Faculty and Involvement	Title	Status	Funding Agency
HDZL (Project Coordinator OVCA-IED-Accounting) JADR (Project Leader of OVCA-Accounting Project)	Validating and Enhancing the Key Performance Indicators of Each Employee in Processing Each Type of Document Using Stopwatch Time Study in Accounting Office, UPLB	Ongoing	
HDZL (Project Coordinator OVCA-IED-Accounting) JADR (Project Leader of OVCA-Accounting Project)	Streamlining and Improvement of the Processes of the Electronic Data Processing (EDP) Section of the University of the Philippines Los Banos Accounting Office Through Value Analysis	Ongoing	
HDZL (Project Coordinator OVCA-IED-Accounting) JADR (Project Leader of OVCA-Accounting Project)	Streamlining of the Document Processing System Using Value Stream Mapping in the Accounting Office, University of the Philippines Los Banos, Laguna	Ongoing	
HDZL (Project Coordinator OVCA-IED-Accounting) JADR (Project Leader of OVCA-Accounting Project)	Development of Capacity through the Analysis and Improvement of the Facility Layout at Accounting Office, UPLB, College, Laguna	Ongoing	
HDZL (Project Coordinator OVCA-IED-SPMO) CMP (Project Leader of OVCA-SPMO Project)	Efficiency Improvement of the Inventory System through Plant Layout Optimization and Web -Based Inventory System Development of Supply and Property Management Office of the University of the Philippines Los Banos	Completed	
HDZL (Project Coordinator OVCA-IED-SPMO) CMP (Project Leader of OVCA-SPMO Project),	Application of Vendor Managed Inventory principles (VMI) to the Procurement Processes under the Supply and Property Management Office – Central Storeroom Section, University of the Philippines Los Baños	Ongoing	
HDZL (Project Coordinator OVCA-IED-SPMO) CMP (Project Leader of OVCA-SPMOProject)	Analysis of the Current Equipment Disposal System of SPMO, UPLB	Ongoing	
HDZL (Project Coordinator OVCA-IED-SPMO) CMP (Project Leader of OVCA-SPMO),	Establishment of Incoming Quality Control Inspection System for SPMO, UPLB	Ongoing	
Haerold Dean Z. Layaoen (Study Leader) Eric Catriz (Co Study Leader)	Characterization of Reflectance Values and Layout Optimization in UPLB Classrooms and Offices Using Light Emitting Diode (LED) for Ergonomic Lighting (May 15, 2014 to May 14, 2015)	Ongoing	UPLB Basic Research Fund

Name of Faculty and Involvement	Title	Status	Funding Agency
Lizabeth A. Mariano (Project Leader)	Improvement of the UPLB IED Human Systems Engineering Program (HSEP) to Increase Research Capability and Improve the Academic Performance of Students	Ongoing	OVPAA-EIDR
Diana Marie R. De Silva (Project Staff 2)	Evaluation and Performance Analysis of Nanosilica Powder from Rice Hull Ash as Silicon Fertilizer for Tomato (<i>Lycopersicon Esculentum</i>)	Ongoing	DOST-PCIERRD
Diana Marie R. De Silva (Project Leader)	Energy Audit in the Rice Supply Chain in Region IVA Through Value Analysis	Completed	DA-RFUIVA

Department of Electrical Engineering

Name of Faculty and Involvement	Title	Status	Funding Agency
Dr. Rossana Maire C. Amongo (Project Leader) Engr. Arthur L. Fajardo (Study Leader) Engr. Roderick L. Catriz (Study Leader) Engr. Ralph Kristoffer B. Gallegos (Study Leader)	Design, Testing, and Installation of Micro-hydro System	Ongoing	Agricultural Mechanization Development Program
Engr. Roderick L. Catriz (Co-proponent)	Development of a Power Quality (PQ) Laboratory	Finalizing Report	UP OVPAA - Emerging
Prof. Rex B. Demafelis (Chairman) Engr. Roderick L. Catriz (Study Leader)	University of the Philippines Los Baños (UPLB) Electrical Energy Efficiency and Conservation Audit	Ongoing	Ad Hoc Committee on Energy Systems

Institute of Agricultural Engineering

Name of Faculty and Involvement	Title and Inclusive Dates	Status	Funding Agency
Project Leader AC del Rosario, Research Staff: AA. Borja, KRelleve	Assessment of the Current Status of the Yellow and White Corn Supply Chains in the Philippines 2014-2016	Ongoing	DA-BAR PhP 6,168,834.40
Project Leader: AC del Rosario, Study Leaders: CB. Quicoy, MLD. de Lara Project Staff: CPCostale, DR. Bandayanon RJC. Estadilla	Comprehensive Assessment of the Performance of the Cassava Supply Chain and Value Chain and Identification of Interventions for Competitiveness 2014-2016	Ongoing	DA-BAR PhP 6,326,653.80

Name of Faculty and Involvement	Title and Inclusive Dates	Status	Funding Agency
Project Leader: RM-CAmongo PDAs:MCCDIgnacio MKSONal, JAGonzales, PLPRelativo Project Staff: AGM Castalone	AUN-QA Accreditation for the BSABE program of IAE-CEAT-UPLB June 2014- December 2014	Ongoing	UP System PhP 500,000.00
Program Leader: MVO Espaldon; Project Leader: FP Lansigan; Project Staff L3: RA Luyun Jr., RB Saludes; PS L2: MA Dorado, VG BallaranJr	Smarter Approaches to Reinvigorate Agriculture as an Industry (SARAI) in the Philippines November 2013 – October 2016	Ongoing	DOST-PCAARRD
Project Leader: AR Elepano,	Design and Development of Super-heated Steam Treatment System for Stabilized Brown Rice. Oct 2013 to December 2014	Ongoing	MIRDC, DOST
Project Leader: Delfin C. Suministrado	Development of Standards for Rice Production and Postproduction Machineries September 2013 to August 2015	Ongoing	PCAARRD DOST
Project Leader: AR Elepano Asst Proj Leader: J Lustro,	Modernizing the Philippine Grain Drying Industry through Cutting-edge Blower Design and Manufacture. August 2013 to December 2014	Ongoing	PhilMech, DA
Project Leader: RM-CAmongo Project Staff: AGM Castalone	Application of the BS Agricultural and Biosystems Engineering (BS ABE) Program of the IAE-CEAT-UPLB to the AUN-QA, PTC-ACBET-EAC, ABET and Washington Accord August 2013 – December 2014	Ongoing	UPLB World Class Fund
Project Leader: VB Ella	Development of a simple numerical hydrologic model for small watersheds in the Philippines for dependable flow estimation under climate change and climate variability scenarios July 15, 2013 – 2014	Ongoing	UP System
Project Leader: JCM Catubig-Casila Study Leaders: MA Duka, RB De los Reyes	Potential of the Molawin Creek for Microhydro Power generation: an assessment study April 2013-2014	Ongoing	OVCRE,UPLB
Project Leader: MKS Onal Study Leaders: RS Pangan, BC Geronimo	Design and Installation of WECS at PSFI Training Center April 2013-2014	Ongoing	AMDP-IAE-CEAT
Project Leader: FO Paras Jr. Study Leader: RKBGallegos	Automation and Design Improvements for SINAG (Solar Incubator for Agriculture) April 2013-2014	Ongoing	AMDP-IAE-CEAT

Name of Faculty and Involvement	Title and Inclusive Dates	Status	Funding Agency
Project Leaders: RS Pangan, JD De Ramos	Development of a low-lift pump utilizing locally available materials to be attached to a savonious windmill 2013-2014	Ongoing	AMDP-IAE-CEAT
Project Leaders: RS Pangan VARodulfo Jr.	Development of a technology package for cassava flour processing 2013-2014	Ongoing	AMDP-IAE-CEAT
Project Leader: MCCDIgnacio Study Leader: PMO Tarnate	Performance Analysis of Nanosilica-in-fluid Dispersion (Nanofluid) Used as Coolant in Heat Exchange 2013-2014	Ongoing	DOST
MVL Larona, BC Geronomo, MC Bueno, Project staff: AGM Castalone, AA Borja, MFV Eusebio, JMC Amongo, EC Repoldo	Socio-economic and mechanization profile of the production-processing system for the following AMDP Project sites (1) Calamba, Laguna (corn & vegetables) ; (2) Dumingag, Zamboanga del Sur(rice & corn); (3) Siquijor Province (corn & cassava); (4) Bondoc Peninsula (corn & coconut) January 2013 – to December 2014	Ongoing	AMDP-IAE-CEAT
Project Leader: RA Luyun Jr. Study Leaders: RB De los Reyes, JCM Catubig-Casila, MA Duka, JA Gonzales	Water Balance and Loss Assessment of UPRIIS and MARIIS September 2012 – August 2015	Ongoing	DOST-PCAARRD
Project Leader: KF Yaptenco; Study Leaders: EV Casas, RSPangan; Project Staff: ELO Lapi-tan, Spardua, R Imperial	Enhancing the Philippine Sea Cucumber Industry through Appropriate Processing Technology May 15, 2012 to May 14, 2015	Ongoing	DOST
Project Leader: AA Delos ReyesJr. Study Leader: JOO NAcorda (IBS)	Mass Production of Freshwater Microalgae and Perf. Eval. for Tilapia and Milkfish May 2012 – May 2015	Ongoing	DOST – PCAARRD
Project Leader: AA Delos ReyesJr. Study Leader: EV Casas, IL Cosare (BISU)	Development of Feed Milling Facility for Village-Level Fishfarmers May 2012 – May 2015	Ongoing	DOST – PCAARRD
Project Leader: PMBato Study Leader: AABlastique	Design and Development of a Machine Vision System (MVS) for Mango Sorting May 2012 to 2014	Ongoing	AMDP-IAE-CEAT
Study Leaders: AC del Rosario, JD de Ramos Project Staff: WC. Tan-subhaphol	Determination of the Effects of the Use of Suitable Mechanization Technology on Operational Efficiency, Cost, and Labor Productivity of Corn-based Farms in FSTP Project Areas 2012 to October 2014	Ongoing	UPLB-FI

Name of Faculty and Involvement	Title and Inclusive Dates	Status	Funding Agency
Project Leader: RMC Amongo, Study Leader: MKSONal	Anthropometric of Farmers for Agricultural Machinery Design 2012-2014	Ongoing	AMDP-IAE-CEAT
Project Leader: KFYap-tenco Study Leader: NKMAI-parce, PCSanchez, FOParas, Jr.	Mechanization of Heat Treatment of 'Carabao' Mango for Quarantine Disinfestation and Disease Control 2012-2014	Ongoing	AMDP-IAE-CEAT
Project Leader: RB Saludes Study Leader: VG Bal-laran, Jr.,	Hydroponic Green Forage Production for Crossbred Dairy Buffaloes 2012-2014	Ongoing	AMDP-IAE-CEAT
Project Leader: RA Luyun Jr., Study Leader: AL Fa-jardo	Evaluation and pilot testing of shallow tube wells as recharge wells 2012-2014	Ongoing	AMDP-IAE-CEAT
Project Leader: AA delos Reyes, Jr.	Backyard scale recirculating aquaponic system 2012-2014	Ongoing	AMDP-IAE-CEAT
Project Leaders: RS Pangan, VA Rodulfo, Jr. J.D. De Ramos	Optimization of the citronella oil extraction facility 2012-2014	Ongoing	AMDP-IAE-CEAT
Project Leaders; RS Pangan, BC Geronimo	Establishment of HVCC Production Farm Training Center Utilizing Appropriate Mechanization Technologies 2012-2014	Ongoing	AMDP-IAE-CEAT
Project Leader: RMC Amongo Study Leaders:VA Rodulfo, Jr., MVL Larona, A.C. del Rosario, Project Staff: AGM Castalone, AA Borja, MFV Eusebio, JMC Amongo, EC Repoldo and MI Idian	Determination of Agricultural Mechanization Level in the Production-Postproduction Systems of Rice and Corn in Selected Regions of the Philippines March 2012- May 2013	Ongoing	DA-PhilMech and UPLB-AMDP
Project Leader: EKPer-alta; Study Leader: MCCDIg-nacio	Development of Nanostructured Materials for the Enhancement Remediation: Sub-program 5-Performance Analysis of Nanosilica Powder from Rice Hull Ash for Use in Various Agricultural Applications (Project 9- Characterization and Performance Analysis of Nanosilica Powder Incorporated in Biodegradable Film Based on Cassava Starch for Food Packaging Applications) 2013-2014	Ongoing	DOST
Project Leader: EV-Casaas	Field Testing and Optimiztion of AMDP Husks Furnace For Grain Drying 2012-2013	Ongoing	AMDP-IAE-CEAT

Name of Faculty and Involvement	Title and Inclusive Dates	Status	Funding Agency
Project Leader: VA Rodulfo, Jr. Study Leader: MC Bueno	Pilot testing of the AMDP Corn Mill for Food and Feed Milling in Pilot Area 2012-2014	Ongoing	AMDP-IAE-CEAT
Project Leader: PM Bato; Study Leaders: R Saludes, R Luyun, KF Yaptenco	Study 1: Development of a Hybrid Hyper spectral Imaging and Machine Vision System for Detection of Defects, Disease and Insect Infestation in Agricultural Products Study 2: Innovative Research Projects Growth monitoring of hydroponic lettuce by Near-Infrared Spectroscopy Study 3: Near-Infrared Spectroscopy for Non-Destructive Quality Evaluation of Fresh and Processed 'Carabao' Mango Fruit 2011 – 2014	Ongoing	CHED
Project Leader: RMC Amongo, Study Leaders: RKB Gallegos AL Fajardo, RL Catriz	Design and Testing of a Micro-Hydro System 2011- 2014	Ongoing	AMDP-IAE-CEAT
Project Leader: J.D. De Ramos Study Ledaers: A.C. del Rosario, MR Santiago	2 Design and development of mechanization technologies for Adlai and Peanut 2011- 2014	Ongoing	AMDP-IAE-CEAT
Project Leader: A.C. del Rosario	Development of Corn Sheller for Seeds (High Moisture Sheller) 2011-2014	Ongoing	AMDP-IAE-CEAT
Project Leader: MR Santiago	Characterization of selected feed-stocks (jatropha, oil palm, adlai) for biofuel production 2011-2014	Ongoing	AMDP-IAE-CEAT
Project Leader: MR Santiago	Design and Development of Mechanization Technology for waste and by-products from feedstock processing 2011-2014	Ongoing	AMDP-IAE-CEAT
Project Leaders: RSPan-gan/BC Geronimo	Development of Production Machinery for the Production of Organic Fertilizer 2011-2014	Ongoing	AMDP-IAE-CEAT
Study Leaders: J.D. De Ramos, A.C. del Rosario	Development of Small-Scale Corn Machinery and Equipment for FSTP 2011-2014	Ongoing	AMDP-IAE-CEAT

Name of Faculty and Involvement	Title and Inclusive Dates	Status	Funding Agency
Study Leader: JCElauria	Sustainability Assessment of Bio-mass Utilization in East Asia 2011-2013	Ongoing	ERIA
Project Leader: JC Orozco	Design, Fabrication and Test of a Push-Type Fertilizer Applicator for Side Dressing 2011- 2013	Ongoing	AMDP-IAE-CEAT
Project Leader: JC Orozco	Design, Fabrication and Test of a Push-Type Corn Planter 2011-2013	Ongoing	AMDP-IAE-CEAT
Project Leader: JC Orozco	Production of demonstration unit of pneumatic planter 2011-2013	Ongoing	AMDP-IAE-CEAT
Project Leader: VA Rodulfo, Jr.	Design and development of a pneumatic dryer for agricultural by-products 2011-2013	Ongoing	AMDP-IAE-CEAT
Project Leader: MG Vil-lano Study Leader: ALFajardo	Evaluation of the Sustainability and its potential in increasing the level of mechanization in a corn-based farm in Kay-Anlog, Calamba City 2011-2012	Ongoing	AMDP-IAE-CEAT
Project Leader: VA Rodulfo, Jr.	Design and modification, and testing of mini corn mill 2011-2012	Ongoing	AMDP-IAE-CEAT
Project leader: VB Ella Study Leaders: M Reyes (North Carolina State U), A Mercado (ICRAF)	Conservation Agriculture for Food Security in Cambodia and the Philippines (Soil and Water Resources Components) January 2010 – September 2014	Ongoing	USAID/NCAT/ UPLBFI
Project Leader: KF Yaptenco; Study Leaders: JD de Ramos, DR del Carmen	Commercialization of Hot Water Tank for Heat Treatment of High Value Agricultural Commodities (Phase II) January 1, 2011 –December 31 2013; extended to June 2014	Completed	DA-BAR
Project Leader: M Elauria Project Staff: E Enicola, A Manilay, G Abrigo, KF Yaptenco	Impact Assessment of Selected Technologies Under The S&T Anchor Program For Mango-Phase II March 1, 2012 – 28 February 28, 2013; extended to May 2013	Completed	PCAARRD
Project Leader: RC Amongo P Study Leaders: VA Rodulfo, Jr., MVL Larona, AC. del Rosario, Project Staff: AGM Castalone, AA Borja, MFV Eusebio, JMC Amongo, EC Repoldo, MI Idian	Determination of Agricultural Mechanization Level in the Production-Postproduction Systems of Rice and Corn in Selected Regions of the Philippines February 1, 2012 to June 30, 2013	Completed	DA-PhilMech and UPLB-AMDP

Name of Faculty and Involvement	Title and Inclusive Dates	Status	Funding Agency
Project Leader: EV-Casaas	Field Testing and Optimiztion of AMDP Husks Furnace For Grain Drying January 1, 2012-December 31, 2013	Completed	AMDP-IAE-CEAT
Project Leader: VA Rodulfo, Jr.	Design and Development of AMDP Mini Corn Mill January 1, 2011-December 31,2012	Completed	AMDP-IAE-CEAT
Project Leader: BC Geronimo	Design and Development of UPLB Mini Corn Mill January 1, 2011-December 31,2012	Completed	AMDP-IAE-CEAT and CA-IPB
Project Leader: AR Elepano Study Leader: EV Casas	Rice Hull/Corn Cob Furnace for Non-Power Applications January 1, 2011-December 31,2012	Completed	AMDP-IAE-CEAT
Project Leader: JC Orozco Study Leader: BS Geronimo	Field Testing of Multicrop Pneumatic Planter (Modification of Fertilizer Applicator) January 1, 2011-December 31,2012	Completed	AMDP-IAE-CEAT and IRRI
Project Leader: VA Rodulfo, Jr	Adaptation of the UPLB Coconut Oil Expeller for Jatropha curcas seeds/ Packaging of Technology for Commercial Extraction of Crude Jatropha Oil 2011- 2012	Completed	AMDP-IAE-CEAT
Project Leader: MG Villano Study Leader: AL Fajardo	Evaluation of the sustainability of a drip irrigation system & its potential in increasing the level of mechanization in a corn-based farm, Kay-Anlog, Calamba City 2010-2012	Completed	AMDP-IAE-CEAT
Project Leader: RMC Amongo Study Leader: MC Petinco	Anthropometric Survey of Farmers in the Calabarzon Area. 2010- 2011	Completed	AMDP-IAE-CEAT

Name of Faculty and Involvement	Title and Inclusive Dates	Status	Funding Agency
Asst. Prof. Maria Morissa D. Lu	Nanotechnology		UPLB-PCIEERD
Asst. Prof. Erwin C. Escobar	Purchase of a basic materials engineering laboratory equipment for conducting research and instruction activities in the Department of Engineering Science, CEAT, UPLB		UP Emerging Interdisciplinary Research (EIDR) Grant
Asst. Prof. Aileen Grace M. Ongkiko	Extraction and characterization of nanocrystalline cellulose (NCC) from lignocellulosic biomass		UPLB Basic Research
Asst. Prof. Paul Michael O. Tarnate	Biodegradable thermoplastic starch composite reinforced with sweet sorghum bagasse fibers		UPLB Basic Research
Asst. Prof. Romina Gloria M. Bondad Asst. Prof. Ariel U. Glorioso Asst. Prof. Erwin C. Escobar	Predicting the daily stream flow of ungauged Eastern Dampalit sub-watershed by using lumped conceptual rainfall-runoff model		UPLB Basic Research
Asst. Prof. Julius Rhoan T. Lustro	The onset Reynold's number of transient turbulence in minimal plane Couette flow		UPLB Basic Research
Asst. Prof. Marvin L. Samaniego	Photoelectrocatalytic method for COD determination using titania nanotubes arrays from anodization		UPLB Basic Research
Asst. Prof. Paolo Rommel P. Sanchez Asst. Prof. Erwin C. Escobar	Total utilization of microalgae biomass for biofuel production: Bio-ethanol production from Chlorella vulgaris biomass obtained after lipid extraction		UPLB Basic Research
Asst. Prof. Jasmin Z. Vasquez	Chitin nanoparticles as reinforcement for biodegradable composite materials		UPLB Basic Research

Name of Faculty and Involvement	Title and Inclusive Dates	Status	Funding Agency
Project Leader Rex B. Demafelis	Process Economic Analysis, Energetics and Green House Gas Reduction Potential of Bioethanol Production from Macroalgae July 16, 2013 – July 15, 2014	Ongoing	DOE
Project Leader - Jovita L. Movillon	Production of Biogasoline from Biomass-derived Oils, Forest and Agricultural Wastes for Agricultural Machinery Fuel Utilization June 4, 2014 – May 3, 2015	Ongoing	DA-BAR
Project Leader - Catalino G. Alfafara	Biojet Fuel Production from Coconut Oil January 2014 – December 2015	Ongoing	DOST
Study Leader - Monet Concepcion M. Detras	Optimization of Growth and Functional Food Ingredients in the Edible Cyanobacterium Nostoc Commune Vaucher (microalgae) for Commercial Production October 1, 2012 – September 30, 2014	Ongoing	DA-BAR
Project Leader - Jewel A. Capunitan	Environmental Assessment of Community – Based and Commercial – Scale Biofuels Processing Systems Using Alternative Biofuel as Feedstocks: An Effort Towards Climate Change Mitigation in the Philippines November 1, 2011 - April 30, 2014	Completed	DA-BAR
Project Leader	Environmental Assessment, Technical and Economic Study of Biodiesel Production from Palm Oil in the Philippines April 1, 2013 – March 31, 2014	Completed	DA-BAR
Project Leader - Johanna Marie R. Dikitanan	Design, Fabrication and Operation of the Distillation Column for Hydrous Bioethanol Production August 15, 2012 – April 30, 2014	Completed	PHILRICE
Project Leader - Butch G. Bataller	Site Specific Evaluation of Sweet Sorghum Organic Production June 1, 2013 – May 31, 2014	Completed	DA-BAR
Study Leader - Ms. Lisa Stephanie H. Dizon, Univ Researcher 1	Bioremediation of Industrial Wastewater Containing Heavy Metals February 2012 – February 13, 2014	Completed	DOST
Project Leader - El Jirie N. Baticados, URA I	Establishment of Lignocellulosic Feedstock Data Bank and a Single Agriculture and Forestry Bioenergy Network June 2010 – May 2013	Completed	PADCC
Project Leader - Manolito E. Bambase Jr.	Technology Piloting of Microalgae as Biodiesel Feedstock March 1, 2011 – August 31, 2012	Completed	DA-BAR

Name of Faculty and Involvement	Title and Inclusive Dates	Status	Funding Agency
Project Leader	Commercial Sweet Sorghum Plantation and Bio-ethanol Processing in Collaboration with San Carlos Bioenergy Incorporated and Local Government Units of Northern Negros September 1, 2011 – March 31, 2012	Completed	DA-BAR
Project Leader	Sweet Sorghum Validation Trials in Northern Luzon and The 2nd National Sweet Sorghum Business Summit and Plantation Showcase September 1, 2011 – November 30, 2012	Completed	DA-BAR
Project Leader	Technology Piloting of Sweet Sorghum Through the Use of Marginal Lands in the Region of Panay: An Initiative Towards Increasing Farmers' Income and Land Productivity November 1, 2011 – April 30, 2013	Completed	DA-BAR
Project Leader	Sweet Sorghum Validation Trials in Collaboration with Ethanol Players in Negros Occidental August 16, 2010 – October 31, 2011	Completed	DA-BAR
Project Leader	Technology Piloting of Macroalgae as Bioethanol Feedstock March 1, 2011 – March 31, 2013	Completed	DA-BAR

AMTEC

Title and Inclusive Dates	Status	Funding Agency
Testing and Evaluation of 6-Ton Flatbed Grain Dryers	Completed	Philippine Center for Postharvest and Development and Mechanization (PhilMech)
A Survey of Agricultural Machinery Manufacturers and Distributors 2012 February - December 2012		Philippine Center for Postharvest and Development and Mechanization (PhilMech)
Enhancement of Nutrient and Water Use Efficiency through Standardization of Engineering Support Systems for Precision Farming	Ongoing	PhilRice
Performance Tests of Engines Using Various Alcohol and Gasoline Fuel Blends		
Development of Technical Standards for Poultry Dressing Plant May 2012-December 2012		National Meat Inspection Service under the Department of Agriculture (DA-NMIS)
Village-level Bioethanol Production as Energy Source for Rice Farming: Study on Performance Tests of Engines Using Various Alcohol and Gasoline Fuel Blends	Ongoing	PhilRice

Source	Amount
UPLB Lumpsum (2012)	PhP 2,151,000.00
Testing Fee: November 2011 to October 2012	PhP 3,783,500.00
PhilMech (formerly BPRE) project entitled "A Survey of Agricultural machinery Manufacturers and Distributors 2012" (February – December, 2012)	PhP 1,115,765.73
NMIS project entitled "Development of the Technical Standards for Poultry Dressing Plant" (May – December, 2012)	PhP 1,498,213.00*
PCAARRD project entitled "Enhancement of Nutrient and Water Use Efficiency through Standardization of Engineering Support Systems for Precision Farming" (Release for September, 2012 – August, 2013 only).	PhP 2,337,801.00
PhilRice project entitled "Village-level Bioethanol Production as Energy Source for Rice Farming": Study on Performance Tests of Engines Using Various Alcohol and Gasoline Fuel Blends" (September, 2012 – August, 2013)	PhP 513,500.20**
PCAARD project entitled "Enhancement of Nutrient and Water Use Efficiency through Standardization of Engineering Support Systems for Precision Farming" (November 2012-December 2013)	PhP 1,155,107.05
PCAARRD project entitled "Development of Standards for Rice Production and Postproduction Machineries" (Release for September 2013 – February 2014)	PhP 901,420.00

*The fund is administered by the UPLB Foundation, Inc.

** The fund is administered by PhilRice UPLB.

These are the slaughterhouse equipment standards that were developed for Poultry Dressing Plant.

PAES No.	Title
PAES 525:2012	Slaughterhouse Equipment - Poultry Stunner – Specifications.
PAES 526:2012	Slaughterhouse Equipment – Poultry Stunner – Methods of Test
PAES 527:2012	Slaughterhouse Equipment - Poultry Scalder – Specifications
PAES 528:2012	Slaughterhouse Equipment - Poultry Scalder – Methods of Test
PAES 529:2012	Slaughterhouse Equipment - Poultry Defeathering Machine – Specifications
PAES 530:2012	Slaughterhouse Equipment - Poultry Defeathering Machine – Methods of Test
PAES 531:2012	Slaughterhouse Equipment - Poultry Chilling Tank – Specifications
PAES 532:2012	Slaughterhouse Equipment - Poultry Chilling Tank – Methods of Test
PAES 533:2012	Slaughterhouse Equipment - Overhead Rail System for Poultry Dressing Plant – Specifications
PAES 534:2012	Slaughterhouse Equipment - Overhead Rail System for Poultry Dressing Plant – Methods of Test

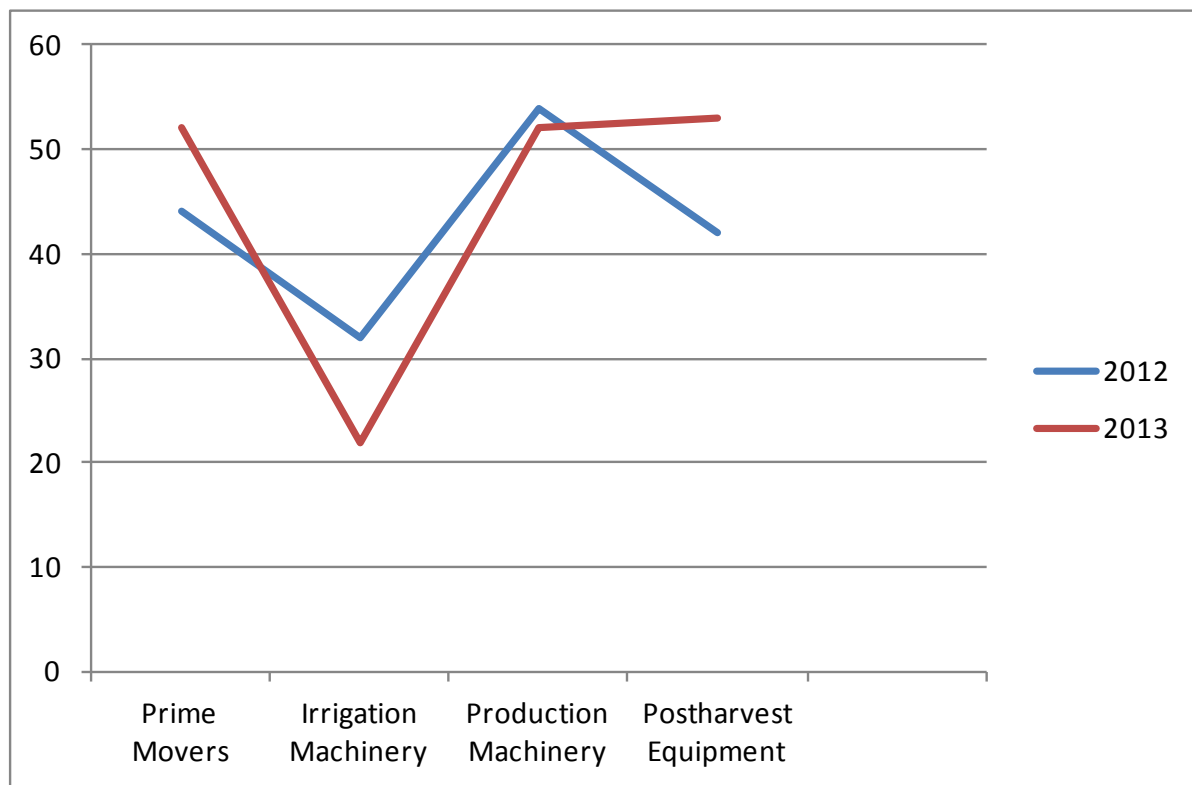
Agricultural Structures

PAES No.	Title
PAES 422:2012	Agricultural Structures - Poultry Dressing/Slaughtering Plant (Small Scale)
PAES 423:2012	Agricultural Structures - Poultry Dressing/Slaughtering Plant (Large Scale)

Testing and Evaluation of Agricultural Machinery

One hundred seventy-two (172) machines were tested from 2011-2012 consisting of 44 prime movers, 32 irrigation machinery, 54 production machinery and 42 postharvest equipment. These included the combine harvester tested in Thailand and, the dryer, furnace and rice mill tested in Indonesia. Laboratory and field tests were conducted on these machines and corresponding test reports were prepared. Engines and pumps were tested at AMTEC while the rest were tested on site.

One hundred seventy-nine (179) machines were tested from 2012-2013 consisting of 52 prime movers, 22 irrigation machinery, 52 production machinery and 53 postharvest equipment. Laboratory and field tests were conducted on these machines and corresponding test reports were prepared. Engines and pumps were tested at AMTEC while the rest were tested on site.



Extension Activities - IAE

In line with the university's functions (instruction, research, and extension), the College also implements extension activities.

Date	Personnel Involved	Title of Activity	Collaborating Agency
November 18, 2013	Yaptenco KF	Current Status of Heat Treatment of Mango by Hot Water Immersion. Special Symposium & Agritech Showcase: Innovation and Excellence in Food, Agriculture and Entrepreneurship	ABPROD, IAE and Crop Science Cluster – UPLB College of Agriculture / SMART Communication / Cornell Club of the Philippines
November 2013 - present	AA Delos Reyes Jr	Technical Committee on the Development of Phil. Agricultural Engineering Standards on Soil and Water Laboratory Testing	PCAARRD, AMTEC
September 13, 2013 (On going extension project)	RMCAmongo, ARElepano, JDRamos, MRSantiago	Enhancing Farmer's productivity through the Introduction of Appropriate Agricultural Mechanization Technologies Pledge of Commitment AMDP, IAE, CEAT, UPLB and The Province of Siquijor	AMDP-IAE and Provincial Government of Siquijor
February 2013 - present	RA Luyun Jr	Technical Committee on the Development of Phil. Agricultural Engineering Standards on Irrigation	PCAARRD, AMTEC
January 2013 (On going extension project)	RMCAmongo, MK-SOnal, RSPangan, BCGeronimo	UPLB-PSFI Collaborative Mechanization Project	AMDP-IAE and Pilipinas Shell Foundation, Inc. at the Shell Training Center, Pililla, Rizal
October 18, 2012 (On going extension project)	RMCAmongo, ARElepano, JDRamos, MRSantiago	Collaborative Project between AMDP CEAT UPLB and the Municipality of Dumingag Zamboanga del Sur Pledge of Commitment AMDP, IAE, CEAT, UPLB and LGU of Dumingag, Zamboanga del Sur.	AMDP IAE and Local Government of Dumingag, Zamboanga del Sur
February 2012 - present	RA Luyun Jr.	UPLB Representative to the Water Resources Subcommittee, Phil. Council for Sustainable Dev't – Comm. on the Conservation and Mgt of Resources	BSWM
January 2012 (On going extension project)	MVL Laronia, Study Leader MC Bueno , Extension Specialist BC Geronimo Project Staff	Socio-economic and mechanization profile of the production-processing system for the following AMDP Project sites Dumingag, Zamboanga del Sur(rice and corn); Siquijor Province (corn and cassava); and (4) Bondoc Peninsula (corn and coconut)	AMDP-IAE and LGU of Dumingag Province of Siquijor Province of Quezon
January 2011 (On going extension project)	Engr. JD De Ramos , Project Leader Engr. MR Santiago, Study Leader	Introduction of Corn Mechanization Technologies in Region 7	AMDP-IAE and Farmer Scientists Training Program, UPLB DA RFU 7
January 2011 (On going extension project)	MC Bueno , Extension Specialist MVL Laronia, Study Leader	Socio-economic and mechanization profile of the corn production-processing system of the Calamba project site	AMDP-IAE and LGU of Calamba

Date	Personnel Involved	Title of Activity	Collaborating Agency
January 2011 (On going extension project)	BC Geronimo, RS Pangan, VA Rodulfo, Jr.	High value crops and Corn Production and Processing Mechanization Program in Region IV Introduction of mechanization technologies for white corn production in Bondoc peninsula	AMDP-IAE Province of Laguna and Quezon
January 2011 (On going extension project)	BC Geronimo, Project Staff	Collaboration with IPB in the UPLB corn program	AMDP-IAE and IPB-CA
January 2011 (On going extension project)	MCBueno, Project Leader	Corn Production and Processing Mechanization Program in Region IV	AMDP-IAE and LGU Calamba City
2011- present	MR Santiago, PM Tarnate, EC Escobar	AMDP Lecture Series	AMDP-CEAT and ES Dept.-CEAT
January 2007 (On going extension project)	AR Elepano, Member of PGPC Steering Com. VA Rodulfo, Jr., Member of R&D Com RMC Amongo & RS Pangan, Policy Advocacy and Inst. Dev. Committee MVL Larona, BC Geronimo, MR Santiago, Member, Training, Extension & Info Dis Com.	Participation in the Philippine Grains Postproduction Consortium	AMDP-IAE and PCAF, NFA, PhilRice, PhilMech, IRRI
Continuing activity	EK Peralta, MV Larona, RC Amongo, JL Movillon, RB Saludes, AA delos Reyes	Publication of the Philippine Journal of Agricultural & BioSystems Engineering (PJABE); Philippine Agricultural Mechanization Bulletin (PAMB); other extension materials (e.g. leaflets, posters in tarpaulin, etc)	AMDP-IAE-CEAT
Continuing activity	Study Leaders: JD De Ramos, MVL Larona, Division Coordinators	AMDP and IAE website and CEAT Newsletter	AMDP-IAE-CEAT
Continuing activity	MC Bueno, Extension Specialist BC Geronimo, Extension Specialist MR Santiago, Extension Engineer MVL Larona, Managing Editor	Promotion of AMDP developed agricultural mechanization technologies Production of audio/visual presentation for AMDP Publication of printed materials for information dissemination of agricultural mechanization (brochures, leaflets, posters, etc.)	AMDP-IAE-CEAT

Programs Established - Department of Industrial Engineering

Management Systems Engineering Program (MSEP) aims to play a major role in meeting the public and private organizations' needs in developing and implementing the management systems needed to provide for the timely delivery of high-quality, cost-effective output. Another program, the Human Systems Engineering Program (HSEP), aims to provide capability and expertise in human systems for better product design and work environment. This is a world-class university funded project.

Accomplishments	Budget Awarded (Php)	Program	Date
<p>EQUIPMENT/SOFTWARE ACQUIRED:</p> <ol style="list-style-type: none"> 1. Workstations (12 units) 2. AutoCAD Software (license for 12 units) including training <p>TRAININGS:</p> <ol style="list-style-type: none"> 1. 5S Awareness & Implementation (24-Feb-14) 2. Management Systems Eng'g Concepts & Application (Sept. 24-26, 2013) 3. PHOTOSHOP Training (13-Jul-13) 4. AUTOCAD Training (June 26-27, 2013) 5. PROPLANNER Training (Jan.16-18, 2013) <p>RESEARCH & EXTENSION:</p> <ol style="list-style-type: none"> 1. Accenture Day (Job recruitment) (10-Apr-14) 2. Efficiency Improvement of the Inventory System through Plant Layout Optimization and Web based Inventory System Development of Supply and Property Management Office at UPLB (2nd Semester 2013-14) 3. Streamlining the Procurement Process of UPLB (Summer 2013 to 1st Semester 2013-14) 	1,000,000	Management Systems Engineering Program (MSEP)	2013
<p>EQUIPMENT/SOFTWARE FOR ACQUISITION (using P1M budget):</p> <ol style="list-style-type: none"> 1. Lab equipment worth P600K 2. Audiovisual equipment worth P187K 3. Lab set up worth P160K <p>RESEARCH & EXTENSION:</p> <p>Establishment of Manpower to Poultry Ratio of the Manual and Semi-Manual Operations at Conpac Agro Incorporated Commercial Layer Farm at Pila, Laguna through Time and Motion Study (May - July 2014)</p>	1,000,000	Human Systems Engineering Program (HSEP)	July 2014

CEAT Website Development and Maintenance Committee

- Launched the fully updated website on September 2012 with features/information on
- Institute/Department/Support Units
- Academic Programs
- Academic Policies and Procedures
- Complete Faculty and Staff Profiles
- CEAT Researches
- Alumni Registry/Database
- Access to CEAT
- Student Information Tab containing updated information on registration, scholarships, conference/trainings, OJT/Jobs
- Faculty/Staff Information Tab containing updated information on guidelines, memorandum, scholarships, chairs/grants/promotion
- Thesis/Practicum Abstract Database
- Faculty-Student Relation Officers (FSRO) Appointment Form
- Department Websites available except for ES Department website.

CEAT Institutional Linkages

- ASEAN University Network (AUN) Accreditation of two CEAT degree programs – September 2014 for BS Agricultural and Biosystems Engineering program and January 2015 for BS Chemical Engineering program
- Hosting of International Students from Chonbuk National University, South Korea. 15 students took ABE 191-Special Topic from August to October 2013. Two students took courses at the IAE and CE Department from November to March 2014.

CEAT Faculty-Student Relations Officers (FSRO)

- CEAT Units (Institute of Agricultural Engineering Divisions, Chemical Engineering Department, Civil Engineering Department, Electrical Engineering Department, Industrial Engineering Department) introduced the FSRO Program to students during the 2013 Department Christmas Party Celebration.
- Dissemination about FSRO Program and FSRO Coordinators on CEAT Website with an appointment request form (to protect student's privacy)





Increase refereed articles in journals

As the College strives on conducting different research and projects, we also aim to have most of our projects published in refereed journals.

Publications in Journals

Civil Engineering

Date	Author	Title	Publication Details
May 2013	Perlie P. Velasco	Climate Change Analysis of Lake Victoria Outflows (Africa) using Soil and Water Assessment Tool (SWAT) and General Circulation Models (GCMs)	ISI Journal: Asia Life Sciences
2012	Marloe B. Sundo and Marish S. Madlang-bayan	An Engineering Design and Financial Implications of a Proposed UPLB Sanitary Landfill	Journal of Human Ecology
2012	Richelle G. Zafra	Seismic Performance of a Full-Size Polypropylene Fiber Reinforced Cement Composite Bridge Column Based on E-Defense Shake Table Experiments	ISI Journal: Journal of Earthquake Engineering
2013	Marish S. Madlang-bayan (co-author)	Some Physical and Mechanical Properties of Pili Nut (Canarium ovatum Engl. cv. 'Katutubo')	ISI Journal: Philippine (Agricultural Scientist)

Date	Author(s)	Title of Paper	Publication Details
2010	Del Rosariom E.E., R.F. Rañola, Jr., R.B. Demafelis, A.R. El-epañó, B.G. Bataller	Feasibility of Producing Bioethanol from Cassava Feedstock in the Philippines	Philippine Journal of Crop Science. 35(3): 9-21
2011	Bambase, M.E. Jr., R.B. Demafelis, R.E. Vibal, E.C. Escobar, E.D. Revellame, J.A. Capunitan, L.S.H. Dizon	Transesterification of <i>Jatropha curcas</i> L. Oil with Petroleum Ether as Dispersal Medium	Philippine Journal of Crop Science. 36(2): 48-55
Dec 2011	Borines, M. G. McHenry, M. P. de Leon, R. L.	Bioethanol production from farming non-food macroalgae in Pacific island nations: Chemical constituents, bioethanol yields, and prospective species in the Philippines	Renewable and Sustainable Energy Reviews 15: 4432-4435. Doi: 10.1016/j_rser.2011.07.109
Apr 2012	Movillon, J.L. Demafelis, R.B. Bautista, R.P. Lacsa, M.C. Viray, D.M.C. Cordova, K.J.	Effects of Antioxidants Extracted from Leaves of " <i>Banaba</i> " (<i>Lagerstroemia speciosa</i> L.) Mangosteen (<i>Garcinia mangostana</i> L.) and " <i>Tsaang Gubat</i> " (<i>Ehretia microphylla</i> L.) on the Oxidation Stability of Biodiesel from <i>Jatropha curcas</i> L.	The Philippine Journal of Crop Science. 37(1), pp. 8-14
Apr 2012	Razal, R. A. Daracan, V.C. Calapis, R.M. Angon, C.M.M. Demafelis, R.B.	Solvent Extraction of Oil from Bani (<i>Pongamia Pinnata</i> (L.) Pierre) Seeds.	The Philippine Journal of Crop Science. 37(1): pp. 1-7.
Jun 2012	Del Barrio, M.C. Demafelis, R.B. Mercado, S.M. Movillon, J.L. Rebancos, C.M.	Growth Kinetics of <i>Rhizopus chinensis</i> Saito BIO-TECH 3273 in the Production of Microbial Rennet Using Coconut Paring Cake as Substrate. The Philippine	Agricultural Scientist Vol. 95 (2): 129-138.
Jun 2012	Maguyon, M.C.C. Alfara, C.G. Migo, V.P. Movillon. J.L. Rebancos, C.M.	Recovery of Copper from Spent Solid Printed-Circuit-Board (PCB) Wastes of a PCB Manufacturing Facility by Two-Step Sequential Acid Extraction and Electrochemical Deposition	Journal of Environmental Science and Management 15(1): pp. 17-27.
Jun 2012	Alfara, C.G. Maguyon, M.C.C. Laurio, M.V.O. Migo, V.P. Trinidad, L.C. Ompad, E. Sunga, J.M. Mendoza, M.	Scale-Up and Operating Factors for Electrolytic Silver Recovery from Effluents of Artisanal Used-Gold-Jewelry Smelting Plants in the Philippines.	Blacksmith Institute Journal of Health and Pollution 2(3): pp. 32-42.
March 2013	Borines, M. G. de Leon, R. L. Cuello, J.L.	Bioethanol production from the macroalgae <i>Sargassum</i> spp.	Bioresource Technology 138 (2013) 22–29.
Dec 2013	Maguyon, M.C.C. Capareda, S.C.	Evaluating the Effects of Temperature on Pressurized Pyrolysis of <i>Nannochloropsis oculata</i> Based on Products Yields and Characteristics	Energy Conversion and Management Journal. Vol. 76. Pp. 764-773
May 2014	Capunitan, J.A., S.C. Capareda.	Hydrotreatment of corn stover Bio-oil Using Noble Metal Catalysts	Fuel Processing Technology. 125(2014) 190-199
August 2013	Santiago, D.E.O. Demafelis, R.B. Goss, M.R. Nacorda J.O.O. Torreta, N.K. Bataller, B.G. Redondo, M.J.H. Jao, N.L. Dizon, L.S.H.	Design, Fabrication and Performance Evaluation of a Photobioreactor for the Cultivation of <i>Chlorella vulgaris</i> (Beijerinck).	Philippine Journal of Crop Science. Vol 38(2): pp. 21-29
2013	Demafelis, R.B., Baticados E.J.N., Hourani, K.A., Tongko, B.D.	Potential of Bioethanol Production from Sweet Sorghum in the Philippines: An Income Analyses for Farmers and Distilleries.	Sugar Tech. Vol 15(3): 225-231
2014	Capunitan JA and SC Capareda	Hydrotreatment of corn stover Bio-oil Using Noble Metal Catalysts.	Fuel Processing Technology. 125 pp. 190-199

Date	Author(s)	Title of Paper	Publication Details
2014	Fajardo A.L., D.C. Suministrado, E.K. Peralta, P.M. Bato, and E.P. Paningbatan	Force and Puddling Characteristics of the Tilling Wheel of Float-assisted Tillers at Different Lug Angle and Shaft Speed.	Soil and Tillage Research 140(2014): pp 118-125.
2014	Ignacio, MCCD, EK Peralta, MM Peralta, DC Suministrado	Thermophysical Properties of Nanosilica-in-fluid Dispersion (nanofluid) derived from Rice hull Ash	The Philippine Journal for Crop Science 39(1): 20-29
2013	Linan,E.L, V.B Ella, L.M Florece	GIS-based assessment of groundwater vulnerability to contamination in Boracay island using DRASTIC model	Journal of Environmental Science and Management,16(2) 19-27
2013	Ella,V.B., J.Keller, M.R Reyes and R.Yoder	A low-cost pressure regulator for improving the water distribution uniformity of a micro-tube-type drip irrigation system	Applied Engineering in Agriculture 29(3):343-349
2013	Gallegos R.K.B., R.B. Saludes, F.O. Paras,Jr.	Bowen Ratio Estimates in Greenhouse and Open Field Conditions of the University of the Philippines Los Baños	Asia Life Sciences, 22(2):699-712
2013	Lu, MMD, E.K. Peralta, A.R. Elepaño, K.F. Yaptenco, D.C. Suministrado, M.M. Peralta	Characterization and performance analysis of nanosilica powders from rice hull ash as moisture sorbents	Philippine Agricultural Scientist. 96(3): 256-266
2013	Gallegos Ralph Kristoffer B, Delfin C. Suministrado, Rossana Marie C. Amongo, Marish S. Madlangbayan	Some Physical and Mechanical Properties of Pili (Canarium ovatum Engl. cv. Katutubo) Nut as a Function of Nut Moisture Content	Philippine Agricultural Scientist. 96(1). pp.66-74
2013	Yaptenco K.F., M.P. Angeles, E.B. Esguerra, E.P. Serano, M.A. Cho, S.T. Choi	Nondestructive firmness measurement as a maturity index for 'Carabao' mango (Mangifera indica L.) fruit	Philippine Agricultural Scientist. 96(1): 55-65
2012	Rola, W.R., R.B. Badayos, P.C. Sta Cruz, M.A. Dorado, R.O. Rogel, and F.R Monsalud	Integrating bio-physical, social, financial and market factors for a sustainable upland agricultural development in Casiguran, Aurora, Philippines	The Philippine Journal of Crop Science. 37(3), pp 40-54
2012	Arias, J., M. A. Dorado, and R. Dorado	Economic vulnerability and analysis of adaptation options to coastal erosion in San Fernando, La Union	Journal of Environmental Science and Management. 15(2)
2012	David, W.P., M.F. delos Reyes, M.G. Villano, A.L. Fajardo.	Faulty Design Parameters and Criteria of Farm Water Requirements Result in Poor Performance of Canal Irrigation Systems in Ilocos Norte, Philippines.	Philippine Agricultural Scientist. 95(2), 199-208
2012	David, W.P., M.F. delos Reyes, M.G. Villano, A.L. Fajardo.	Design Shortcomings of the Headwork and Water Distribution and Control Facilities of the Canal Irrigation Systems in Ilocos Norte, Philippines.	Philippine Agricultural Scientist, 95(1), 64-78
2011	Luyun, R. A. Jr., K. Momii and K. Nakagawa	Effects of recharge wells and flow barriers on seawater intrusion	Ground Water/Vol. 49 (2)/239-249
2011	Phoumphon, K., M.V.O. Espaldon, C.M. Rebanco, and M.A. Dorado,	Dynamics of Land Use in Namhoum Watershed, Nasaythong District, Vientiane Capital, Lao PDR	Journal of Environmental Science and Management. 14(1)

Department of Industrial Engineering

Date	Author(s)	Title of Paper	Publication Details
December 2013	Haerold Dean Z. Layaoen	Evaluation and Analysis of Two Village Level Models for Sweet Sorghum Cane Processing in Ilocos Norte, Philippines	The Philippine Journal of Crop Science (PJCS) ISSN 0115-463x December 2013, 38 (3): 18-30
June 2014	MIG Isip	Effect of a Standing Body Position during College Students' Exam: Implications on Cognitive Test Performance	Industrial Engineering and Management Systems Volume 13, Issue ,2, 2014, pp.185-192 Publisher : Korean Institute of Industrial Engineers DOI : 10.7232/iems.2014.13.2.185

Department of Electrical Engineering

Date	Author(s)	Title of Paper	Publication Details
2011	Catriz, RL (Main), Amongo, RMC, Fajardo, AL, Juan, CB	Analysis on the Voltate Drop of Off-Grid Single Wire Earth Return (SWER) Distribution Line and its Potential Applications in a Mircohydro System	Publication Journal of Agricultural and Biosystems Engineering Vol. IX, pp 29-40

Department of Engineering Science

Date	Author(s)	Title of Paper	Publication Details
September 2013	Asst. Prof. Ma. Morissa D. Lu - Main and corresponding author	Characterization and performance analysis of nanosilica powders from rice hull ash as moisture sorbents.	Philippine Agricultural Scientist. 96 (3) pp 256-266.
September 2013	Asst. Prof. Julius Rhoan T. LUSTRO - Main and corresponding author	Long-term rigorous numerical integration of Navier-Stokes equation by Newton-GMRES iteration.	Transactions of Nanjing University of Aeronautics and Astronautics. 30 (3).



Enhanced exposure locally and internationally for staff and students

The College makes it a point that its students and faculty are not only confined to the walls of the academe. We encourage them to be more exposed both locally and internationally. These include the following efforts: faculty members providing direct delivery of technical assistance, MOA signing with different institutions, welcoming visiting professors and exchange students from other countries, working on AUN accreditation, and joining job fairs. The faculty members have also held and attended a number of trainings and workshops to enrich the faculty members' skills. Lastly, with all of our faculty and students' efforts, we never fail to recognize them. We have also included in this section the awards that have been given to our faculty and students.

Direct Delivery of Technical Assistance

Department of Civil Engineering

Name of CE Faculty	Technical Assistance
Perlie P. Velasco	Consultant of OVCCA on Standardization of UPLB Traffic Signs Member of the Committee under OVCCA that studied Pollution Control in UPLB
Dan Michael A. Sadia	Member of the Committee under OVCCA that studied the Standardization of UPLB Traffic Signs
Eliseo V. Ana	Chairman of the Adhoc Committee to craft the Terms of Reference for the Rehabilitation of the UPLB Sewage Treatment Plant

Name of CE Faculty	Technical Assistance
Marish S. Madlangbayan	<p>Chairman of the Adhoc Committee to Study the Migration of Power Connection of UPLB to MERALCO</p> <p>Project Manager of the Small Classroom and Laboratory Renovation Project of UPLB</p> <p>Member of the Adhoc Committee to craft the Terms of Reference of the following UPLB Infrastructure Projects:</p> <ol style="list-style-type: none"> PhilTrop Building Integrated Analytical Service Laboratory E-Lib, ITC and ILC Building Graduate School Intl Student Center Border Management Project UPLB Sewage Treatment Plant Multi-Purpose Hall <p>h. UHS Annex Building</p> <p>Chairman of the Technical Working Group for the Bidding of the following infrastructure projects:</p> <ol style="list-style-type: none"> Integrated Analytical Service Laboratory PhilTrop Building Border Management Project
Richelle G. Zafra Joseph M. Caburnay Melvin B. Solomon April Joy B. Coleta	<p>Members of the Adhoc Committee to craft Terms of Reference for the following infrastructure projects:</p> <ol style="list-style-type: none"> Construction of the Multi-Purpose Hall UHS Annex Building
Joseph M. Caburnay Timothy M. Bertiz	Engineers assigned to conduct the Structural Design and Analysis of the Steel Frame for the Construction of the UPLB Multi-purpose Hall

Institute of Agricultural Engineering

Date	Personnel Involved	Type of Technical Assistance	Requesting Party
March 2014 - present	VA Rodulfo Jr.	Task Force to Develop Projects for the Communities in Leyte affected by the typhoon Yolanda	UPLB, Circulo Baruguenos
February 20-21, 2014	MCCDIgnacio (Coordinator)	Short course on Rice Postharvest Processing and Drying to personnel of SL Agritech	SL AGRITECH Personnel
2014	RMC Amongo VA Rodulfo, Jr. MVL Larona AC Del Rosario JD de Ramos RS Pangan MR Santiago MC Bueno BC Geronimo AN Resurreccion	Participation in the implementation of RA 10601	NAFC, Dept of Agriculture
April 24, 2013	JD De Ramos AC del Rosario	Technical assistance to local manufacturer in the modification of a village-type corn mill	Mr. Samuel Tubal Bgy Catulayan San Juan, Siquijor
2013 - 2014	VA Rodulfo, Jr. AR Elepaño	Evaluation of the NFA dryers for rehabilitation	National Food Authority and PGPC

Date	Personnel Involved	Type of Technical Assistance	Requesting Party
2013	VA Rodulfo, Jr. RMC Amongo AC Del Rosario JD de Ramos RS Pangan MR Santiago MC Bueno BC Geronimo AN Resurreccion	Drafting of the IRR for AFMech Law (R.A. 10601)	NAFC, Dept of Agrculture
2012 - 2013	VA Rodulfo, Jr. RMC Amongo MVL Larona	Drafting of the AFMech Bill	NAFC, Dept of Agrculture
2012 - 2013	VA Rodulfo, Jr. AR Elepaño	Technical evaluation of recirculating dryers owned by the Local Government of Nueva Ecija	Philippine Grains Postproduction Consortium (PGPC) and the Rice Program of the Dept. of Agriculture
2012 -2013	RMCAmongo FOParas,Jr. RKBGallegos MKSONal VA Rodulfo, Jr.	Evaluation of agricultural machineries to be procured by the Dept of Agrarian Reform (DAR)	ARCESS, DAR
2012	RS Pangan	Technical Assistance	Philippine Autism Society, Los Baños, Laguna
2011 -2014	RS Pangan BC Geronimo	Organic Fertilizer Production	Pilipinas Shell Foundation, Inc. at the Shell Training Center, Pililla, Rizal
2011 -2014	VA Rodulfo, Jr. JD De Ramos RS Pangan	Improvement of the citronella processing	UPLB Land Grant, Siniloan, Laguna

Department of Electrical Engineering

Personnel Involved	Technical Assistance
Engr. Benjamin Jonas V. Beltran	Comfort Room renovations - ICOPED, CEM
Engr. Kristel Mae V. Villasin	Comfort Room renovations - IBS Wing
Engr. Jayson G. Corpuz	Comfort Room renovations - AG Samonte Hall
Engr. Aryan Paula A. Manalo	Comfort Room renovations - CPAF Ground floor male and female
Engr. Athena P. Lavega	Main Library - Main lib ground and 2nd floor (6 restrooms)
Engr. Adrian R. Quicoy	Main Library - Mainlib roofing
Engr. Romel A. Parmis	Main Library - Executive Parking
Engr. John Paolo A. Ramoso	LED Mounting
Engr. Melvin C. Ilang-Ilang	Design of UPLB waterline
Engr. Karen-Christian C. Agno	Multi purpose hall

Faculty Member/s	Role	Duration
Asst. Prof. Aileen Grace M. Ongkiko	Coordinator, CEAT NSTP	1 June 2013- 31 May 2014
Engr. Ryo M. Toyoda	Coach, UPLB SepakTakraw	August 2013- May 2014
Asst. Prof. Erwin C. Escobar	Member, UPLB Ethics Committee	1 October 2013- 31 December 2014
Engr. Glenn V. Latag	Coordinator, CEAT NSTP	1 June 2014- 31 July 2015
Asst. Prof. Maria Morissa D. Lu Asst. Prof. Romina Gloria M. Bon- dad Engr. Joey M. Velarde	OVCPD Program Development Associ- ate	1 February 2014- 30 April 2014
Asst. Prof. Aileen Grace M. Ongkiko	Part-time Chair, UPLB Bids and Awards Committee (BAC) Secretariat	1 April 2014- 31 July 2014
Asst. Prof. Aileen Grace M. Ongkiko	Asst. Prof. Aileen Grace M. Ongkiko	1 January 2014- 31 March 2014
Asst. Prof. Jasmin Z. Vasquez	Member, BAC- Technical Working Group	1 January 2014- 31 December 2014
Engr. Joey M. Velarde	Member, BAC- Technical Working Group	1 January 2014- 31 December 2014
Asst. Prof. Erwin C. Escobar Asst. Prof. Ariel U. Glorioso Asst. Prof. Donna Wren B. Libunao Asst. Prof. Paolo Rommel P. San- chez Engr. Ryo M. Toyoda	OVCPD Program Development Associ- ate	1 July 2014- 31 August 2014
Asst. Prof. Erwin C. Escobar	Vice- Chair, UPLB BAC (Infra)	1 July 2014- 31 December 2014

Lectures Sponsored by AMDP - IAE

The first lecture series came about during the College's Centennial Celebration in 2012. From then on, the College continuously sponsors these lecture series. The lectures aim to share the results of the study of Faculty members to aide 199 and graduate students in their theses.

Date	Author	Title of Lecture	Venue/Sponsoring Agency
September 2013	FC Eala	A Glimpse of the Philippine Sugar Industry	CEAT
September 2013	JMR Dikitanan	Industrial Wastewater Coagulation Using Ferrate Derived from Waste Iron Sludge	CEAT
August 2013	RAD Valencia	Update on the Standardization of Government Procurement Planning Using System Analysis and Design	CEAT
August 2013	JA Revilla	A Comparative Study of Performance between Operators with Work Discontinuity and without Work Discontinuity	CEAT
April 2013	M Okubo	Agricultural Machinery and Technologies in the Developing Countries	CEAT
March 2013	IA Sarmiento	Critical Role of Students and the Culture of QPR&S in National Development	CEAT
October 1, 2012	RA. Luyun, Jr.	Laboratory-Scale Investigation of the Dynamics of Artificial Recharge of Aquifers	CEAT
September 10, 2012	KF. Yaptenco	Heat Treatment of High-Value Crops by Hot Water Immersion	CEAT
August 13, 2012	FO Paras, Jr.	Development of SINAG: An Energy Efficient Egg Incubation System	CEAT
August 6, 2012	RS Pangan	Development and Introduction of Appropriate Mechanization Technology for the Production of High Value Commercial Crops	CEAT
July 23, 2012	AL Fajardo	Evaluation of the System Efficiencies of Different Pump-Sets for Shallow Tube Well Irrigation	CEAT
July 16, 2012	MKS Onal	Field Testing of a Jeepney-Mounted Micro-Wecs for Rural Off-Grid Area	CEAT
July 9, 2012	VM Tiangco	Overview of the Renewable Energy in California: Some Insights for Community Development in Southeast Asia	CEAT
April 30, 2012	RR del Mundo	Assessment of the Philippine Electric Power Industry and Markets after 10 Years of the EPIRA Law	CEAT
April 23, 2012	RL Catriz	Voltage Drop Analysis for Short-Distance Single Wire Earth Return (SWER) Distribution System	CEAT
March 19, 2012	MM Lu	Characterization and Performance Analysis of Nanosilica Powders from Rice Hull Ash as Moisture Sorbents	CEAT
March 5, 2012	PRP Sanchez	Development of a Fluidyne Water Pump for Irrigation	CEAT
March 2, 2012	DB de Padua	The Best Years of CEAT	CEAT
February 28, 2012	GR Maranan	Comprehensive Numerical Analysis of Nuclear Power Plant Building Subjected to Seismic Loads	CEAT
February 20, 2012	AN Resurreccion AR Elepaño EK Peralta JL Movillon RB Demafelis MA Dorado MLY Castro	Aligning CEAT to UP's Role as a National University in the Next 18 Years: A Roadmap	CEAT

Date	Author	Title of Lecture	Venue/Sponsoring Agency
February 13, 2012	KT Solon	Anaerobic Digestion of Manure: Improved Modeling by Taking into Account Physico-Chemical Effects	CEAT
February 6, 2012	RG Zafra	Seismic Performance of a Full-Scale Polypropylene Fiber Reinforced Cement Composite Bridge Column Based on E-Defense Shake-Table Excitation	CEAT
January 16, 2012	EP Lozada	Generation Characteristics of the Los Baños (EPL-2) Burner	CEAT
January 4, 2012	AH Mondala	Research and Graduate Education at the Bagley College of Engineering – Mississippi State University	CEAT
December 12, 2011	LB Ganancial Jr. G Ibarrientos	LEAD ACID BATTERY: Application, O&M and Sizing	CEAT

AMTEC Staff Involvement

Faculty Involved	Involvement	Details
Delfin Suministrado	Speaker	15th Pre-Professional Group (PPG) Annual Luzon Convention December 1-3, 2012 Bulacan Agricultural State College
Delfin Suministrado Darwin C. Aranguren	Speaker Member of the board of judges	PAESTIGAN 2012: 2nd Annual Inter-Luzon State Colleges and Universities PAES Quiz Contest January 28, 2012
Delfin Suministrado	Speaker	Seminar Workshop on the Engineering Curriculum and the Practice of the Agricultural Profession February 7-8, 2012 DA, Quezon City
Delfin Suministrado	Speaker	General Training Course on Rice Postharvest and Mechanization April 16-20, 2012
Romulo Eusebio	Resource Person	Skills Training on the Technical Evaluation of Selected Agricultural Machineries DA-PhilMech CLSU Science City of Munos, Nueva Ecija November 5-13, 2012

Faculty Awards

Civil Engineering

Name	Award	Date
Marish S. Madlangbayan	Centennial Faculty Grant	June 2013
Marish S. Madlangbayan	2011 Distinguished Alumni Award	October 2011
Marish S. Madlangbayan	Ceat Loyalty Service Award	February 2014
Perlie P. Velasco	International Publication Award	2013
Eliseo V. Ana	International Publication Award	2011
Richelle G. Zafra	International Publication Award	2011

Department of Chemical Engineering

Awardee	Award Details
Dr. Jovita L. Movillon	<ul style="list-style-type: none"> 2011 International Publication Award 2012 International Publication Award 2013 CEAT Outstanding Senior Faculty 2013 UPLB Centennial Professorial Chair 2014 CEAT Loyalty Award
Prof. Rex B. Demafelis	<ul style="list-style-type: none"> 2011 International Publication Award 2012 International Publication Award 2013 International Publication Award 2013PICHE Most Outstanding Chemical Engineering 2013 PRC Most Outstanding Professional 2013 UPLB Centennial Professorial Chair 2014 Most Outstanding Alumnus in Science and Technology (University of San Agustin, Iloilo) 2014 UPLB Most Outstanding Researcher in Natural Sciences
Dr. Catalino G. Alfara	2012 CEAT Outstanding Researcher
Dr. Manolito E. Bambase Jr.	2013 UPLB Centennial Professorial Chair
Engr. Butch G. Bataller	2012 CEAT Outstanding Junior Faculty
Assoc. Prof. Myra G. Borines	Best Student Oral Presentation Award, 5th International Conference on Challenges of Environmental Science and Engineering
Asst. Prof. Ramer P. Bautista	2012 UPLB Centennial Faculty Grant
Asst. Prof. Jeanne Michelle T Valencia	2013 UPLB Centennial Faculty Grant
Dr. Jovita L. Movillon	2011 International Publication Award 2012 International Publication Award 2013 CEAT Outstanding Senior Faculty 2013 UPLB Centennial Professorial Chair 2014 CEAT Loyalty Award
Prof. Rex B. Demafelis	2011 International Publication Award 2012 International Publication Award 2013 International Publication Award 2013PICHE Most Outstanding Chemical Engineering 2013 PRC Most Outstanding Professional 2013 UPLB Centennial Professorial Chair 2014 UPLB Most Outstanding Researcher in Natural Sciences 2014 Most Outstanding Alumnus in Science and Technology
Dr. Catalino G. Alfara	2012 CEAT Outstanding Researcher
Dr. Manolito E. Bambase Jr.	2013 UPLB Centennial Professorial Chair

Awardee	Award Details
Engr. Butch G. Bataller	2012 CEAT Outstanding Junior Faculty
Assoc. Prof. Myra G. Borines	Best Student Oral Presentation Award, 5th International Conference on Challenges of Environmental Science and Engineering
Asst. Prof. Ramer P. Bautista	2012 UPLB Centennial Faculty Grant
Asst. Prof. Jeanne Michelle T. Valencia	2013 UPLB Centennial Faculty Grant
Engr. Jerico Z. Alcantara	2013 UPLB Centennial Faculty Grant
Dr. Myra G. Borines	2011 UP International Publication Award 2012 UP International Publication Award 2013 UP International Publication Award
Dr. Monet Concepcion C. Maguyon	2nd Place at Student Research Week Texas A&M University
Asst. Prof. Marilyn C. del Barrio	2013 International Publication Award

Department of Industrial Engineering

Name	Award	Date
Haerold Dean Z. Layaoen	UPLB Centennial Faculty Grant	A.Y. 2013-2014

Department of Electrical Engineering

Awardee	Award Details
Bonifacio P. Damasco	2012 CEAT Outstanding Technician
Ana Marie G. Gabatin	2013 CEAT Outstanding Administrative Staff
Rodolfo A. Ramos	2014 CEAT Outstanding Blue Collar Personnel
Adrian Agosto M. Sumalde	<ul style="list-style-type: none"> 2014 CEAT Outstanding Junior Faculty 2014 UPLB Outstanding Teacher Award (Physical Sciences Division - Junior Category)
Roderick L. Catriz	<ul style="list-style-type: none"> 2014 CEAT Outstanding Senior Faculty 2014 UPLB Outstanding Teacher Award (Physical Sciences Division - Senior Category)

Institute of Agricultural Engineering

Name	Award Details
Fajardo A.L., Suministrado D.C., Peralta E.K., Bato P.M., and Paningbatan E.P.	2014 International Publication Award (UP System)
Carandang, M, MCCD Ignacio, et.al	2014 UPLB Centennial Professorial Chair (UPLB)
Amongo, Rossana Marie C. & Delfin C. Suministrado	2014 UPLB Centennial Professorial Chair (UPLB)
Onal, MKS, ANResurreccion, RMCAmongo, DC-Suministrado, JCElauria	3rd Place- Paper Presentation Development and Field Testing of Jeepney-mounted Micro WECS for Battery Charging Applications in Naujan, Oriental Mindoro, Phils STCIERD's 2nd S&T Forum and Competition May 29, 2014
Pangan,RS, KFYaptengco, SPardua, ELOlapitan	Best Paper Award, 1st Place Design and Development of a Hybrid dryer for a More Efficient Drying of Sea Cucumber. 64th PSAE National Convention April 21-25, 2014.
Elauria, Jessie C.	Service Award 35 Years of Excellent Service 102nd CEAT Foundation Day & 35th AMDP Anniversary

Name	Award Details
Pepito M. Bato	Service Award 35 Years of Excellent Service 102nd CEAT Foundation Day & 35th AMDP Anniversary
Rossana Marie C. Amongo	Service Award 35 Years of Excellent Service 102nd CEAT Foundation Day & 35th AMDP Anniversary
Fernando O. Paras Jr.	Service Award 35 Years of Excellent Service 102nd CEAT Foundation Day & 35th AMDP Anniversary
Omar F. Zubia	Service Award 35 Years of Excellent Service 102nd CEAT Foundation Day & 35th AMDP Anniversary
Ralph Kristoffer B. Gallegos, Delfin C. Suministrado, Rossana Marie C. Amongo, Marish S. Madlangbayan	2013 International Publication Award
Victor B. Ella	2013 International Publication Award
Fei Xyza B. Asuncion, Rossana Marie C. Amongo, Delfin C. Suministrado, and Leonardo M. Florece	Best Poster in Energy R&D Track Characterization and Properties Evaluation of Sargassum Biomass Briquettes as Fuel. 2nd ERDT Congress June 14, 2013
Blastique, Alexander Atienza, Arsenio N. Resurreccion, Rossana Marie C. Amongo, Delfin C. Suministrado and Jessie C. Elauria.	3rd Best Technical Paper Presentation Agricultural Machinery & Mechanization Category. "Development of an Improved Pandan (Pandanus simplex Merr.) Leaf Flatteners (Part 1)" 63rd PSAE National Convention April 22-25, 2013
Angeli Grace M. Castalone, Delfin C. Suministrado, Rossana Marie C. Amongo, Romulo E. Eusebio, and Ralph Kristoffer B. Gallegos	2nd Best Technical Paper Presentation Energy & Power Technologies Category. "Use of the Different Blends of Jatropha Curcas Biodiesel as Fuel for the Performance Evaluation of Four-Wheel Tractor 63rd PSAE National Convention April 22-25, 2013
Ronel S. Pangan, Arthur L. Fajardo, Ralph Kristoffer B. Gallegos, Delfin C. Suministrado, JCSDeanon	Best Paper Award, 1st Place - Design and Development of a Granulator for a More Efficient Drying of Cassava. 63rd PSAE National Convention April 22-25, 2013
Ronel S. Pangan, Arthur L. Fajardo, Ralph Kristoffer B. Gallegos, Delfin C. Suministrado, JCSDeanon	Best Poster Award, 2nd Place - Design and Development of a Granulator for a More Efficient Drying of Cassava. 63rd PSAE National Convention April 22-25, 2013
Fernando O. Paras Jr., Arsenio N. Resurreccion, Delfin C. Suministrado, Ralph Kristoffer B. Gallegos, R.L. de Leon, R.P. Escobin Jr., and Rossana Marie C. Amongo	2nd Best Technical Paper Presentation Energy & Power Technologies Category. "Development of SINAG: A Solar-assisted Incubation System" .63rd PSAE National Convention April 22-25, 2013
Fernando O. Paras Jr., Arsenio N. Resurreccion, Delfin C. Suministrado, Ralph Kristoffer B. Gallegos, R.L. deLeon, R.P. Escobin Jr., and Rossana Marie C. Amongo	2nd Best Poster Paper Presentation Energy & Power Technologies Category "Development of SINAG: A Solar-assisted Incubation System".63rd PSAE National Convention April 22-25, 2013

Name	Award Details
Victor. A. Rodulfo Jr.	3rd Best Poster Paper Presentation Agricultural Machinery Category: Poster Presentation on the Design and Development of Mini Corn Mill April 22-25, 2013
Elisa R. San Juan, Rossana Marie C. Amongo, Delfin C. Suministrado, Ronaldo B. Saludes, and Mark Keylord S. Onal	1st Best Technical Paper Presentation Energy & Power Technologies Category: "Design Modification and Optimization of Low Head Microhydro System for Electricity Generation" 63rd PSAE National Convention April 22-25, 2013
Elisa R. San Juan, Rossana Marie C. Amongo, Delfin C. Suministrado, Ronaldo B. Saludes, and Mark Keylord S. Onal	3rd Best Poster Paper Presentation Energy & Power Technologies Category: "Design Modification and Optimization of Low Head Microhydro System for Electricity Generation" 63rd PSAE National Convention April 22-25, 2013
Rossana Marie C. Amongo AMDP Program Coordinator	Outstanding Research Team (AMDP Program Coordinator) March 6, 2013 (UPLB-CA)
Ella, Victor B.	2012 UP Scientific Productivity Award (UP System)
Engelbert K. Peralta, Arnold R. Elepaño	UPLB Centennial Professorial Chair July 1, 2011 to June 30, 2012
Rossana Marie C. Amongo, Julia Angela Mae E. Collado	1st Best Technical Paper Presentation Agricultural Machinery, Mechanization, and Instrumentation Category. "Design Improvement of the Local Two-wheel Tractor using Anthropometric Considerations" (Major Author). 62nd PSAE National Convention April 23-27, 2012
Ma. Cristine Concepcion D Ignacio, Engelbert K. Peralta	First Placer- Technical Paper Presentation. (Thermophysical Properties of Nanosilica-in-Fluid Dispersion (nanofluid) derived from Rice Hull Ash) . 62nd PSAE Annual National Convention, Puerto Princesa, Palawan April 23-27, 2012
Roger A. Luyun Jr.	1st Placer Technical Paper Presenters (Soil and Water, Irrigation, Water Management, Aquaculture Category) 62nd PSAE Annual National Convention April 23-27, 2012
Mark Keylord S. Onal, Arsenio N. Resurreccion, Rossana Marie C. Amongo, Delfin C. Suministrado, and Jessie C. Elauria.	1st Best Technical Paper Presentation Energy, Solar, Hydro, Wind Power, Biofuels, and Waste Utilization Category. "Field Testing of a Jeepney-Mounted Three-Bladed Micro Windmill for Rural Off-Grid Area" . 62nd PSAE National Convention April 23-27, 2012
Maria Jehosa B. Reyes, Arthur L. Fajardo, Rossana Marie C. Amongo, Delfin C. Suministrado, and Marvin C. Petingco	3rd Best Technical Paper Presentation Energy, Solar, Hydro, Wind Power, Biofuels, and Waste Utilization Category. "Evaluation of Centrifugal Pump as Turbine for Micro Hydro Applications" . 62nd PSAE National Convention April 23-27, 2012
Delfin C. Suministrado	<ul style="list-style-type: none"> 2012 UPAA Distinguished Alumni Award 2012 UPLB CEAT Distinguished Alumni Award 2012 CEAT Outstanding Senior Faculty
Arsenio N. Resurreccion, Arnold R. Elepaño, Engelbert K. Peralta, Jovita L. Movillon, Rex B. Demafelis, Moises A. Dorado, Marion Lux Y. Castro	July 1, 2011 to June 30, 2012 UPLB Centennial Professorial Chair
Roger A. Luyun Jr.	2011 International Publication Award

Name	Award Details
Aranda, I.D., E V. Casas, Engelbert K.Peralta, Jessie C. Elauria	2011 International Publication Award
Rossana Marie C. Amongo	July 1, 2010- June 30, 2011 SEARCA Professorial Chair
Delfin C. Suministrado	July 1, 2010- June 30, 2011 SEARCA Professorial Chair
Jessie C. Elauria	July 1, 2010- June 30, 2011 Philippine National Oil Company Professorial Chair
Victor B. Ella	July 1, 2010- June 30, 2011 UPLB Centennial Professorial Chair

Department of Engineering Science

Employee	Event/Venue/Date	Award
Erwin C. Escobar	UP Diliman, November 2013 February 26, 2014	The 2011 International Publication Award CEAT Loyalty Award
Paul Michael O. Tarnate	CEAT Foundation Day, DL Umali Hall, February 27, 2013	2013 CEAT Outstanding Junior Faculty
Sofio M. Eusebio	CEAT Foundation Day, DL Umali Hall, February 27, 2013	2013 CEAT Outstanding Technician
Ryo M. Toyoda	Awardsing Ceremony Magsaysay Future Engineers/Tech-nologists Award Traders Hotel, Pasay City 12 December 2013	2nd place, Magsaysay Future Engineers/Technologists Award
Adeliza A. Dorado	26 February 2014	CEAT Loyalty Award

Student Awards and Participation

Student Awards

Department of Chemical Engineering

Awardee	Award Details
Alvin James E. Asaytono	2014 BPI-DOST Science Award
Fernando C. Lit Ryo M. Toyoda	2013 BPI-DOST Science Award
Luis Felipe D. Lopez	2012 BPI-DOST Science Award Finalist to the 2012 Magsaysay Future Engineers/ Technologists Competition
Mark Benson M. Castillo Jomuel A. Velandres	2011 BPI-DOST Science Award

Department of Electrical Engineering

Awardee	Award Details
Raymond Joseph Marqueses	2012 Magsaysay Future Engineers/Technologists Award (Special Citation)
Chiliast B. Juan	2012 Magsaysay Future Engineers/Technologists Award (Special Citation) 2012 CEAT Best Thesis 2012 BPI-DOST Science Award and 1st Runner-up for Best Project of the Year
Bernard O. Sanchez	2014 BPI-DOST Science Award

Student's Participation

Department of Chemical Engineering

Event	Details
2010 Philippine Institute of Chemical Engineers (PIChE) Luzon Quiz Bowl	3rd Place November 27, 2010 Malayan Colleges, Laguna, Cabuyao, Laguna
2011 PIChENational Quiz Bowl	February 16, 2011 Colegio San Agustin, Bacolod City
2011 Inter-University Chemical Engineering Quiz Show	August 28, 2011 U.P. Diliman, Quezon City
2011 PIChE Luzon Quiz Bowl	2nd place December 3, 2011 Malayan Colleges Laguna, Cabuyao, Laguna
2012 PIChENational Quiz Bowl	February 15, 2012 North Eastern Mindanao Colleges, Surigao City
2012 Inter-University Chemical Engineering Quiz Show	August 25, 2012 U.P. Diliman, Quezon City
2013 PIChENational Quiz Bowl	February 20, 2013 Bicol University, Legaspi City
2013 Inter-University Chemical Engineering Quiz Show	August 26, 2013 U.P. Diliman, Quezon City
2014 PIChENational Quiz Bowl	February 26, 2014 De La Salle University, City of Manila

Department of Electrical Engineering

Event	Details
IIEE Regional Quiz Show and Math Wizard	3rd place Colegio de San Juan de Letran Calamba August 17, 2012
Interdepartment Debate Competition	Champion Makiling Ballroom Hall Student Union Building September 7, 2012
Association for Computing Machinery International Collegiate Programming Contest (ACM ICPC) Philippines	Technological Institute of the Philippines (TIP) Cubao, Quezon City March 2, 2013
Interdepartment Enmgineering Debate Legal Minds VIII	2nd place September 5, 2013
2013 Philippine Statistics Quiz (PSQ)	Champion December 5, 2013 CHED Auditorium, Diliman, Quezon City
1st DOST PCIEERD Electronics Design Competition	March 27, 2014 Ortigas, Quezon City
Association for Computing Machinery International Collegiate Programming Contest (ACM IPC)	Technological Institute of the Philippines (TIP) Cubao, Quezon City March 2, 2013

AY 2011-2012

	2011-2012	2012-2013	2013-2014
Duty Award	Carlo T. Maranan, BSChE Jamie Lyn M. Almeda, BSCE Jasper Ceasar S. Ogana, BSAE Jeymman E. Salvanera, BSChE	Keizy Guingab, BSIE Czarina C. Colegio, BSEE Audrey Lou M. Landicho, BSCE Monique L. Manalo, BSAE Princess Mae S. Reyes, BSChE	Franz Alexis B. Juanico, BSCE Katrina Nicole Manto, BSCE Kevin Renz P. Mercado, BSAE Cesar I. Sendaydiego, BSAE Cesar N. Ramirez, Jr., BSEE Richard Dean F. Morales, BSCE Felen A. Divina II, BSABE
Pahinungod Service Pin	Christopher DR. Manlangit, BSCE Reynan Gabriel N. Bugayong, BSEE Maria Cyril C. Madril, BSEE Bryan Benedict T. Buenaflor, BSAE Rachelle P. Zacarias, BSChE	Rose Ann DR. Valencia, BSIE	Ronald Melvin R. Rosas, BSAE Joseph Victor F. Fresnoza, BSChE Kliemen Rey Victoria G. Penlac, BSChE
UPLB Alumni Association Leadership Award	Jeffrey Paulo H. Perez, BSChE	Monique L. Manalo, BSAE	Gerard Jericho B. Ronquillo, BSCE
2011 CEAT Best Thesis Award	Chiliast B. Juan, BSEE	John Triston I. Cafugauan, BSChE	Gerard Jericho B. Ronquillo, BSCE
DOST Award for Academic Excellence in Science:	Jeffrey Paulo H. Perez, cum laude Adrian R. Quicoy, cum laude Elaine L. Comia, cum laude Kevin U. Vosotros, cum laude Euselinn B. Lumaban, cum laude Raymond Joseph A. Marqueses, cum laude	Aico Angelic B. Cabuyadao, BSIE, cum laude Ariane Rodeth C. Bernal, BSChE, cum laude Kathleen Joy G. Ilagan, BSChE, cum laude Ryo M. Toyoda, BSChE, cum laude Glenn V. Latag, BSChE, cum laude Mark Jayson A. Panganiban, BSChE, magna cum laude	Zephaniah Micah L. Esguerra, BSChE, magna cum laude Reyson Dave G. dela Cruz, BSChE, cum laude Alvin James E. Asaytono, BSChE, cum laude Lanna Marie L. Alvarez, BSChE, cum laude Lowen B. Ciar, BSChE, cum laude Raynield John G. Formiloza, BSChE, cum laude Cleofe B. Pisco, BSEE, cum laude Jamel P. Caybayab, BSChE, cum laude Stephanie Caridad DR. Landicho, cum laude
Dean's Medal for Academic Excellence	Paul Hendrix M. Durante, BSCE, magna cum laude	Fernando C. Lit, BSChE, magna cum laude	Zephaniah Micah L. Esguerra BSChE, magna cum laude
BPI-DOST Science Awards	Mr. Luis Felipe Lopez and Mr. Chiliast B. Juan.	Fernando C. Lit and Ryo M. Toyoda.	Mr. Bernard O. Sanchez and Mr. Alvin James Asaytono.
UP Oblation Pin		Fernando C. Lit, BSChE, magna cum laude	
AGHAM Partylist Award		Fernando C. Lit, BSChE, magna cum laude	

	2011-2012	2012-2013	2013-2014
CEAT Alumni Association Medal for Academic Excellence		Jedidiah Joel C. Aguirre, BSCE, cum laude Erwin Gil R. Alcasid, BSChE, cum laude Dexter M. Andal, BSCE, cum laude Neil Ryan G. Asor, BSEE, cum laude Ariane Rodeth C. Bernal, BSChE, cum laude Aico Angelic B. Cabuyadao, BSIE, cum laude Romaine Angeli DS. De Mesa, BSIE, cum laude Kristoffer John P. Guinto, BSEE, cum laude Kathleen Joy G. Ilagan, BSChE, cum laude Glenn V. Latag, BSChE, cum laude Jonathan David D. Lasco, BSCE, magna cum laude Fernando C. Lit, BSChE, magna cum laude Abigail B. Malubag, BSIE, cum laude Mark Jayson A. Panganiban, BSChE, magna cum laude Arvin Bryan M. Polo, BSEE, cum laude Ryo M. Toyoda, BSChE, cum laude	Jan Carlo G. Villamarzo, BSABE, cum laude Louise Emerson R. Tumibay, BSChE, cum laude Jamel P. Cayabyab, BSChE, cum laude Raynield John G. Formilosa, BSChE, cum laude Lowen B. Ciar, BSChE, cum laude Lanna Marie L. Alvarez, BSChE, cum laude Alvin James E. Asaytono, BSChE, cum laude John Anthony L. Cantong, BSChE, cum laude Reyson Dave G. dela Cruz, BSChE, cum laude Ellyza Joy M. Quintela, BSChE, magna cum laude Zephaniah Micah L. Esguerra, BSChE, magna cum laude Richard Dean F. Morales, BSCE, cum laude Jose Maria G. Geda, BSCE, cum laude Mary Wenzel A. Andaya, BSCE, cum laude Paula Bianca E. Quiring, BSCE, cum laude Gerard Jericho B. Ronquillo, BSCE, cum laude Jeckree M. Mission, BSCE, cum laude Blanche DV. Amante, BSCE, magna cum laude Mart Dayniel M. Clanor, magna cum laude Cleofe B. Pisco, BSEE, cum laude John Paul P. Manzano, BSEE, cum laude Bernard O. Sanchez, BSEE, magna cum laude Stephanie Caridad DR. Landicho, BSIE, cum laude

One of our graduates, Mr. Gerard Jericho B. Ronquillo was qualified as one of the Regional Finalists for the 2014 Ten Outstanding Students of the Philippines.

CEAT Outstanding Personnel

Date	Title of Award	Awardee
2012	Outstanding Extensionist	Pangan, Ronel S.
	Outstanding Technician	Damasco, Bonifacio P.
	Outstanding Professional (Engineer)	Eusebio, Romulo E.
	Outstanding Blue Collar	Derequito, Rodel A.
2013	Outstanding Technician	Eusebio, Sofio M.
	Outstanding Professional (Engineer)	De Ramos, Jose D.
	Outstanding Office Personnel	Gabatin, Ana Marie M.
2014	Outstanding Technician	Sobreviñas, Andres T.
	Outstanding Blue Collar	Ramos, Rodolfo A.

UPLB Outstanding Researcher/UPLB Outstanding Research-Extension Team/Employee

Date	Title of Award	Awardee
2012	Outstanding Supervisor	Aranguren, Darwin C.
2013	Outstanding Research Team	AMDP
2014	Outstanding Researcher	Demafelis, Rex B.
2014	Outstanding Extension Project Team	AMTEC

CEAT Loyalty Award

Category/Years in Service	Name of Employee
15 years	Ramos, Rodolfo A.
20 years	Paras, Fernando Jr. O
25 years	Milante, Nick C. Nuque, Roselon B
30 years	De Ramos, Jose D., Eusebio, Romulo E., Orozco, Jonathan C.
35 years	Andal, Danilo L., Aranguren, Darwin C. Pasuquin, Carlos S.

CEAT Outstanding Leadership Award

Date	Title of Award	Awardee
2011	Maligaya, Jan Abril D	ChE (source : AChEs FB, was not deliberated at CEAT Awards comm.) Pls confirm with MCCDI
2012	Perez, Jeffrey Paulo H.	ChE
2013	Lopez, Luis Felipe D.	ChE
2014	Ronquillo, Gerard Jericho B.	CE

CEAT UPAA Awards

Date	Title of Award	Awardee
2011	UPAA Distinguished Alumni Award Agricultural Engineering Chemical Engineering	Danielito T. Franco Rex B. Demafelis
2012	UPAA Distinguished Alumni Award (in Agricultural Engineering Education and Research) UPAA Distinguished Achievement Award (Technology and Enterprise Production Management).	Delfin C. Suministrado Ferdinand M. Catabay
2013	UPAA Distinguished Alumni Award UPAA Distinguished Achievement Award	Silvestre C. Andales Aida D. Saloysoy

Award Photos



Loyalty Day Awards Night 2011



UPLB Awards



Alumni Awards Night 2012

Student Activities

Event	Collaborating Organization	Venue and Date	No. of Participants
Executives Challenge 7: A National Inter-Collegiate Engineering Science Quiz Contest	UPLB Civil Engineering Organization	EE Auditorium 11 February 2012	Approximately 250 students delegates from various universities
Campus Reach Out	Universitas	CEAT Lecture Hall 24 November 2012	Approximately 60 UPLB student leaders and honorific scholars
Executives Challenge 8: A National Inter-Collegiate Engineering Science Quiz Contest	UPLB Civil Engineering Organization	EE Auditorium 11 February 2013	Approximately 250 students delegates from various universities
Executives Challenge 9: A National Inter-Collegiate Engineering Science Quiz Contest	UPLB Civil Engineering Organization	EE Auditorium 1 February 2014	Approximately 250 students delegates from various universities

CEAT Student Council 2014-2015

Date	Events/Activities	Participants
7-Apr-14	CEAT SC Committee Elections	CEAT SC
11-Apr-14	Emergency CEAT CSL	CEAT CSL
15-Apr-14	Student Council Alliance of the Philippines (SCAP) Southern Tagalog Assembly	Various Student Councils across the Southern Tagalog region
25-Apr-14	CEAT Graduation Testimonial	CEAT Admin, CEAT SC, Graduates and Parents
25-Apr-14	CEAT Graduation Testimonial	CEAT Admin, CEAT SC, Graduates and Parents
20-May-14 29-May-14	Freshmen Registration Assistance	USC, CSCs, Sponsor Orgs, New Freshmen
15-May-14	All Student Council Assembly	USC-CSCs
29-May-14	All Student Council Assembly	USC-CSCs
26-May-14 27-May-14	General Assembly of Student Councils (GASC)	SCs of all UP Units
16-Jun-14 17-Jun-14	Midyear Term ES Petition Assistance	ES Department, CEAT SC
18-Jun-14	UHO-USC Consultation	USC-CSC
18-Jun-14	University-wide CSL	
26-Jun-14	CEAT SC Term Planning	CEAT SC
4-Jul-14	Dr. Carl Scott's Lecture	CEAT Admin, Faculty and Staff, CEAT SC
11-Jul-14	Equipping Student Leaders for Effective Planning and Management	USC, CSCs, UPLB Perspective
22-Jul-14 25-Jul-14	Serve The People Brigade (STPB)	USC-CSCs, Volunteers
22-Jul-14	University-wide CSL	
26-Jul-14	Political Party, Leadership and Advocacy Training Program	

Date	Events/Activities	Participants
7-Mar-14 8-Mar-14	UPLB Student Leaders' Summit	USC and CSC reps, Cluster reps
24-Mar-14	USC-CSC Oath Taking and Turn Over Ceremonies	UPLB Admin, USC, CSCs (Chair, Vice Chair, College Rep)
6-Aug-14 8-Aug-14	1st Semester Assisted Enlistment Assistance	CEAT SC
4-Aug-14	CEAT SC 1st General Assembly	CEAT SC
4-Aug-14	Announcement of Councilor of the Month (April, May, June, July)	CEAT SC
6-Aug-14	All Student Councils Assembly (ASCA)	USC, CSCs
6-Aug-14 8-Aug-14	1st Semester Assisted Enlistment Assistance	CEAT SC
7-Aug-14	Campus Tour Volunteers' Orientation	Campus Tour Volunteers
10-Aug-14	Campus Tour	Volunteer Tour Guides, New Freshmen
11-Aug-14	Almosalan	USC, CSCs, Sponsor Orgs, New Freshmen
11-Aug-14	CEAT Convocation	CEAT Admin, Faculty and Staff, CEAT SC, Orgs, CEAT New Freshmen
11-Aug-14	Freshmen Night	USC, CSCs, Sponsor Orgs, New Freshmen
11-Aug-14 15-Aug-14	1st Semester Form 5/26 Distribution Assistance	CEAT SC
11-Aug-14 15-Aug-14	1st Semester Petition Assistance	ES Department, CEAT SC
12-Aug-14	CEAT SC 2nd General Assembly 1st Issue of dingdENG: Your Engineering Doodle	CEAT SC
12-Aug-14	1st Issue of dingdENG: Your Engineering Doodle	CEAT Students
14-Aug-14	Admin Lobbying Regarding Rental Fee of CEAT Facilities for CEAT Students/Orgs	CEAT Admin, CEAT SC
15-Aug-14	CEAT SC Oath Taking Ceremony	CEAT Admin and Faculty, CEAT SC
18-Aug-14	UP Situation/Agenda Meeting with Student Regent	SR, USC, CSCs
18-Aug-14	CEAT SC 3rd General Assembly	CEAT SC
21-Aug-14	1st Session of Student Legislative Chamber (SLC)	Members of SLC
25-Aug-14	Official Launching of Search for the Most Outstanding CEAT Organization	CEAT CSL
25-Aug-14	CEAT Council of Student Leaders (CSL) 1st Regular Meeting	CEAT CSL
25-Aug-14	Announcement of Councilor of the Month (August)	CEAT SC
26-Aug-14	All Student Councils Assembly	USC, CSCs
27-Aug-14	Southern Tagalog Pride March	Babaylan, USC-CSCs, Sponsor Orgs
28-Aug-14	Campus-wide Mobilization	USC-CSCs
1-Sep-14	CEAT SC 4th General Assembly	CEAT SC
4-Sep-14	CEASE Membership Orientation	CEAT SC, Volunteers
8-Sep-14	CEAT SC 5th General Assembly	CEAT SC
9-Sep-14 11-Sep-14	Boses Film Showing	UPLB Students
11-Sep-14	2nd Issue of dingdENG: Your Engineering Doodle	CEAT Students
15-Sep-14	CEAT SC 6th General Assembly	CEAT SC, CEASE Vols
15-Sep-14	CEAT CSL Special Meeting	CEAT CSL
15-Sep-14	USC-CSC Disciplinary Committee Meeting	USC-CSCs

Date	Events/Activities	Participants
15-Sep-14 16-Sep-14	CEAT SC Councilor Candidates' Campaign Period	CEAT
16-Sep-14	Production of CEAT SC logo stamp	
16-Sep-14	CEAT Freshman Acquaintance Party Stage Design Workshop	CEAT SC, Volcorps
17-Sep-14	LEGGO: The 1st CEAT Freshman Acquaintance Party	CEAT SC, Sponsor Orgs, CEAT New Freshmen
18-Sep-14	CEAT SC Special Election, Counting, Proclamation and Oath Taking Ceremony	CEAT Students, CEB
19-Sep-14	FAPter Party and Welcoming Party for DM	CEAT SC
24-Sep-14	CEAT Freshmen Bloc Assembly (FBA)	CEAT SC, CEAT New Freshmen
29-Sep-14	University-wide CSL	CSL
30-Sep-14	University-wide Freshman Bloc Assembly	USC-CSCs, Incumbent UFC, Freshmen
6-Oct-14	Announcement of Councilor of the Month (September)	
6-Oct-14	CEAT SC 7th General Assembly	CEAT SC
6-Oct-14	CEAT SC Committee Realignment	CEAT SC
6-Oct-14	EYELOVEIT Meeting	USC, CSCs
	Math 17 Tutorials	Math 17 student
6-Oct-14	IGP: Toasted Siopao Sale	Math 17 tutorial participants
7-Oct-14	CEAT Execom Meeting	CEAT Executive Committee

Student Activities



ERDT Conference, 2011



EXCITE, 2011

Student Activities



Job Fair, 2012



Acquaintance Party, 2014



NCE Quiz, 2014



Syensaya, 2012



Syensaya, 2013



Syensaya, 2014

Visiting Professors and Exchange Students

Different organizations and universities visit the college to hold educational field trips, build academic linkages and research collaborations, offer scholarships and financial assistance for the students, inquire about the machineries made by the college, and many more.



SOCIAL EVENTS

The College makes it a point that we don't confine ourselves to the Academe. We also engage in activities that further strengthen the unity of the College as a team.

2011 EVENTS



Faculty Follies



Testimonial



Loyalty Day Tree Planting



Team Building



Mr. and Ms. Engineering



CEAT Conference Road Map



Foundation Day



CEAT Freshmen Orientation



PAESTIGAN



Tune Up Games



Mr. and Ms. Engineering

2012 Events



Eng Meet



Loyalty Day



ONE CEAT Run



Team Building



Testimonial

2013 Events



Faculty Conference



Fun Run 2



Team Building



Thanksgiving Mass and Testimonial Ceremony



CEAT Freshmen Convocation



Palarong UPLB

2013 Events



Alumni Homecoming



PSAE



Benefit Show



Team Building



Himig at Sayaw



Loyalty Day

2014 Events



Thanksgiving Mass and Testimonial Ceremony



New Year's Party



Professorial Chair: AMDP & AMTEC - World Class Institution for Agricultural Mechanization Development



EXCITE



Professorial Chair: Analyses of Graduation Rates of UPLB Undergraduate Programs



PAESTIGAN

2014 Events



Loyalty Day



Alumni Homecoming

The College of Engineering & Agro-industrial Technology (CEAT) in celebration of its 100 years of existence lined up various activities to celebrate this momentous event. One of the major activities was the holding of the Foundation Day and the 33rd AMDP anniversary held on March 2, 2012 at the Electrical Engineering Building, CEAT, UP Los Baños.

With the Centennial Celebration theme: “Kaagapay sa paghubog ng katangi-tanging inhinyero at pagtataguyod ng angkop na teknolohiya para sa susunod na siglo”, this one-day affair was highlighted with a Centennial Lecture Series, technology exhibition; symposium; recognition of outstanding CEAT faculty and staff, CEAT university and college scholars, honor roll students, CEAT engineering board exam topnotchers and retired CEAT faculty & staff. We also staged our first ever concert entitled: “Himig at Sayaw” – CEAT Centennial Concert at the DL Umali Hall, showcasing the various talents of CEAT family in the performing arts.



The past three years have been eventful and challenging at the same time. It is my privilege to be a part of a team who does not tire of living up to the challenge of distinctive excellence. Each member of this team contributed to the betterment and progress of the college. We would like to recognize everyone's participation in striving one step forward towards the college's goals. While we have a number of successful events and programs, we have also identified some future directions we can follow.

We have a number of plans and programs in the pipeline to further fulfil our vision-mission. This section lists some of the existing activities that the college started to implement. They are categorized according to the strategic thrusts presented earlier.

Thrust 1: Broaden Learning Environment

- BS Mechanical Engineering Program – finished the syllabus of professional courses
- Incorporation of Food and Environmental Engineering in the current Agricultural and Chemical Engineering programs
- Accreditation of the undergraduate programs to the Washington Accord through the Professional Technical Council
- Development of Technology in pedagogy such as e-learning
- Development of mentoring system for junior faculty and graduate students
- Incorporation of entrepreneurship in the engineering curriculum
- Provision of financial support to underprivileged CEAT students

Thrust 2: Improve research's volume, industry academe linkages, and reputation

- Strengthening ERDT RDE programs
- Interdisciplinary research with other faculty/staff from other colleges (i.e. energy, food security, climate change, natural resources)
- AMDB to BIOMECH – AFMEC Law R.A. 10601
- Institutionalization of AMTEC – R.A. 10601
- Introduction of ISO procedures/increasing operational efficiency of UPLB offices
- Strengthen academe industry linkage – generating development of appropriate technologies
- Marketing/branding of CEAT to alumni/industry partner

Thrust 3: Refereed articles in journals

- PJABE to be accredited to ISI/SCOPUS
- Increased access to e-journals
- Journal articles for every research project

Thrust 4: Enhanced local and international exposure for staff and students

- Research collaboration with private sector (i.e. Roxas Holdings, AMMDA and public agencies like PhilMech)
- Visiting professors supported by PCAARRD, PCIEERD, ERDT, PHILDEV
- On-the-Job Training (i.e. SCG, Toshiba, Shell among others)

We are definitely one step towards meeting our goals of becoming a world-class university. The team's passion is what motivates us to keep going. As we move forward, we would like to invite you to become a part of us. It is high time that we further strengthen our efforts to reaching our goals as one team.

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CEAT Student Council 2014-2015

UP Alliance of Chemical Engineering Students

Alliance of Engineering Majors-UP

Civil Engineering Executive Organization

UPLB Engineering Society

UP Engineering Radio Guild

Engineering Students' Guild

UPLB Industrial Engineering Students' Organization

UPLB League of Agricultural Engineering Students

Society of Agricultural Engineering Students

UPLB Society of Chemical Engineering Students

UPLB Society of Electrical Engineering Students

UP Civil Engineering Society

Beta Nu Epsilon Fraternity

Sigma Nu Epsilon Sorority

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