

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	24-30 March 2019	Benchmarking Activity for the Project on "Policy Study on the Implementability of Contiguous Farming in Rice and Corn Areas in the Philippines" in Republic of Korea	Benchmarking activity in institutions related to the implementation of land reclamation/consolidation in Korea	Chonnam National University; Yeongsangang Project Office, Korean Rural Community Corporation (KRCC); Disaster Management Center, KRCC; Dongjin District Office, KRCC; LS Mtron Ltd - Tractor Manufacturer; KRCC Regional Office in Chungbuk, Korea KRA Office; KRA Exhibition Centre	Dr. Rossana Marie C. Amongo, Dr. Maria Victoria L. Larona, aP Mark Keylord S. Onal, Dr. Arsenio N. Resurreccion, Engr. Mark Twain A. Limbo, Engr. Gherlee Nelle L. Lalap, Engr. Francia M. Macalintal, and Ms. Lyn E. Oguis	BIOMECH and DA-PCAF	Project Implementer
2	04-06 April 2019	RDE Extension Program in Siquijor Province	<ul style="list-style-type: none"> Conducted account of all BIOMECH machines in the province Conferred with new PA on plans regarding demo and use of machines Conferred with farmer cooperators who will use the machines for actual operations and custom hiring 	Siquijor Province	Engr. Jose D. De Ramos, Engr. Alexis C. Del Rosario, and Engr. Marife R. Santiago	BIOMECH	RDE Staff
3	07-09 April 2019	Policy Study on the Implementability of Contiguous Farming in Rice and Corn Areas in the Philippines	Conduct of FGD with Office of the Provincial Agriculturist, BMD Corn World, and Villaluna Multi-Purpose Cooperative	OPA, Isabela Aurora, Isabela Cauayan City, Isabela	Dr. Rossana Marie C. Amongo, Dr. Maria Victoria L. Larona, aP Mark Keylord S. Onal, Engr. Mark Twain A. Limbo, and Engr. Gherlee Nelle L. Lalap	BIOMECH and AMD-IAE	Project Implementer
4	08 April 2019	Workshop with Mama Sita Foundation	Discussion of the possible research collaborations with the company	CL FolloSCO Innovateering Lab, New IABE Building, CEAT, UPLB	Dr. Arnold R. Elepaño, Dr. Myra G. Borines, Dr. Fernando O. Paras Jr., Dr. Kevin F. Yaptenco, Dr. Adeliza A. Dorado, and Engr. Mary Louise P. Pascual	DO, IAE, and IFS-CAFS	Attendees
5	08-12 April 2019	SEAMS GIS and Satellite Remote Sensing Training on Agricultural Monitoring		USM Cotabato	aP Vicente G. Ballaran, Jr. and Prof. Moises A. Dorado	AFSD-IAE	Facilitator
6	09 April 2019	DA-DILG JMC No. 2018-02: "National Guidelines on the Registration of Ownership of Agricultural and Fisheries Machinery and Equipment"	Overview and Presentation of the Guidelines on the Registration of Ownership of Agricultural and Fisheries Machinery	Lohas Hotel, Clark, Pampanga	Dr. Victor A. Rodulfo Jr.	BIOMECH	Resource Person/TWG Vice-chair
7		Unity Statement Against the Removal of Abstain	Through this unity statement, the Council of Student Leaders came up with a unanimous decision regarding Section C, Number 6 of CEB Guidelines. The candidates with number of votes lower than abstain will undergo scrutinization for there were no clear reasons for voting abstain in the elections.	Social Media	Various Student Formations	CSC	Signatory
8	10 April 2019	TWG Meeting on the revision of PNS/PAES for Ricemill	Set the definition for single pass and multi pass	DA-BAFS, Quezon City	Engr. Darwin C. Aranguren	AMTEC	TWG Member
9		UPLB Research Ethics Committee Meeting	General Policies and Guidelines as requirement for accreditation	OVCRE Annex Main Conference Room, UPLB	Engr. Marck Ferdie V. Eusebio	BIOMECH	Committee Member
10		Miting de Avance	The CEAT student body attended Miting De Avance last April 10 at the CEATLH to understand the principles and platforms of the candidates for CEAT Student Council.	CEAT Lecture Hall, UPLB	CEASE Candidates	CSC	Organizer
11	10-12 April 2019	Workshop on the drafting of evaluation scheme for the issuance of certificate of conformity	Implementation of CoC and TEAAC plans	Boy Scout of the Philippines, Los Baños, Laguna	Engr. Romulo E. Eusebio, Engr. Jasper C. Aliangan, Dr. Arthur L. Fajardo, Engr. M V. Santiago, Dr. Victor A. Rodulfo, Jr., and Engr. Alexis C. Del Rosario	AMTEC and BIOMECH	TEAAC Chair and Members

12	11 April 2019	NAMDAC Workshop	Implementation of the classification and registration of suppliers	Clark, Pampanga	Engr. Darwin C. Aranguren	AMTEC	Advisory Board Member
13		Visit of Leah Putman, Sustainable Health Enterprises	Discussions on cellulosic fibers to be converted into quality sanitary products.	BIOMECH, CEAT, UPLB	Dr. Myra G. Borines, Dr. Victor A. Rodulfo, Jr., Dr. Fernando O. Paras, Jr., and Engr. Jose D. De Ramos	DChE, BIOMECH, and IAE	Resource Persons
14		LF Logistics Management Trainee Roadshow		IE 100, CEAT, UPLB	DIE Faculty and Students	DIE	Hosts and participants
15		Good Morning, CEAT!	The CEAT SC provided taho, coffee, and biscuits to the CEAT Community for free last April 11 to assist them in their hell week. It also served as an encouragement to vote for the elections.	CEAT Library, EE Building, CEAT, UPLB	CEAT Students	CSC	Organizer
16	11-12 April 2019	Enhancement & awareness of agricultural & biosystems engineering profession	ABE profession updates	Tanza Oasis Hotel, Tanza, Cavite	Engr. Charleen Grace V. Deniega, Engr. David L. Bondoc, Engr. Jerson Jose J. Menguito, and Engr. Jamine Miguel J. Lopez	AMTEC	Participants
17		Techno-Forum on Seaweed Drying System	Introduced the developed drying system to seaweed farmers of Calauag, Quezon	Calauag, Quezon	Dr. Ronel S. Pangan, MAMpo, and YBarredo	BIOMECH	Technical Experts
18		USC-CSC Elections	Elections of new USC and CSC officers; CEAT library is one of the election precincts	CEAT Library, EE Building, CEAT, UPLB	CSO, CSC and other CEAT Admin Staff	CEAT and CSC	Election Officers
19	12 April 2019	UPLB DChE Thesis Grant Awarding	Thirteen (13) graduating thesis students received the UPLB DChE Thesis Grant (Php 10,000; 80% initial and 20% upon completion of thesis and submission of manuscript)	DChE, CEAT, UPLB	Faculty and Students	DCHE	Organizer
20	12-13 April 2019	RBCO Strategy Workshop		Tagaytay City	Dr. Roger A. Luyun, Jr., Engr. Jeffrey A. Gonzales, and aP Antonio Gavino P. Sobremisana	LWRD-IAE	Participants
21	13 April 2019	#CEATCares	A community service was held at the GK Village in Putho, Tuntungin, Los Banos, Laguna in collaboration with Mr. an Ms. Engineering Meet 2019 organizers and candidates to showcase the value of service of the pageant.	Gawad Kalinga Village	Mr. and Ms. Engineering Meet	CSC	Organizer
22	14-18 April 2019	Benchmarking and Appreciation Activity of the Manahanobis National Crop Forecast Centre (MNCFC)		New Delhi, India	aP Vicente G. Ballaran, Jr.	AFSD-IAE	Participant
23	15 April 2019	Training on the ORM of the UPLB Hand Tractor	Conducted training on the ORM of the UPLB Hand Tractor to some UST students	BIOMECH, CEAT, UPLB	Engr. Jose D. de Ramos and Engr. Marife R. Santiago	BIOMECH	Coordinators
24		Briefing of Visitors	Briefed faculty and AE students from Bataan Peninsula	BIOMECH, CEAT, UPLB	Engr. Jose D. de Ramos and Engr. Marife R. Santiago	BIOMECH	Coordinators
25	16 April 2019	Company visit to On Semiconductor	Plant visit and discussion of CEAT Industry-Academe Linkage Program	On Semiconductor, Carmona, Cavite	Dr. Fernando O. Paras, Jr., Dr. Jey-R S. Ventura, Dr. Maria Concepcion M. Detras, Engr. Lucky Angelo A. Nagpala, and Engr. Mary Louise P. Pascual	IAE, DES, DChE, DEE, and DO	Attendees
26		Smart Agriculture Meeting	Discussion on the development of project proposal to be conducted by CEAT	BIOMECH Conference Room, CEAT, UPLB	Dr. Victor A. Rodulfo Jr., Engr. Jose D. De Ramos, Dr. Ronel S. Pangan, Engr. Alexis C. del Rosario, Engr. Marife R. Santiago, Engr. Marck Ferdie V. Eusebio, Engr. Adrian A. Borja, and Prof. Moises A. Dorado	BIOMECH AFSD, IAE	Attendees
27	16-20 April 2019	Benchmarking Activity for the Project on "Policy Study on the Implementability of Contiguous Farming in Rice and Corn Areas in the Philippines" in Thailand	Benchmarking activity in institutions related to the implementation of land consolidation/mega farms Thailand	Chai Nat Mega Farm for Corn; meeting arranged by Department of Agricultural Extension Visit of Megafarm for High Value crop Visit of Megafarm for Rice Visit of rice processing facility Rural Irrigation Development, Bureau of Central Land Consolidation Visit of Irrigation Project Site for Land consolidation area	Dr. Rossana Marie C. Amongo, Dr. Maria Victoria L. Larona, and aP Mark Keylord S. Onal, B Masa, and PCAF-DA	BIOMECH and AMD-IAE	Project Implementer

28	21 April 2019	Pre-Testing of Questionnaire for the project Assessment of the Level of Mechanization of Rice and Corn Production Systems in the Philippines		Bacolod City, Negros Occidental	Dr. Rossana Marie C. Amongo, aP Mark Keylord S. Onal, Dr. Arsenio N. Resurreccion, Engr. Mark Twain A. Limbo, Engr. Gherlee Nelle L. Lalap, Engr. Ronie C. Valencia, MGAcosta, KCRAbellera, and RSDumingding	AMD-IAE	Participants
29	22 April 2019	Hosting of UPLB Flag Ceremony		UPLB Administration Building/Main Library, UPLB	CEAT Faculty and Staff	CEAT	Participants and Organizer
30		Graduation Photoshoot Bidding	A bidding for the photo studios for graduation photos, yearbooks, and the likes were conducted by the CEAT Student Council last April 22, 2019 (Monday), 1-4PM at the CE 102. Everyone was highly encouraged to attend since studios presented the specifics of their packages.	CE 102	CEAT Council of Student Leaders	CSC	Organizer
31	22-26 April 2019	16th International Agricultural Engineering Conference and Exhibition and the 69th PSABE Annual National Convention	Oral and poster paper presentations	SMX Convention Center, Bacolod City	Engr. Romulo E. Eusebio, Engr. Darwin C. Aranguren, Engr. Fatima Joy J. Raytana, Engr. Karen Cybill D. Franco, Engr. Mark Daniel G. Estrada, Engr. Conrad Ian S. Tan, Engr. Mary Christine M. Agoncillo, Engr. Mary Louise P. Pascual, Dr. Victor A. Rodulfo, Jr., Dr. Ronel S. Pangan, Engr. Alexis C. Del Rosario, Engr. Marife R. Santiago, Dr. Maria Victoria L. Laron, AAB, MFVE, Engr. Gherlee Nelle L. Lalap, Engr. Mark Twain A. Limbo, Engr. Ronie C. Valencia, MGAcosta, Engr. John Carlo L. Navasero, RSDGDumingding, KBRAbellera, MGA, Dr. Rossana Marie C. Amongo, Dr. Arnold R. Elepaño, Dr. Roger A. Luyun, Jr., aP Erwin P. Quillooy, aP Mark Keylord S. Onal, Dr. Fernando O. Paras, Jr., Dr. Arsenio N. Resurreccion, aP Paolo Rommel P. Sanchez, Dr. Omar F. Zubia, aP Patrick Lemuel P. Relativo, aP Vicente G. Ballaran, Jr., MAFRanches, HVCanonio, and GBustillas	AMTEC, DO, and IAE	Participants
32	22-29 April 2019	Technical Expert and Workshop Facilitator at PhilMech		PhilMech, Science City of Muñoz, Nueva Ecija	Dr. Jessie C. Elauria	ABPROD-IAE	Facilitator
33	23-29 April 2019	BAFS TWG site visit for Tilapia and Aerator System		BAFS Batangas	Dr. Aurelio A. Delos Reyes, Jr.	LWRD-IAE	Participant
34	24 April 2019	Sunflower Graduation Pin	As the season of graduation is approaching, the CEAT Student Council proudly presents SUNFLOWER PINS to serve as a reminder that students are truly Iskolar ng Bayan or as a token to every friend who have achieved one of the sweetest victories - graduation. This also served as an income generating activity for the Student Council.	-	UPLB Graduating Students	CSC	Organizer
35	24-30 April 2019	Benchmarking activity on Land Reformation	Jeonju, Korea	Jeonju, Korea	Dr. Rossana Marie C. Amongo, aP Mark Keylord S. Onal, and Dr. Arsenio N. Resurreccion	AMD-IAE	Project Team Members
36	25 April 2019	Hands-on Training on SAIS Course Catalog and Course Offering of New Curriculum and Student's Advisement	Workshop on how to enter student status, course plan, and course prerequisites.	ILC, NCAS, UPLB	Ms. Loyola A. Lantican, Ms. Shiela S. Limjap, and Ms. Marilyn E. Tonio	CSO	Participants
37		PCB Lunch and Learn Workshop for Vibration and Noise testing		Pasay, Manila	Engr. Kent Edrian J. Lozada, aP Geniv Yesiree M. Rodriguez-Garcia, Mr. Sony S. Anore, and Mr. Jose S. Mendoza	DEE	Participants
38		Co-hosted the PGC-OVCRE Omics Research Lecture Series entitled "Renewable Energy from Energy Crops - An Inclusive Business Model"	The lecture was presented by Engr. Danilo P. Manayaga - President/CEO of SECURA International Corporation	DChE Seminar Room, CEAT, UPLB	Faculty, Staff, and Students	DChE	Organizers

39	26 April 2019	Building Administrator's Forum	Discussion on maintenance of structures and building premises	ICOPED Auditorium, CEM, UPLB	Dr. Richelle G. Zafra, aP Karen-Christian C. Agno, Engr. Lucky Angelo A. Nagpala, aP Lizbeth A. Mariano, and Engr. Mark Joseph S. Villanueva	DCE, DEE, and DIE	Participants
40	26-27 April 2019	Contiguous Farms and site visit of Block Farming Area		Moises Padilla, Bacolod Negros Occidental	Dr. Rossa Marie C. Amongo, aP Mark Keylord S. Onal, Dr. Arsenio N. Resurreccion, Engr. Mark Twain A. Limbo, and Engr. Gherlee Nelle L. Lalap	AMD-IAE	Project Team Members
41	27 April 2019	Ceremonial MOA signing with Tau Alpha Foundation, Inc. and Turalba Foundation, Inc.	MOA signing and donation of 300k for the CEAT-AA Student Financial Assistantship Program	Malarayat Golf and Country Club, Lipa, Batangas	Dr. Arnold R. Elepaño, Dr. Myra G. Borines, Engr. Pantaleon LI. Tabanao, and Dr. Jovita Movillon	CEAT and CEAT-AA	Attendees
42	27-29 April 2019	Strategic Planning on the Introduction of SARAI SEAMS to farming communities		Anilao, Batangas	Prof. Moises A. Dorado	AFSD-IAE	Facilitator
43	28 April to 04 May 2019	Site validation and facilitate FGD activity		Tagbilaran City, Pilar, Bohol	Dr. Victor B. Ella and Dr. Rubenito M. Lampayan	LWRD-IAE	Facilitator
44	29 April 2019	Design, Thinking, and Technopreneurship Workshop	Workshop collaboration between TTBD, DOST-PCIEERD, SIBOL, and CEAT attended by several CEAT faculty, staff, and students and ERDT scholars	EE Auditorium, CEAT, UPLB	Dr. Arnold R. Elepaño, Dr. Myra G. Borines, Dr. Kevin F. Yaptenco, Ms. Mary Jane F. Gallardo, and Engr. Maricel DC. Aquino	DO and CEAT Technopreneurship Committee, DCE	Coordinators/Organizers/Attendees/Participants
45	01-03 May 2019	Training on Encoding of the AFMechRDE Database and Information System for Higher Educational Institutions (HEI)/State Universities and Colleges (SUCs) offering BSAE/BSABE - Mindanao Cluster	Training on Encoding of the AFMechRDE DIS for HEIs-Mindanao Cluster	Cagayan De Oro City	Dr. Victor A. Rodulfo, Jr., Dr. Ronel S. Pangan, Engr. Adrian A. Borja, Engr. Marck Ferdie V. Eusebio, Dr. Maria Victoria L. Larona, Engr. Marife R. Santiago, and Engr. Jose D. De Ramos	BIOMECH	Project Implementer
46	03-04 May 2019	Site validation and facilitate FGD activity		Tagbilaran City, Pilar, Bohol	Dr. Roger A. Luyun, Jr.	LWRD-IAE	Facilitator

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 - 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 May 2017 - 30 April 2021	IPB and IAE	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
3	01 December 2017 - 30 November 2018 extended until 28 February 2019	LWRD-IAE	Assessment of the Impacts of the National Research and Development Program on Organic Vegetables		Research	aP Rosa B. Delos Reyes	DOST-PCAARRD
4	02 April 2018 - 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
5	01 May 2018 - 30 April 2021	AFSD-IAE	Smarter Approaches to Reinvalidate 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, REV Luna, Engr. Leo Niel T. Viado, JMSuarez, and KSGBrusola	DOST-PCAARRD
6	01 May 2018 - 30 April 2021	LWRD-IAE	Smarter Approaches to Reinvalidate Agriculture as an Industry in the Philippines II .Proj. 2.3 Smarter technologies for Crop Water Management		Research	RALuyun, Jr., RBSaludes, YMMPinca, TAMCSalcedo, EPQuilloy, PRPSanchez	DOST-PCAARRD
7	August 2018 - May 2019	LWRD-IAE	National irrigation Master Plan		Research	Dr. Victor B. Ella, Dr. Roger A. Luyun, Jr., Dr. Rubenito M. Lampayan, JQLomod, GmBrazil KBGarcia, and IGCajuguiran	NEDA-UPLBFI
8	31 December 2018	IAE and 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
9	01 January 2019 to 31 December 2020	AMD-IAE and BIOMECH	Assessment of the Level of Mechanization of the Rice and Corn Productions Systems in the Philippines	Notice to Proceed	Research	Dr. Rossana Marie C. Amongo, aP Mark Keylord S. Onal, and Dr. Maria Victoria L. Larona	DA-BAR (PhP 7,530,737)
10	2019	AMD-IAE	Coco Pests Eradication using Unmanned Aviation Vehicle (UAV), under the ERDT Proposal BUCo I4	Proposal	Research	Dr. Rossana Marie C. Amongo and aP Erwin P. Quilloy	PCAARRD-DOST

11	On Going	BIOMECH and IAE	Identifying suitable sites for small scale irrigation projects (SSIPS) in Mindoro Provinces through GIS-based water resources assessment Study: Needs and design assessment for the identification of the small-scale irrigation water sources for agricultural use	Coordination with Or. Mindoro and Oc. Mindoro for the conduct of training of enumerators Preparation for the conduct of training of enumerators; Training of enumerators of Oriental Mindoro, held on November 15, 2018 in Or. Mindoro	Potential SSIP in Mindoro Provinces	Dr. Rossana Marie C. Amongo, Dr. Ronaldo B. Saludes, Dr. Roger A. Luyun, Jr., and Dr. Maria Victoria L. Larona	DA-BAR
12	On Going	BIOMECH and IAE	Identifying suitable sites for small scale irrigation projects (SSIPS) in Region IV-A (CALABARZON) through GIS-based water resources assessment Study: Needs and design assessment for the identification of the small-scale irrigation water sources for agricultural use	On-going data collection, data for the different SSIPs in Laguna & Quezon; Mapping of the Potential Areas for SFRs and PISOs for Region IVA Training of enumerators of Rizal Province on November 9, 2018, at AMTEC, CEAT, UPLB	Potential SSIP in Region IVA	Dr. Rossana Marie C. Amongo, Dr. Ronaldo B. Saludes, Dr. Roger A. Luyun, Jr., and Dr. Maria Victoria L. Larona	DA-BAR
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 Completion of NADA report for Brgy. Macabud, Rodriguez, Rizal on November 14, 2016	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, MVAampo, YEBarrodo, and Mr. Eric Repoldo	DOST-PCAARRD Php 4.7M
15	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	Dr. Jose D. de Ramos, Engr. Marife R. Santiago, RPBarretto, JRCullat, and JLCasas	DA-BAR (Php 5M)
16	On Going	BIOMECH and IAE	Policy Study on the Implementability of Contiguous Farming in Rice and Corn Areas in the Philippines	Secondary data collection Visit of institutions involved in large-scale mechanization/land reformation Visited the NIA – MTG-PLIVIRISCAF Irrigators' Association Interviewed farmers re: contiguous farming/land consolidation	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, aP Mark Keylord S. Onal, Engr. Gherlee Nelle L. Lalap, and Engr. Mark Twain A. Limbo	DA-PCAF (Php 2.5M)
17	01 January 2019 to 31 December 2020 (2 years)	AMD-IAE	Assessment of the Level of Rice and Corn Productions Systems in Region IV (IVA and IVB)	In the process of approval	Assessment of the Level of mechanization in rice and corn production systems for the provinces of Region IVA and IVB vis-a-vis Ideal level of mechanization; Mechanization Gaps; Machinery requirement pe province	Dr. Rossana Marie C. Amongo, Dr. Dr. Maria Victoria L. Larona, and aP Mark Keylord S. Onal	DA-BAR
18	Proposal	AMD-IAE	An Assessment of Existing AMTEC Testing and Evaluation Procedures and Policy Implications of the Agricultural and Fisheries Program of the Government		Policy Study	Dr. Arthur L. Fajardo, Dr. Rossana Marie C. Amongo, and Dr. Arsenio N. Resurreccion	DA-PCAF
19	17 December 2018 to 30 December 2019	ABPROD-IAE	Postharvest Technologies for Rapid Screening and Improved Drying of Hybrid Rice Seed	MOA Signing	Research	Dr. Kevin F. Yaptenco, Asst. Prof. Fidelina T. Flores, Asst. Prof. Rina A. Bawar, and Engr. Luther John R. Manuel	Private seed company - PARRFI

COLLEGE: CEAT
Execom Meeting - May

C. Technical Assistance

No.	Date/Duration	Unit	Specific Title	Highlights	Venue	Personnel Involved	Role of Unit
	NONE						

D. Scientific Productivity

No.	Unit	Type of Publication	Title	Author (s)	Publisher	Date Published
1	DIE	Journal Article	A Hierarchical Model of Service Quality in the Prepaid Mobile Telecommunications Industry	Isip, Marc Immanuel G., Ortega, Riana Joyce B.	Philippine e-Journal for Applied Research and Development 8(2018), 44-57	30 December 2018
2	LWRD-IAE	IPA- Web of Science Core Collection; Science Citation Index Expanded (SCIE)	Modernization of National Irrigation Systems in the Philippines: Linking Design, Operation and Water Supply	Mona Liza F. Delos Reyes	Wiley-Blackwell Ltd., United Kingdom	15 February 2019
3	DChE	Refereed Journal	DNA-based electrochemical nanobiosensor for the detection of Phytophthora palmivora (Butler) Butler, causing black pod rot in cacao (Theobroma cacao L.) pods	AM Franco, FE Merca, MS Rodriguez, JF Balidion, VP Migo, DM Amalin, EC Alocilja, LM Fernando	Physiological and Molecular Plant Pathology	Accepted last 03 April 2019
4	ABPROD-IAE	Scimago Journal & Country Rank	Near-infrared spectroscopy for non-destructive prediction of maturity and eating quality of 'Carabao' mango (Mangifera indica L.) fruit	Yvonne Q. Polinar, Kevin F. Yaptenco, Engelbert K. Peralta, Josephine U. Agravante	Agric Eng Int: CIGR Journal Open	April 2019
5			Rapid Prototyping of a Cost Efficient Tipping Bucket Rain Gauge using Fused Deposition Modeling	Marck Ferdie V. Eusebio Adrian A. Borja		
6			Impact Assessment of the BIOMECH Agricultural Mechanization Extension Project in Dumingag, Zamboanga Del Sur	Maria Victoria L. Larona ¹ , Jose D. De Ramos ² , Alexis C. Del Rosario, Marife R. Santiago, and Rossana Marie C. Amongo		

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Proceedings Poster Paper

Approaches in Determining of Small-Scale Irrigation Projects (SSIPs) in CALABARZON Region, Philippines through GIS-based Water Resources Assessment for Food Security	RC Amongo, RB Saludes, RA Luyun, Jr., MVL Larona, PLP Relativo, RC Valencia, and KCR Abellera
Protocols for the Identification of Small-Scale Irrigation Projects' (SSIPS) in Mindoro Provinces, Philippines through GIS-Based Water Resources Assessment for Food Security	RCM Amongo, RB Saludes, RA Luyun, Jr; MVL Larona, JCL Navasero, and MG Acosta
Development of a Standardized Procedure for the Determination of the Philippine Fisheries Mechanization Index (FishMI)	Mark Keylord S. Onal, Rossana Marie C. Amongo, Maria Victoria L. Larona, Gherlee Nelle L. Lalap, Clarissa Ileana L. Ilao, Adrian A. Borja and Mark Twain A. Limbo
Determination of Fisheries Mechanization Index (FishMI) in Selected ASEAN Countries	RMC Amongo, MVL Larona, MKS Onal, CIL, Ilao, GNL Lalap, MTA Limbo, and AA Borja
Boat and Engine Matching: An Evaluation of Existing Methodologies for Selecting Engine Power Rating for the Philippine Outrigger Craft	AA Borja, RMC Amongo, MVL Larona, MKS Onal, and GNL Lalap
Some Physical and Mechanical Properties of Turmeric(Curcuma longa L.)	JD De Ramos, MR Santiago, RP Baretto, and JR Cullat
Design Improvements on the Developed Floating-type Seaweed Dryer	RSPangan
Optimization of the Floating-type Seaweed Dryer	RSPangan, MAmpo and Ybarredo

15	BIOMECH		Rapid Prototyping of a Cost Efficient Tipping Bucket Rain Gauge using Fused Deposition Modeling	Marck Ferdie V. Eusebio Adrian A. Borja
16			Impacts of the BIOMECH Agricultural Mechanization Extension Project in Dumingag, Zamboanga Del Sur	Maria Victoria L. Larona ¹ , Jose D. De Ramos ² , Alexis C. Del Rosario, Marife R. Santiago, and Rossana Marie C. Amongo
17			Site Suitability Analysis for Pump Irrigation Open Source System (PISOS) Development in Mindoro, Philippines through GIS-based Water Resources Assessment	JCL Navasero, RC Amongo, RB Saludes, RA Luyun, Jr., MVL Larona, PLP Relativo, RC Valencia, MG Acosta, and KCL Abellera
18			Protocols for the Identification of Small-Scale Irrigation Projects (SSIPs) in Mindoro Provinces, Philippines through GIS-based Water Resources Assessment for Food Security	RC Amongo, RB Saludes, RA Luyun, Jr., MVL Larona, JCL Navasero, MG Acosta, and RSDG Duminding
19			Approaches in Determining of Small-Scale Irrigation Projects (SSIPs) in CALABARZON Region, Philippines through GIS-based Water Resources Assessment for Food Security	RC Amongo, RB Saludes, RA Luyun, Jr., MVL Larona, PLP Relativo, RC Valencia, and KCR Abellera
20			Potential Site Identification for Small Farm Reservoir Development (SFR) in Laguna, Philippines, through GIS-based Water Resources Assessment for Food Security	MG Acosta, RC Amongo, RB Saludes, RA Luyun, Jr., MVL Larona, PLP Relativo, RC Valencia, KCR Abellera, and JCL Navasero
		Proceedings Technical Paper		

21	Site Suitability Analysis for Diversion Dam (DD) Mindoro Philippinwa using GIS-based Water Resources Assessment	KCR Abellera, RC Amongo, RB Saludes, RA Luyun, Jr., MVL Larona, PLP Relativo, RC Valencia, MG Acosta and RSDG Duminding
22	Determination of the Philippine Fisheries Mechanization Index (FishMI)	Mark Keylord S. Onal, Rossana Marie C. Amongo, Maria Victoria L. Larona, Gherlee Nelle L. Lalap, Clarissa Ileana L. Ilao, Adrian A. Borja and Mark Twain A. Limbo
23	Existing Methodologies on Fisheries Mechanization Index (FishMI) in Selected ASEAN Countries	RMC Amongo, MVL Larona, MKS Onal, CIL Ilao, GNL Lalap, MTA Limbo, and AA Borja
24	Different Approaches on the Implementation of Contiguous Farming in Rice and Corn Areas in the Philippines	RMC Amongo, MVL Larona, MKS Onal, AN Resurreccion, MTA Limbo, and GNL Lalap
25	Some Physical and Mechanical Properties of Turmeric Rhizomes (<i>Curcuma longa</i> L.)	MR Santiago, JD De Ramos, RP Baretto, and JR Cullat
26	The Modified and Improved Floating-Type Seaweed Dryer	RS Pangan
27	Local Production of Single Cylinder Engine for the Agri-Fishery Sector	VA Rodulfo, Jr., MR Santiago, AL Fajardo, RC Martinez, MJB Reyes, and AE Llarena

28	AMD-IAE	Proceedings Technical Paper	Optimization of Performance of Pump Sets Distributed to Farmers	FRLRamos DCSuministrado ANResurreccion EKPeralta ALFajardo REEusebio
29			Testing and Evaluation of an Off-grid Solar PV Charging Station for Electric Vehicles	FOParas, Jr MKSONal ALFajardo GPBustillas HVCanonio MVLlarona MSMadlangbayan
30			Development of an Electric Hand Tractor (e-Tractor) for Transport	RMCAmongo EPQuilloy MAFRanches MVLlarona MSMadlangbayan
31			Testing and Evaluation of Horizontal Axis Wind Turbine for Rural Off-grid Community-Based Battery Charging Station	MKSONal FOParas, Jr ALFajardo HVCanonio GPBustillas MVLlarona MSMadlangbayan
32			Effect of Rotational Speed and Length of the Hexagonal Grits Sifter on the Sifting Efficiency	OFZubia AEAAntenor VARodulfo, Jr.
33			Thermo Physical Properties of Pellets made from Shredded Waste Paper	OFZubia JNLCombatir
34			Some Physical and Mechanical Properties of Japanese Quail Egg (Coturnix coturnix Japonica)	OFZubia GGEscultos AOAfan JJPACunan PISDizon PISNarvaez
35			Use of Color Sensor for Duck Egg Candling in Balut Production	MVAmpo ALFajardo EPQuilloy PRPSanchez

Compendium of Abstracts
PSABE

April 2019

36		Development of a Wireless Monitoring System for Greenhouses	CVMCasedo ALFajardo EPQuilloy PRPSanchez
37	ABROD-IAE	Drying Kinetics and Anticoagulant Activity of Microwave-vacuum, Dehumidified-air and Freeze-dried African Night Crawler (<i>Eudrilus eugeniae</i> Kinberg)	AFFortu, Jr EPLozada EKPeralta KFYaptenco DCSuministrado
38	AFSD-IAE	Rapid Detection of Inundated Area in Camarines Sur during Tropical Depression Usman Using SAR Data	KSG Brusola MADorado VGBallaran, Jr. JMSuarez LNTViado JRMGermita HFAPajarito
39		Automatic Detection of Spatial and Temporal Variation of Rice Planting in Laguna, Philippines	JMSuarez MADorado VGBallaran, Jr. KSG Brusola REVLuna DRNDavid, Jr. CIERamacula
40	AMD-IAE	Testing and Evaluation of an Off-grid Solar PV Charging Station for Electric Vehicles	FOParas, Jr MKSONal ALFajardo GPBustillas HVCanonio MVLlLarona MSMadlangbayan
41		Testing and Evaluation of Horizontal Axis Wind Turbine for Rural Off-grid Community-Based Battery Charging Station	MKSONal FOParas, Jr ALFajardo GPBustillas HVCanonio MVLlLarona MSMadlangbayan

42		e-Tractor for Agricultural Transport Application	RMCAmongo EPQuilloy MAFRanches MVLarona MSMadlangbayan	
43		Use of Color Sensor for Duck Egg Candling in Balut Production	MVAmpo ALFajardo EPQuilloy PRPSanchez	
44		Development of a Wireless Monitoring System for Greenhouses	CVMCasedo ALFajardo EPQuilloy PRPSanchez	
45	LWRD-IAE	Proceedings Poster Paper	AQWISE: an Android-Based Soil Moisture Measurement Tool for Smarter Irrigation	RALuyun, Jr. RBSaludes EPQuilloy PRPSanchez TAMCSalcedo YMMPinca CVMCasedo JAMAtienza
46			WAISS: A Smart Decision Support System for Irrigation Management	RALuyun, Jr. RBSaludes EPQuilloy PRPSanchez TAMCSalcedo YMMPinca CVMCasedo JAMAtienza
47		Rapid Detection of Inundated Area in Camarines Sur during Tropical Depression Usman Using SAR Data	KSG Brusola MADorado VGBallaran, Jr. JMSuarez LNTViado JRMGermita	

48	AFSD-IAE		Automatic Detection of Spatial and Temporal Variation of Rice Planting in Laguna, Philippines	JMSuarez MADorado VGBallaran, Jr. KSG Brusola REVLuna DRNDavid,Jr. CIERamacula		
49	ABPROD-IAE		Modified Atmosphere Packaging for Low Temperature Storage of White Flesh Variety Dragon Fruit (<i>Hylocereus undatus</i>)	MLPPascual EKPeralta KFYaptenco JCELauria		
50	DChE	Refereed Journal	Comparative Evaluation of Alkali Precipitation and Electrodeposition for Copper Removal in Artisanal Gold Smelting Wastewater in the Philippines. Desalination and Water Treatment 150, 396-405	EL Vivas, CG Alfafara, VP Migo, K Cho, MCM Detras, LC Trinidad, MD Mendoza, S Lee	Desalination and Water Treatment	01 May 2019

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E. New Appointments/Resignations/Retirements

No.	Date	Unit	Name	Position
1	April 2019	LWRD-IAE	Engr. Kristelle Marie S. Dela Cruz	Instructor 2 (Substitute to aP Rosa B. Delos Reyes)
2		AMD-IAE	Dr. Ralph Kristoffer B. Gallegos	Member of the Graduate Faculty (To teach graduate courses and Committee Member to Master Students)
3	01 April 2019	AMTEC	Engr. Franklin C. Pajaron	Project Assistant III
4			Engr. Trixie Marie P. Magtalas and Engr. Jerick Emmanuel A. Loberiza	Project Assistant II
5			Ms. Cielo Anne C. Pabella	Information Officer I
6	11 April to 30 June 2019	DIE	Mr. Romar S. Torillos	Utility Worker (ICS)
7	16 April 2019	AMTEC	Mr. Rickie Boy M. Golveo	Laboratory Aide I
8			Engr. Ellthon I. Turtor	Project Assistant II
9	16 May 2019	AMTEC	Engr. Mark Daniel G. Estrada	Project Assistant III

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F. Local and Foreign Visitors

No.	Date	Unit	Name	Organization	Place of Origin	Purpose of Visit
1	08 April 2019	CSO	Zenaida Dimalanta and other PhilDev representatives	PhilDev	Manila	to follow up on possible grantees of PhilDev scholarships (BS ABE students)
2	15 April 2019	IAE	Engr. May Cabral, Engr. Ronald Garcia, and 64 students	Department of Agricultural and Biosystems Engineering in Bataan Peninsula State University	Bataas	Study Tour
3	22 April 2019	DEE	Mr. Roberto F. Anonas	Fuji-Haya Electric Corporation of the Philippines		to discuss possible collaboration between DEE and other CEAT units and the company
4	30 April 2019	Office of the Associate Dean	Ms. Carol C. Andal and Ms. Iara Villacruz	Honda Philippines, Inc.	First Philippine Industrial Park, Tanauan, Batangas	to discuss the details of the upcoming Teen Smart Road Safety Seminar to be conducted by the company in CEAT
5	02 May 2019	Office of the Dean	Ms. Catherine Dy, Engr. Santiago, and Ms. Nica Dy	Sim Beng Ko Marketing Corporation	Caloocan, Manila	to discuss the CEAT Academe-Industry Linkage Program

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G. Visiting Exchange Faculty/Students

No.	Date	Name	School	Place of Origin	Field of Interest
	NONE				

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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)

No.	Unit	Name of Awardee/Recipient	Position	Title of Award	Granting Organization	Date of Award
1	AMD-IAE	RMCAmongo;EPQuilloy; MAFRanches; MVLLarona,MVL; and MSMadlangbayan	CEAT Faculty and Staff	2nd Best Paper Award (Agricultural Mechanization, Power, Machinery & Equipment Category- 30 Technical Paper Entrees for Competition) for the paper entitled, "Development of an Electric Hand Tractor (e- Tractor) for Transport"	PSABE	26 April 2019
2	AMD-IAE	MVAampo, ALFajardo, EPQuilloy, PRPSanchez	CEAT Faculty and Staff	2nd Best Poster Award for the paper entitled, "Use of Color Sensor for Duck Egg Candling in Balut Production"	PSABE	26 April 2019

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J. Other Announcements (Renewal of Appointments with Promotion)

No.	Effectivity	Name	Unit	Previous Designation	New Designation
1	01 August 2019	Engr. Kristel M. Gatdula	DChE	Instructor 5	Instructor 7 (Renewal)
2	28 March 2019	Dr. Jerico Z. Alcantara	DChE		Assistant Professor 5 (Permanent)

AMTEC Announcements

(1) Visitors from BPSU (April 10, 2019): 3 Instructors and 64 students
(2) Meeting with UP Pres. Danilo L. Concepcion (April 22, 2019) at the Office of the President, UP Diliman, Quezon City with the following attendees: -UP President Danilo L. Concepcion -UPLB Chancellor Fernando C. Sanchez, Jr. -AMTEC Director Arthur L. Fajardo -OVCRE Vice Chancellor Rex B. Demafelis -Dean Arnold R. Elepano -Information Officer Cielo Pabella
(3) Mini-workshop last May 1. Re: AMTEC Plans and Proposal for Plantilla items with the following attendees: -AMTEC Director Arthur L. Fajardo -Engr. Romulo E. Eusebio -Engr. Darwin C. Aranguren -Engr. Rhey Marc C. Albalos -Engr. Jasper C. Aliangan -Engr. Conrad Ian S. Tan -Engr. Ray D. Alipio -Information Officer Cielo Pabella

DEE Announcements:

(1) April 2019 Licensure Examination of Registered Electrical Engineers, DEE-UPLB performance: 100% passing rate (33 out of 33 first time takers), with six (6) slots in the top 10 CLARK SIGMUND RABANO DE CASTRO (1st) ALJON SA MIENTO GABLAN (3rd) JAMES CHR STIAN TURNER DIAZ (4th) MA DANICA GALICIA CASTILLO (5th) CARL PETER CHRISTIAN CAÑIDO CAAMPUED (6th) JENIFER GALLARDO RICALDE (9th)
(2) DEE ranked 1st in the Top Performing and Performance of Schools for REE Board Exam

IAE Announcement:

(1) Aircon: Installation-on going (duration: 24 June 2019)
(2) Some Furnitures: Still Waiting for delivery (from abroad)

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

No.	Concerns and Issues	Status	Unit
	NONE		