

**A. Significant Events (Training, Conferences, Workshops, etc. - Local and International)**

No.	Date/Duration	Specific Title	Highlights	Venue	Persons Involved	Unit	Role of Unit/Persons Involved
1	30 July to 02 August 2018	Training Workshop on the Development/Application of Interactive Materials (11th Batch)		ILC, CAS Annex 1 Building, UPLB	Engr. Kent Edrian J. Lozada	DEE	Participant
2	29 August 2018	Agriculture and Fishery Mechanization Committee (AFMeC) Regular Meeting	<ul style="list-style-type: none"> <li>• Presentation of the results of the project on Policy Formulation of the Standard Procedure for Fishery Mechanization Index (FishMI) Integrating the Best Practices on the Utilization of Fisheries Mechanization Technologies</li> <li>• Road map for the Local Manufacture of Single Cylinder Engine</li> </ul>		Dr. Rossana Marie C. Amongo, Dr. Maria Victoria L. Larona, aP Mark Keylord S. Onal, Engr. Mark Twain A. Limbo, Engr. Gherlee Nelle L. Lalap, and Dr. Victor A. Rodulfo, Jr.	BIOMECH	Participant/Project Implementer and DA-PCAF Task Force (Co-chair)
3	31 August to 03 September 2018	Pre testing of questionnaires for Focus Group Discussion and Key Informant Interview for the project "Socio-Economic and Environmental Impacts of Bioethanol Production"	Pre testing of survey questionnaires for Focus Group Discussion and Key Informant Interview at San Carlos and Sagay City Negros Occidental	San Carlos and Sagay City, Negros Occidental	Dr. Rex B. Demafelis, Dr. Jovita L. Movillon, Engr. Kristel M. Gatdula, Ms. Lisa Stephanie H. Dizon, Engr. Amabelle A. Pector, and Engr. Bernadette T. Magadia	DChE	Proponent
4		Data collection for the project "Sustainable Water Allocations and Management of Selected Agriculture Sector's Priority Crops Through Water Footprint Assessment"	Data collection, interview and site visit on sugarcane farms in Calatrava and San Carlos City Negros Occidental	Calatrava and San Carlos City, Negros Occidental	Dr. Rex B. Demafelis and Engr. Bernadette T. Magadia	DChE	Proponent
5	03 September 2018	CEAT Lecture Seminar on "Conservation of Natural Resources in Concrete Field" by Dr. Atsushi Ueno	Current research trends on the use of eco-cement and recycled aggregates were discussed	CE Conference Room, DCE, CEAT	CEAT Students	DCE	Participants
6	04 September 2018	Interview with net25 re SARAI-SEAMS Project		Quezon City	Prof. Moises A. Dorado	AFSD-IAE	Interviewee
7	04-07 September 2018	Calibration Program for the Prospective Lead Assessors for Agricultural Machinery Operations NC II	<ul style="list-style-type: none"> <li>• Presentation of the AMO NC II TM and CATs</li> <li>• Conduct of actual AMO NCII assessment for prospective Lead Assessors</li> <li>• Finalization of the AMO NCII TM and CATs</li> </ul>	PHILMECH, Muñoz, Nueva Ecija	Dr. Victor A. Rodulfo Jr., Dr. Ronel S. Pangan, Engr. Jose D. de Ramos, aP Mark Keylord S. Onal, and Engr. Marife R. Santiago	BIOMECH and AMD-IAE	Presenter, Lead Assessors, Technical Experts, and participant
8	05 September 2018	MOU Ceremonial Signing	MOU signing with Dr. Senen Miranda's Family and CL Follosco Group	Office of the Chancellor, UPLB	Dr. Arnold R. Elepaño, Dr. Myra G. Borines, Dr. Mary Louise P. Pascual, and Ms. Mary Jane F. Gallardo	Dean's Office	Organizer/Coordinator
9		7th Information Literacy Program	<ul style="list-style-type: none"> <li>• Introduction to Mendeley and Turnitin</li> <li>• Remote access accounts</li> </ul>	CEAT Library, UPLB	Engr. Marck Ferdie V. Eusebio and Engr. Adrian A. Borja	BIOMECH	Participant
10		CAVSU Inhouse Paper Review	Evaluation of Annual CAVSU inhouse paper review	Cavite State University	Dr. Ramer P. Bautista	DChE	Evaluator
11	06-07 September	Poster presentation during the 47th KKP-ST Annual Convention (Gearing Up Towards Global Standards and Certification)	Three posters were presented by ChE undergraduate thesis students entitled: 1) Electroflocculation of Tannery Waste Waters (LSN Arcillas, VP Migo, MVM Sumagang, CG Alfafara) 2) Parametric Study on Potassium Carbonate-Glycerin Deep Eutectic Solvent for Carbon Dioxide Capture (FAG Cabantog, SS Doliente, VP Migo, KM Gatdula, RP Bautista) 3) Lignin Extraction from Abaca (Musa textilis) Waste Fiber using Organosolvs and Alkaline Peroxide Solution (VP Migo, CG Alfafara, FB Elegado)	Batangas State University Rizal Avenue Extension, Batangas City	Dr. Veronica P. Migo, Engr. Maria Victoria M. Sumagang, Dr. Catalino G. Alfafara, aP Stephen S. Doliente, Engr. Kristel M. Gatdula, and Dr. Ramer P. Bautista	DChE	Advisers and Panel Members
12		Oral paper presentation during the 47th KKP-ST Annual Convention (Gearing Up Towards Global Standards and Certification)	Oral presentation of the research entitled: "Electrochemical Detection of Phytosphthora palmivora in Soil Using a DNA-Based Nanobiosensor" (AJDM Franco, LM Fernando, FE Merca, MS Rodriguez, JF Balidion, VP Migo, EC Alcolija)	Batangas State University Rizal Avenue Extension, Batangas City	Dr. Veronica P. Migo	DChE	Panel
13	07 September 2018	Hands-on Training on Mendeley and Turnitin	<ul style="list-style-type: none"> <li>• Obtained a Mendeley and Turnitin account</li> <li>• Hands-on Training on Mendeley and Turnitin</li> </ul>	UPLB Main Library	Engr. Marck Ferdie V. Eusebio and Engr. Adrian A. Borja	BIOMECH	Participants/Organizer
14	08-09 September 2018	Inception Workshop for the DOE Project entitled "Life Cycle Assessment in terms of Carbon Debt and Payback Analyses, Carbon Savings, and Energetics Studies of Biodiesel Production from Coconut Oil in the Philippines"	Drafting and Review of FGD questionnaires	Development Academy of the Philippines Center, Tagaytay City	Dr. Rex B. Demafelis, Engr. Kristel M. Gatdula, Ms. Lisa Stephanie H. Dizon, and Engr. Bernadette T. Magadia	DChE	Proponent

15	09-13 September 2018	Inception meeting at USTP and conduct field visit as representative of SARAI Ph2 Proj2.1		Cagayan De Oro	Prof. Moises A. Dorado	AFSD-IAE	Participant
16		Wordpress Training	3 resource persons from ITC and 15 participants from different CEAT units	AMTEC Conference Room, CEAT, UPLB	Representatives from CEAT units	CEAT	Participants/Organizer
17	10 September 2018	Board of Chemical Engineering PRC Visit	Follow up inspection of PRB	DChE, UPLB	DChE Faculty	DChE	Organizer
18		Presentation of the project Inception Report to NIA Board		NIA, Quezon City	Dr. Victor B. Ella	LWRD-IAE	Presentor
19	10-11 September 2018	Conduct of Impact Assessment Survey at the PSFI project in Rizal Province	• Conduct impact assessment survey and KII at the at the PSFI project in Rizal Province	PSFI Training Center, Pililia, Rizal	Dr. Ronel S. Pangan and Dr. Maria Victoria L. Laron	BIOMECH	Project implementer
20	10-14 September 2018	Evaluative Study on DA's Mechanization Program from 2011-2018	• Conducted KII, FGD and enumerator's training for survey of mechanization programs for cassava, corn, rice, and coffee: Cagayan Province	Cagayan Province (cassava, corn, rice)	Engr. Alexis C. del Rosario, R Duminding, and M Desamparo	BIOMECH	Implementor
21	11 September 2018	TWG Meeting (PCAARRD Project)		AMTEC Conference Room, CEAT, UPLB	Dr. Aurelio A. Delos Reyes Jr., Engr. Ray D. Alipio, and Ms. Micah A. Almavez	AMTEC	Participants/Organizer
22		"Updates on Policy Reforms for Progressive UP PREPS Governance"	UPLB REPS Consultation with the UP System REPS committee	EE Auditorium, CEAT-UPLB	Engr. Filipina B. Obligado and Engr. Amabelle A. Pector	DChE	Participants
23	12 September 2018	Case Conference		Office of the Ombudsman, Quezon City	Engr. Darwin C. Aranguren	AMTEC	Attendee
24		PCIEERD Technical Panel Review	Evaluation of research proposal entitled "Optimizing Sampling Devices abd Procedures for Monitoring Microplastics in Water Sources"	DOST Compound, Blcutan, Taguig	Dr. Ramon Christian P. Eusebio	DChE	Evaluator
25	12-13 September 2018	4th Organizational Meeting and consultation workshop of the Agriculture and Fisheries Mechanization RDE Network	• Organizational meeting of the AFMechRDEN • Consultation on the AFMechRDE Network Agenda	Maharajah Hotel, Clark, Pampanga	Dr. Rossana Marie C. Amongo and Dr. Maria Victoria L. Laron	BIOMECH	Participant
26		BAFS TWG Meeting (Corn Mill)		BAFS, Quezon City	Engr. Romulo E. Eusebio	AMTEC	TWG member
27	13 September 2018	Development of Philippine National Standards (PNS) for Various Agricultural Machinery	• Finalization of PNS for corn mill	Bureau of Agriculture and Fisheries Standards	Dr. Victor A. Rodulfo, Jr.	BIOMECH	TWG member
28		Presentation on Bioethanol and Bioconversion Technologies at the Philippine Institute of Chemical Engineers Visayas Regional Conference	Research optimum outputs on bioethanol projects by the Biofuels Team of the Department of Chemical Engineering, CEAT, UPLB	Iloilo City	Dr. Rex B. Demafelis and Engr. Kristel M. Gatdula	DChE	Resource Person/Speaker
29	14 September 2018	Meeting with Vice Chancellor Marish S. Madlangbayan on the 2019 BIOMECH Supplementary Budget Request	• Discussion on 2019 BIOMECH supplementary budget request and next action	OVCPE, UPLB	Dr. Rossana Marie C. Amongo and Dr. Maria Victoria L. Laron	BIOMECH	Participants
30		Project Proposal Evaluation		DOST-PCIEERD	Dr. Jey-R S. Ventura	DES	Participant
31	14-20 September 2018	Oral paper presentation during the SETAC-Asia Pacific 2018	Presented a paper entitled "Life Cycle Assessment of Los Banos Solid Waste and Advanced Integrated Solid Waste Management Systems for Environmentally-Sustainable Waste Management Planning"	South Korea	Engr. Bernadette T. Magadia	DChE	Participant/Presentor
32	14, 21, and 28 September 2018	Meeting of CEAT Ad Hoc Committee for the CEAT Centennial Alumni Homecoming Souvenir	• Updates and layout of the souvenir program	DO, CEAT, UPLB	Dr. Rossana Marie C. Amongo, Dr. Maria Victoria L. Laron, Engr. Ronnie C. Valencia, Engr. Adrian A. Borja, Engr. Gherlee Nelle L. Lalap, Engr. Mark Twain A. Limbo, and Engr. Marck Ferdie V. Eusebio	BIOMECH	Committee member and Layout Team
33	15-24 September 2018	2018 International SWAT Conference	Presented a paper entitled "Assessing Using the SWAT mode: The Case of Maasin River Watershed in Laguna, Philippines"	Brussels, Belgium	Dr. Victor B. Ella	LWRD-IAE	Presentor
34	16-20 September 2018	Inception meeting at CMU and conduct field visit as representative of SARAI Ph2 Proj2.1		Bukidnon	Prof. Moises A. Dorado	AFSD-IAE	Participant
35	17 September 2018	BAFS TWG Meeting (Cattle Restrainer)		BAFS, Quezon City	Engr. Darwin C. Aranguren	AMTEC	TWG member
36	17-21 September 2018	3rd Organic Asia Congress of the International Federation of Organic Agriculture Movement	Attended the international congress	Bislig City, Surigao del Sur	Dr. Veronica P. Migo	DChE	Participant
37	18 September 2018	Student-Faculty Meeting 2018 (SFM 2018)	Updates on curriculum, facilities, policies, and future plans were presented by faculty members; Questions raised by students were answered	DIE Building Room 100, CEAT, UPLB	UPLB IESO, DIE Faculty	DIE	Organizer and Resource Person

38	19 September 2018	M3DAS Project	• Conducted validation workshop with LGU, PLGU, RAEG to present project outputs for project area in Capiz	Maayon, Capiz	Engr. Alexis C. del Rosario, Engr. Jose D. de Ramos, Engr. Marife R. Santiago, A Tolentino, Engr. Kristina K. Relve, Engr. Danica C. Calanoga, Ms. Arlene M. Tolentino, and Mr. Evan R. Reblora	BIOMECH	Implementor
39		DA BAR Project Progress Review for the project "Increasing Farmers' Income thru the Utilization of Waste Onion Leaves for Various Applications"	Presentation of progress report to DA BAR and technical experts	Development Academy of the Philippines Center, Tagaytay City	Dr. Myra G. Borines and Ms. Lisa Stephanie H. Dizon	DChE	Proponent
40		DA BAR Project Progress Review for the project "Life Cycle Assessment of Swine Production towards a Sustainable Swine Industry in the Philippines"	Presentation of progress report to DA BAR and technical experts	Development Academy of the Philippines Center, Tagaytay City	Ms. Lisa Stephanie H. Dizon	DChE	Proponent
41		Advanced Materials Seminar		DOST-ADMATEL	Dr. Jey-R S. Ventura, aP Claire L. Garing, and aP Lady Catherine S. Elec	DES	Participants
42	19-21 September 2018	Launching/Inauguration of the newly constructed floating seaweed dryer	• Supervised the completion of the seaweed dryer (installation of the dryer accessories) • Brief stakeholders (farmers and other gov't. officials) regarding the operation of the dryer	Looc, Romblon	Dr. Ronel S. Pangan and Engr. Ampy Paulo K. Roxas	BIOMECH	Project Staff and Technology Developer
43		Research data gathering		Ilo-ilo, Cavite City	Dr. Omar F. Zubia	AMD-IAE	Researcher
44	19-22 September 2018	Writeshop on Outlining the Book: Sustainable Rice Straw Management	Outlined the book and initiated potential collaborations on rice straw management with local and international research institutions and universities	Tien Gang, Vietnam	Dr. Monet Concepcion M. Detras	DChE	Writer
45	20-22 September 2018	GIS/RS training to Abra de Ilog LGU for planning and DRRM		Abra de Ilog, Occidental Mindoro	Prof. Moises A. Dorado and aP Vicente G. Ballaran	AFSD-IAE	Presentor
46	21 September 2018	M3DAS Project	• Conducted validation workshop with LGU, PLGU, RAEG to present project outputs for project area in Iloilo	Passi City, Iloilo	Engr. Alexis C. del Rosario, Engr. Jose D. de Ramos, Engr. Marife R. Santiago, A Tolentino, Engr. Kristina K. Relve, Engr. Danica C. Calanoga, Ms. Arlene M. Tolentino, and Mr. Evan R. Reblora	BIOMECH	Implementor
47		Promising Alternative Feedstocks for Biofuels Production and Prospects of Waste-to-Energy Technologies in the Philippines	Lecture of Dr Emmanuel Moya of Fluidyne Internation Corporation, Canada on Sweet Potato and Soybean as Alternative and Complementary Biofuel Feedstock and Waste-to-Energy Technologies. Lecture was attended by various stakeholders from government and private agencies	OVCRE Annex, UPLB	Dr. Rex B. Demafelis, Dr. Jovita L. Movillon, Ms. Lisa Stephanie H. Dizon, Engr. Amabelle A. Pector, and Engr. Bernadette T. Magadia	DChE	Organizer
48		2018 Students' Annual Inter-Collegiate Chemical Engineering Showdown	ChE students participated in the quiz contest. MC Ocampo LE Samson GF Narce R Suplito AJ Laguna RP Lacro CA Basbas N Catapang	Malayan Colleges Laguna	Engr. Maria Victoria M. Sumagang and Engr. Kristel M. Gatdula	DChE	Coach
49		Benchmarking for Mechanical Engineering Program		Batangas State University	Dr. Arthur L. Fajardo, aP Ralph Kristoffer B. Gallegos, and Dr. Fernando O. Paras, Jr.	AMD-IAE	Presentor
50		Meeting on irradiation project		Ortigas, SanJuan	Dr. Kevin F. Yaptenco	ABPROD-IAE	Participant
51	21-23 September 2018	Farm visit and data collection for the projects "Sustainable Water Allocations and Management of Selected Agriculture Sector's Priority Crops Through Water Footprint Assessment" and "Life Cycle Assessment of Swine Production towards a Sustainable Swine Industry in the Philippines"	Interview with local farmers, plantation visit, and data collection	Callawa, Calanan, Mandug, and Matina in Davao City DA-Regional Office at Davao City	Engr. Bernadette T. Magadia	DChE	Proponent
52	21-24 September 2018	Installation of water level monitoring instruments for the Mt.Iraya watershed Project		Basco, Batanes	Dr. Roger A. Luyun, Jr.	LWRD-IAE	

53	22-27 September 2018	Pre-testing of questionnaire for Focus Group Discussion and Key Informant Interview for the projects "Life Cycle Assessment in terms of Carbon Debt and Payback Analyses, Carbon Savings, and Energetics Studies of Biodiesel Production from Coconut Oil in the Philippines" and "Development of a Cost Effective and Sustainable Abaca Fiber Production in the Philippines"	Pre-testing of survey questionnaire for Focus Group Discussion (FGD) and Key Informant Interview (KII) in Davao City, Davao Oriental, Agusan del Sur and Surigao del Sur	Davao City, Davao Oriental, Surigao del Sur, Agusan del Sur	Engr. Kristel M. Gatdula, Ms. Lisa Stephanie H. Dizon, and Engr. Amabelle A. Pector	DChE	Proponent
54	22-30 September 2018	21st International Soil Tillage Research Organizational Conference		Paris, France	Dr. Arthur L. Fajardo and Dr. Rossana Marie C. Amongo	AMD-IAE	Participants
55	23 September to 01 October 2018	Academic and research collaborative meetings with University of Reading and University of Liverpool		United Kingdom	Dr. Arnold R. Elepaño	ABPROD-IAE	Participant
56	23-25 September 2018	Inception meeting and field visit as representative of SARAI Ph2 Proj. 2.1		Isabela	Dr. Moises A. Dorado	AFSD-IAE	Participant
57	24 September 2018	Wordpress Training	3 resource persons from ITC and 15 participants from different CEAT units	AMTEC Conference Room, CEAT, UPLB	Representatives from CEAT units	CEAT	Participants/Organizer
58		CE 10 Special Lecture Series on Environmental Engineering by Engr. Donny Rey D. Camus	Guest speaker from academe/industry introduce a Civil Engineering field of specialization, elaborating on their experiences in the field	EE Auditorium, CEAT, UPLB	DCE Students	DCE	Organizer
59		NRCP 3rd Quarter Business Meeting and Scientific Session	Attended the NRCP Division of Engineering and Industrial Research Meeting	UP Diliman, Quezon City	Dr. Ramon Christian P. Eusebio	DChE	Participant
60		Legal Minds XIII (Inter-department Engineering Debate Contest) by UPLB Society of Chemical Engineering Students (SChemES)		CEAT LH, UPLB	CEAT Students	DEE and DIE	Participants
61		NRCP Division Meeting		UP Diliman, Quezon City	Dr. Jey-R S. Ventura	DES	
62		Forum on UPLB Agribusiness & Entrepreneurship Program		REDREC Audi, CEM-UPLB	Dr. Kevin F. Yaptenco	ABPROD-IAE	Participant
63	24-28 September 2018	Evaluative Study on DA's Mechanization Program from 2011-2018	• Iloilo Province	Iloilo (corn, rice, and coffee)	Dr. Maria Victoria L. Larona, Engr. Victor Antonio N. De Padua, and DL Bondoc	BIOMECH	Implementor
64			• Capiz Province	Capiz (corn, rice, and coffee)-kindly correct crops	Dr. Victor A. Rodulfo, Jr., R Duminding, AD Salandanan, and M Desamparo	BIOMECH	Implementor
65	25 September 2018	M3DAS Project	• Conducted validation workshop with LGU, PLGU, RAEG to present project outputs for project area in Negros Occidental	Kabankalan, Negros Occidental	Engr. Alexis C. del Rosario, Engr. Jose D. de Ramos, Engr. Marife R. Santiago, Engr. Kristina K. Relleve, Engr. Danica C. Calanoga, Ms. Arlene M. Tolentino, Mr. Evan R. Reblora, and Ms. Alethea Colleen B. Escandor	BIOMECH	Implementor
66		Meeting of the Technical Working Group on Rubberized Asphalt	Came up with a resolution for an Executive Order by President Duterte, that DPWH will adapt rubber-reinforced asphalt in national roads and bridges	DTI, Makati City, Department of Trade and Industry	Dr. Veronica P. Migo	DChE	Participant
67	26-27 September 2018	National Conference on Smart Farming 4.0: Transforming Philippine Agriculture through Smart R&D Innovations  Acknowledgment to Dean ARE for the financial support to participate on this event		Batangas State University, Batangas	aP Karen-Christian C. Agno, Engr. Melvin C. Ilang-Ilang, Engr. Aryan Paola A. Manalo, aP John Paolo A. Ramoso, Prof. Moises A. Dorado, aP Vicente G. Ballaran, and Dr. Ronaldo B. Saludes	DEE and AFSD-IAE	Participants

68	27 September 2018	Meeting with UP FMO official re: authority to purchase of Four-wheel tractor and forklift; and 2019 BIOMECH supplementary budget	• Discussions and clarification about the request for authority to purchase of Four-wheel tractor and forklift; and 2019 BIOMECH supplementary budget	UPFMO, UP Diliman Campus, Quezon City	Dr. Victor A. Rodulfo, Jr. and Dr. Maria Victoria L. Larona	BIOMECH	Committee member
69	27-28 September 2018	15th Engineering Research and Development for Technology (ERDT) Conference	Presentations of Papers related to Energy Engineering	Manila Hotel	Dr. Myra G. Borines, Engr. Mary Louise P. Pascual, Ms. Mary Jane F. Gallardo, Engr. Maria Liezl P. Caroché, aP Rodolfo A. Aguirre, and Ms. Pauly G. Micor	DEE, DIE, DChE and Dean's Office	Participants/Presenter/Organizer
70	28 September 2018	Data gathering		Rizal, Laguna	aP Mark Keylord S. Onal, aP Erwin P. Quillooy, and Dr. Fernando O. Paras, Jr.	AMD-IAE	
71		Meeting with the Regional Executive Director Arnel V. de Mesa re SEAMS		Lipa City, Batangas	Prof. Moises A. Dorado and aP Vicente G. Ballaran	AFSD-IAE	
72	29 September 2018	10th Southern Tagalog Industrial Engineering Seminar 1.0 (STIESX)	STIES is an annual one-day event by UPLB IESO that promotes Industrial Engineering principles in different fields of the industry. aProf. Clarissa M. Pesigan provided the overview for the day's event.	D.L. Umali Hall, UPLB	UPLB IESO, aProf. Clarissa M. Pesigan	DIE	Resource Person
73	01 October 2018	ASEAN Agriculture Summit		SMX Convention Center, Pasay, Metro Manila	Dr. Kevin F. Yaptenco	ABPROD-IAE	Participant

**Legend:**

**Departments:**

IAE – Institute of Agricultural Engineering  
DChE – Department of Chemical Engineering  
DCE – Department of Civil Engineering  
DEE – Department of Electrical Engineering  
DES – Department of Engineering Science  
DIE – Department of Industrial Engineering

**Units in IAE:**

ABPROD – Agricultural and Bio-Processing Division  
AFSD – Agrometeorology and Farm Structures Division  
AMD – Agricultural Machinery Division  
LWRD – Land and Water Resources Division

**Research and Extension**

BIOMECH – Center of Agri-Fisheries and Biosystems Mechanization  
AMTEC – Agricultural Machinery Testing and Evaluation Center

**Support Units:**

DO – Dean's Office  
CSO – College Secretary's Office  
CEAT Library  
CSC – CEAT Student Council  
AA - Alumni Association

**B. New, Ongoing, and Completed RDE Projects**

No.	Date/Duration	Unit	Specific Title	Status/Objective(s)	Expected Output	Leader and Staff	Source of Funding
1	01 April 2017 to 31 March 2019	LWRD-IAE	Development of Wireless Sensor Network-based Water Information System for Efficient Water Management in the Philippines		Research, WSN and irrigation water management technologies, publications	Dr. Victor B. Ella, Dr. Arthur L. Fajardo, aP Maurice A. Duka, Dr. Jewel A. Gonzales, Dr. Rubenito M. Lampayan, Ms. Mary Anne T. Labrador, Mr. Roy L. Mariñas, Engr. Jeric S. Sadsad, Ms. Kristelle Marie DeLa Cruz, Engr. John Russel Galoso, Engr. Chen Lester R. Wu, Engr. Marie Jehosa B. Reyes, Engr. Cyra Gail P. Fernandez, Ms. Zeta Derikka Sanchez, Engr. Camille G. Martinez, Engr. Romalaine Chrisselle Bonoan, Engr. Allan Tejada, Ms. Anne Jellie V. Bacani, Ms. Maria Cecilia D. dela Cruz, and Mr. Vldimir Eusebio	CHED-PCARI
2	01 June 2017 to 30 November 2018	LWRD-IAE	Analysis of Irrigation Structures Sensitivity and Perturbations in Support for the Development of Improved Operation and Management ( O & M) of UPRIS		Research	Dr. Mona Lisa De Los Reyes, aP Maurice A. Duka, and Engr. Jeffrey A. Gonzales	OVPAA-ECWRG
3	01 May 2017 to 30 April 2021	IPB/IAE (AMD and ABPROD)	Project 5. Assessment of Sugarcane Varieties and Germplasm Collection for Drought and Waterlogging Tolerance Component 1: Screening of Sugarcane for Drought Tolerance		Research	Dr. Kevin F. Yaptenco and aP Erwin P. Quilloy	Sugar Regulatory Administration
4	16 January 2018 to 16 January 2019	AFSD-IAE	Smart Plant Production In Controlled Environments		Research	Dr. Ronaldo B. Saludes and Engr. Jose Mari Cuasay	DOST-PCIEERD
5	01 May 2018 to 30 April 2021	AFSD-IAE	Smarter Approaches to Reinvigorate Agriculture as and Industry in the Philippines II Proj 2.1 Community Level SARAI - Enhance Agricultural Monitoring System and Crop Advisories		Research	Prof. Moises A. Dorado, aP Vicente G. Ballaran, REVLuna, Engr. Leo Niel T. Viado, JMSuarez, and KSGBrusola	DOST-PCAARRD
6	01 May 2018 to 30 April 2021	LWRD-IAE	Smarter Approaches to Reinvigorate Agriculture as an Industry in the Philippines II .Proj. 2.3 Smarter technologies for Crop Water Management		Research	Dr. Roger A. Luyun,Jr., Dr. Ronaldo B. Saludes, Engr. Yaminah Mochica M. Pinca, Engr. Toni-An Mae C. Salcedo, aP Erwin P. Quilloy, and Paolo Rommel P. Sanchez	DOST-PCAARRD
7	02 April 2018 to 15 December 2018	LWRD-IAE	Assessing the Resurgent Irrigation Development Program of the Philippines – Communal Irrigation Systems Component		Research	Dr. Roger A. Luyun,Jr. and MM Garcia	PIDS
8	01 December 2018 to 30 November 2018	LWRD-IAE	Assessment of the Impacts of the National Research and Development Program on Organic Vegetables		Research	aP Rosa B. Delos Reyes	
9	On going	IAE/DCE	The UPLB Off-Grid Community Based Sustainable Energy Research		Action Research, Green community	Dr. Marish S. Madlangbayan, Dr. Rossana Marie C. Amongo, Dr. Marloe B. Sundoe, Dr. Fernando O. Paras Jr., Dr. Arthur L. Fajardo, and aP Mark Keylord S. Onal	NGCP
10	On going	BIOMECH	Evaluative Project on the Assessment of DA's Mechanization Program for Various Commodities	Benchmarking Activities in Vietnam for rice cassava and coffee	Policy Recommendation based on assessment of the past DA Mechanization Program	Dr. Rossana Marie C. Amongp, Dr. Victor A. Rodulfo Jr., Engr. Alexis C. del Rosario, and Dr. Maria Victoria L. Larona	PCAF-DA
11	On going	BIOMECH/IAE	Small Scale Irrigation Program for the Region IV A CALABARZON Region	Data gathering for the different SSIPs in Laguna & Quezon Mapping of the Potential Areas for SFRs and PISOs for Laguna Province	Potential SSIP in the the CALABARZON Region	Dr. Rossana Marie C. Amongo, Dr. Ronaldo B. Saludes, Dr. Roger A. Luyun, Jr., Engr. Ronnie C. Valencia, MG Acosta, and Ms. Khendy SA. Bautista	DA-BAR
12	On going	BIOMECH	Policy Formulation of the Standard Procedure for Fishery Mechanization Index Integrating the Best Practices on the Utilization of Fisheries Mechanization Technologies (FMTs)	Terminal report presentation to AFMec-DA-PCAF	Policy recommendation for the Fisheries Mechanization Procedure for the computation of the Fisheries Mechanization Index	Dr. Rossana Marie C. Amongo, Dr. Maria Victoria L. Larona, aP Mark Keylord S. Onal, Ms. Gherlee Nelle L. Lalap, Engr. Adrian A. Borja, and Engr. Mark Twain A. Limbo	PCAF-DA

13	On going	BIOMECH	The UPLB Un-energized Community-Based Sustainable Energy Research Program	Fabrication of the e-tractor component Testing of the e-trike component Discussion on the new project site	Introduction of RE Technologies for un-energized community	Marish S. Madlangbayan, Dr. Marloe B. Sundo, Dr. Rossana Marie C. Amongo, Dr. Fernando O. Paras, Jr., Dr. Arthur L. Fajardo, aP Mark Keylord S. Onal, aP Erwin P. Quilloy, Dr. Maria Victoria L. Larona, Engr. Crisaulo M. Reynoso, Engr. Mark Angelo F. Ranchez, Engr. Gil P. Bustilla, Engr. Hakeem V. Canonio, and Engr. Christian Dominic Q. Alfonso	NGCP
14	On going	BIOMECH	Optimization and Pilot Testing of the Developed Drying System for Seaweeds	Project Mobilization	Commercial prototype of seaweed drying system	Dr. Ronel S. Pangan- Project Leader, Engr. Ampy Paulo K. Roxas, and Mr. Eric Repoldo	DOST-PCAARRD PhP 4.7M
15	On going	BIOMECH/IAE	Small Scale Irrigation Program for the Provinces of Mindoro	Project Mobilization	Potential SSIP in the Provinces of Mindoro	Dr. Rossana Marie C. Amongo, Dr. Ronaldo B. Saludes, and Dr. Roger A. Luyun, Jr.	DA-BAR PhP 2.8M
16	On going	BIOMECH	Improvement and Promotion of a Technology Package for the Production of Powder from Turmeric for Commercial Application	Project Mobilization	Technology Package for Turmeric Powder Production	Engr. Jose D. de Ramos and Engr. Marife R. Santiago	DA-BAR PhP 5M
17	On going	BIOMECH	Policy Study on the Implementability of Contiguous Farming in Rice and Corn Areas in the Philippines	Project Mobilization	Policy brief on the implementation of contiguous farming for rice and corn in the Philippines	Dr. Rossana Marie C. Amongo, Dr. Maria Victoria L. Larona, and aP Mark Keylord S. Onal	DA-PCAF PhP 2.5M
18	Completed	BIOMECH	Development of a Comprehensive Mechanization Resource Mapping, Monitoring and Data Analysis System (M3DAS) for Planning, Implementation and Policy Data Generation for Government Departments and LGUs	Processing and Analysis of data collected; Preparation of materials for validation workshops/presentations on project sites	M3DAS System for Mechanization Planning and Implementation on LGU, Provincial, Regional and National level	Engr. Alexis C. del Rosario, Engr. Jose D. de Ramos, Engr. Marife R. Santiago, Engr. Kristina K. Relleve, Engr. Danica C. Calanoga, Ms. Arlene M. Tolentino, Mr. Evan R. Reblora, and Ms. Alethea Colleen B. Escandor	PCAARRD-DOST

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**C. Technical Assistance**

<b>No.</b>	<b>Date/Duration</b>	<b>Unit</b>	<b>Specific Title</b>	<b>Highlights</b>	<b>Venue</b>	<b>Personnel Involved</b>	<b>Role of Unit</b>
1	26 September 2018	BIOMECH	Dr. Mikio Umeda's Visit to BIOMECH	BIOMECH Presentation and tour to BIOMECH Display Area	IAE Conference Room	Dr. Ronel S. Pangan, Engr. Marck Ferdie V. Eusebio, and Engr. Adrian A. Borja	Received visitors in coordination with CEAT Dean's Office
2	27 September 2018	BIOMECH	St. Matthew of Blumentritt Institute of Technology Educational Visit	BIOMECH Presentation and tour to BIOMECH Display Area	AMTEC Conference Room and BIOMECH Display Area	Dr. Ronel S. Pangan, Engr. Marck Ferdie V. Eusebio, and Engr. Adrian A. Borja	Received visitors in coordination with Office of the Public Relation, UPLB



D. Scientific Productivity

No.	Unit	Type of Publication	Title	Author (s)	Publisher	Date Published
1	LWRD-IAE	International	The application of best management practices increases the profitability and sustainability of rice farming in central plains of Thailand	Dr. Rubenito M. Lampayan	Elsevier	06 April 2018
2	LWRD-IAE	International	Quantification of an overlooked water resource in the tropical rainfed lowlands using Rapideye satellite data: A case of farm ponds and the potential gross value for smallholder production in southern Laos	C.Vote, P.Eberbach, T.Inthavong, Dr. Rubenito M. Lampayan, S.Vongthilard, LJWade	Elsevier	10 August 2018

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**E. New Appointments/Resignations/Retirements**

No.	Date	Unit	Name	Position
1	July to December 2018	DIE	Engr. Micah A. Ramirez	PDA (Project Leader) (Project Title: UIS Evaluation)
2	July to December 2018	DIE	aP Clarissa M. Pesigan	PDA (Assistant Proj. Leader) (Project Title: UIS Evaluation)
3	August 2018 to January 2019	DIE	Engr. Micah A. Ramirez	PDA (Project Leader) (Project Title: Development of UHO MIS)
4	August 2018 to January 2019	DIE	Engr. Stephanie Caridad DR. Landicho	PDA (Asst. Project Leader) (Project Title: Development of UHO MIS)
5	01 September to 31 December 2018	BIOMECH	Engr. John Carlo C. Navasero Engr. Kobe Conrad R. Abellera	URA I for the Small Scale Irrigation Program for the Provinces of Mindoro project
6	01 September to 15 December 2018	BIOMECH	Engr. Mel Vincent A.Ampo	URA I for the Optimization and Pilot Testing of the Developed Drying System for Seaweeds project
7	11 September 2018	DEE	Engr. Lucky Angelo A. Nagpala	Instructor 2
8		DEE	Engr. Genev Yesiree M. Rodriguez-Garcia	Assistant Professor 1
9	24 September 2018	DCE	Engr. Alvin Joseph S. Dolores	Instructor 2 (Substitute faculty)
10	01 October to 15 December 2018	BIOMECH	Engr. Ynno Barredo	URA I for the Optimization and Pilot Testing of the Developed Drying System for Seaweeds project

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**F. Local and Foreign Visitors**

No.	Date	Unit	Name	Organization	Place of Origin	Purpose of Visit
	12 September 2018	Dean's Office		FEDCO Paper Corporation	Calamba, Laguna	Discussed Industry-Academe linkage program of CEAT and possible areas of partnership with the college
	26 September to 04 October 2018	IAE	Dr. Umeda Mikio		Kyoto, Japan	Visiting Professor

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**G. Visiting Exchange Faculty/Students**

No.	Date	Name	School	Place of Origin	Field of Interest
	02-16 September 2018	Dr. Atsushi Ueno	Graduate School Faculty of Urban Environmental Sciences, Tokyo Metropolitan University (TMU)	Tokyo, Japan	Civil Engineering

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**H. New MOU/MOA**

No.	Unit	Duration	Parties Involved	Purpose of Agreement
1		NONE		
2				

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**I. Awards and Recognition (Faculty, REPS, Administrative Personnel, Students)**

<b>No.</b>	<b>Unit</b>	<b>Name of Awardee/Recipient</b>	<b>Position</b>	<b>Title of Award</b>	<b>Granting Organization</b>	<b>Date of Award</b>
1	DChE	Dr. Myra G. Borines and Dr. Jewel A. Capunitan	Associate Professor 5 and Assistant Professor 6	UPLB Centennial Professorial Chair Award 2018-2019	UP OVPA	01 July 2018 to 30 June 2019
2	DChE	Dr. Rex B. Demafelis, Engr. Kristel M. Gatdula, and Engr. Bernadette T. Magadia	Professor 10, Instructor 5, University Researcher I	International Publication Award	UP OVPA	07 September 2018
3	DCE	Mr. Kenneth Fajardo	5th Year BSCE Student	2nd Place, Regional Elimination, 37th National Civil Engineering Students' Quiz	Philippine Institute of Civil Engineers (PICE)	08 September 2018

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**J. Other Announcements (Renewal of Appointments with Promotion)**

No.	Effectivity	Name	Unit	Previous Designation	New Designation
	NONE				

**DChE Announcements:**

aP Michael Vincent O. Laurio is in Study Leave with pay to pursue his PhD in Chemical Engineering at Rowan University, USA (under UPLB-ERDT Scholarship)

CG Alffara was nominated by CEAT to the UPLB Outstanding Teacher's Award - Senior Category

PHYS 51 and MATH 27 Review ChEssions are being conducted for BS ChE Freshmen

**AMTEC Announcements**

A total of 28 agricultural machinery (4WD Tractors, Cultivator, Corn Mill, Floating Tiller, Multi Crop Pulverizer, Cassava Chipper, Cassava Granulator, Multi-purpose Shredder/Decorticator, Rice Mills, Forage Chopper, Hammer Mills, Power Weeder, Trailing Harrows, Rotary Tiller, Disc Plows, Diesel Engine, Gasoline Engine, and 2WD Tractor) were tested last September 2018.

**DIE Announcements:**

(1) Engr. Micah A. Ramirez attended the 22nd UPOU Commencement Exercises as a graduate of Master of Information Systems as of Midyear 2018

(2) A paper by MRCarino (recent IE graduate), Engr. Micah A. Ramirez's advisee, was accepted last 19 September 2018 for oral presentation at the 3rd International Conference on Dynamic Innovation at Langkawi Island, Malaysia on November 28-29, 2018. Engr. Ramirez applied for UPLB Academic Development Fund and UP Research Dissemination Grant for financial support to be able to attend as presenter on the conference

**DEE Announcements:**

(1) Renewal of appointments as Project Development Associates by OVCPD: aP Elvin D. Dulce, Engr. Athena P. Lavega, and Engr. Kim Jay R. Rosano from November 1, 2017 to July 31, 2018. Their tasks include conduct research/study to develop Terms of Reference (TOR) and other needed documents for procurement / bidding of power supply of UPLB, and provide assistance in UPLB's compliance to the protocols of Wholesale Electricity Spot Market (WESM), including power nomination and marketing trading of power.

(2) Ad Hoc Committee on 100th Loyalty Day Float Parade Meeting: Engr. Raymond S. Mabilangan (faculty), Mr. Jose S. Mendoza (technician), and Mr. Sonny S. Anore (technician)

(3) Ad Hoc Committee on CEAT Souvenir Program: KJRRosano

(4) Ad Hoc Committee to draft the Terms of Reference (TOR) for the detailed architectural and engineering design for the EE building Phase II, CEAT, UPLB: aP Karen-Christian C. Agno, aP Elvin D. Dulce, Engr. Athena P. Lavega, Engr. Kim Jay R. Rosano, OVCPD, UPMO

(5) DEE Anniversary, September 18 to 22, 2018, which includes (PalaEEsipan, FacultEE Night and AIIEMpics 2018). This event is organized by the DEE Socials Committee (Engr. Gabriela Monica M. Gonzales, aP Annie Liza C. Pintor, Engr. Raymond S. Mabilangan, Engr. Kent Edrian J. Lozada, Engr, Kim Jay R. Rosano).

(6) Math 27 Tutorials for BSEE Freshmen Students, September 25 to December 11 (every Tuesdays, 5-6pm) through the initiative of DEE Student Progress Committee in partnership with UPLB SELES, UP ERG-LB, UPLB Engineering Society, UP Engineering Students' Guild. Acknowledgment to Dean Arnold R. Elepaño for the approved budget for the tutors and Faculty-in-Charge every session.

program includes KAIST Campus and EE laboratory tour, introduction to KAIST EE graduate programs and EE professors. Three (3) UPLB EE students (undergraduate and graduate) were selected to participate:

Mr. Adriane Joshua Miras - Undergraduate

Mr. Peter Je Dilao - Graduate

Engr. Rock Christian Tomas - Graduate

(8) REE Licensure Examination: 10 out of 10 first time takers passed the recently conducted REE board examination September 2018 in take.

(9) DEE-CEAT UPLB official email address: [dee.ceat.uplb@up.edu.ph](mailto:dee.ceat.uplb@up.edu.ph)

**IAE Announcements:**

(1) Ceremonial MOU Signing with CL FOLLOSCO Group last 05 September 2018

(2) IAE Flag Ceremony with participation of UP SAGES org. last 24 Sept.2018



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**K. Concerns (Students, Faculty, REPS, and Administrative Staff)**

No.	Concerns and Issues	Status	Unit
NONE			