

**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	10-11 June 2019	Gender-Sensitive Counseling and Action Planning for Committee Members		Hotel Kimberly, Tagaytay	aP Annie Liza C. Pintor	DEE	Participant
2	01-02 July 2019	Mechanization needs assessment in the production of coco sugar from coconut sap	<ul style="list-style-type: none"> <li>•Visited the manufacturing plant and interviewed the staff of the project collaborator</li> <li>•Conferred with the owner of the manufacturing plant regarding terms of project collaboration</li> <li>•Conferred with the resident engineer of the manufacturing plant regarding future mechanization requirements</li> </ul>	<ul style="list-style-type: none"> <li>•Asiniero International Trading, Bgy Lower Irasan, Roxas, Zamboanga del Norte</li> <li>•Dipolog City</li> </ul>	Engr. Jose D. de Ramos, Engr. Marife R. Santiago, and Mr. Renie R. Repoldo	BIOMECH	Implementing unit
3	01-03 July 2019	XYZ CNC Engraver Training	Basic Operation and Maintenance of XYZ CNC Engraver	CEAT Shop, CEAT, UPLB	Mr. Eric C. Repoldo, Engr. Marck Ferdie V. Eusebio, and Engr. Adrian A. Borja	BIOMECH	Participants
4	02-04 July 2019	2nd Higher Education Administrator's Development Seminar	The seminar was intended to help the current administrators to adapt to changes within and outside the University ; to navigate and solve conflicts and to motivate people towards working for a more progressive Industrial Revolution 4.0	Philippine Judicial Academy (PHILJA) Training Center, Barangay Silang, Crossing East, Tagaytay City	Dr. Myra G. Borines, Dr. Monet Concepcion M. Detras, aP Kathleen L. Baldoz, and Dr. Fernando O. Paras Jr.	DChE, DIE, IAE	Participants
5		Writeshop for the National Irrigation Master Plan		Somerset Hotel, Alabang	Dr. Victor B. Ella, Dr. Rubenito M. Lampayan, and Dr. Roger A. Luyun Jr.	LWRD-IAE	Participants
6	02-11 July 2019	DOST-JSPS Workshop on Spectroscopic Techniques		DEE/Physics Department, UPLB	aP John Paolo A. Ramoso, Engr. Aryan Paola A. Manalo, and DEE students (Electronics major)	DEE	Participants
7	03 July 2019	Interview with black pepper processor reg. food sterilization needs		Lipa, Batangas	Dr. Kevin F. Yaptenco	ABPROD-IAE	Facilitator
8	03-04 July 2019	Confer with PHilMech re: Proposed project on involvement of HEI network on the establishment of Custom Service facilities as part of RCEF	<ul style="list-style-type: none"> <li>•Met with PHilMech staff on proposed project</li> <li>•Discussed other collaborative projects such as faculty immersion, training assistance, etc.</li> </ul>	PHilMech, Muniz, Nueva Ecija	Dr. Arnold R. Elepaño, Dr. Victor A. Rodulfo Jr., Engr. Alexis C. Del Rosario, and Dr. Mark Victoria L. Larona	BIOMECH	Collaborating Agency
9	09 July 2019	PAA Conference (SPICE Project)		PICC, Pasay City, Metro Manila	Dr. Ronaldo B. Saludes	AFSD-IAE	Participant
10	10 July 2019	National TWG Meeting of the Agricultural and Fisheries Mechanization Engineering Resource Network (AFMechERN) Portal	<ul style="list-style-type: none"> <li>•AFMechERN Portal and content</li> <li>•Analytics (users and feedbacks)</li> <li>•Data privacy (what information are to be available to different users, i.e. public and researchers)</li> </ul>	PHilMech Liaison Office, ATI Bldg., Elliptical Rd., Diliman, Quezon City	Engr. Jose D. De Ramos and Dr. Maria Victoria L. Larona	BIOMECH	Member of the TWG for AFMechERN Portal
11		NSC Presentation of Cluster 1-4 for RBCO-DENR River Basins Project		RBCO-DENR River Basins	Dr. Roger A. Luyun, Jr.	LWRD-IAE	Resource Person
12	11 July 2019	15th AMTEC Advisory Board Meeting	Updates on the procurement of equipment, facilities, backlogs and finance; proposal for testing fee increase and plantilla positions	FOS Conference Room, DA, Quezon City	Dr. Arthur L. Fajardo, Engr. Darwin C. Aranguren, Engr. Romulo E. Eusebio, Engr. Jerick Loberiza, and Engr. Cielo Pabella	AMTEC	Secretariat
13		<ul style="list-style-type: none"> <li>•In-house Training on UTM Operation for CE Faculty</li> <li>•Seminar on Increasing Research Publication for CE Faculty</li> </ul>		DCE, CEAT, UPLB	CE Faculty	DCE	Participant
14		Identification of Prospective Cooperatives as Participant in the CSF Project under RCEF	<ul style="list-style-type: none"> <li>•Visited PA to discuss proposed project on CSF as part of RCEF</li> <li>•Interviewed 3 cooperatives on their level of interest to participate in the project</li> <li>•Ocular survey of existing machines and facilities owned by the farmer's groups</li> </ul>	Laguna Province	Dr. Victor A. Rodulfo Jr., Engr. Jose D. de Ramos, Engr. Alexis C. Del Rosario, Dr. Ronel S. Pangan	BIOMECH	Project Proponent
15	11-14 July 2019	Resource person in the SEAFDEC Aquaculture Department International Training Course on Marine Fish Hatchery		SEAFDEC AQD, Tigbauan, Iloilo	Dr. Aurelio A. Delos Reyes, Jr.	LWRD-IAE	Resource Person
16	12 July 2019	NSC Presentation of Cluster 5-8 for RBCO-DENR River Basins Project		RBCO-DENR River Basins	aP Antonio Gabino P. Sobremisana and Engr. Jeffrey A. Gonzales	LWRD-IAE	Resource Person

17	12-13 July 2019	DChE Planning Workshop and Team Building	The workshop was conducted to discuss the current status of the Department in terms of faculty and staff, enrollees, graduates, board exam performance, facilities, etc. The special topic (ChE 191) to be offered during the 1st semester, department website updates, and plans for the 35th DChE anniversary next year were also tackled.	Punta de Fabian, Baras, Rizal	DChE Faculty, Staff, and REPS	DChE	Participants
18	13 July 2019	Conduct of Training on the Strategies for the NGCP-UPLB-FIRE Technologies' Sustainability	•Presentation of sustainability plan •Presentation of Bookkeeping and Monitoring of Income and Expenses of the RE Technologies	Brgy. Macabud, Rodriguez, Rizal and LGU Office of Rodriguez, Rizal	Dr. Marish S. Madlangbayan, Dr. Marloe B. Sundo, Dr. Rossana Marie C. Amongo, aP Erwin P. Quilloy, Engr. Richard Dean F. Morales, MAF Ranches, HV Canonio, GP Bustilla, CDQ Alfonso, and GMKC Ocampo	BIOMECH	Organizers
19		Training on sustainability in all components (e-trike, e-tractor and e-charging)		Macabud, Rodriguez, Rizal	Dr. Arthur L. Fajardo	AMD-IAE	Facilitator
20	15 July 2019	DC Meeting of PCAARRD DOST	Presentation of the M3DAS project proposal to the DC	PCAARRD-DOST	Engr. Alexis C. Del Rosario and Engr. Jose D. de Ramos	BIOMECH	Project Proponents
21		Presentation of the initial output of National Irrigation Master Plan to NIA Board and Key officials		NIA Central Office, Quezon City	Dr. Victor B. Ella, Dr. Rubenito M. Lampayan, and Dr. Roger A. Luyun Jr.	LWRD-IAE	Presentor and Resource Persons
22	15-19 July 2019	81st SOT "Seminar on Facilitating Learning"	Seminar to enrich newly hired faculty members' teaching skills	Institute of Animal Science, CAFS, UPLB	Engr. Ron Gabriel O. Navarro, Dr. Resmond L. Reaño, Engr. Allan Marco S. Mercado, and Engr. Mark Joseph S. Villanueva	DCE, DES, and DIE	Participants
23	16 July 2019	AFMeC TWG on Manufacturing and Supply	Updates	BAC Room, PCAF, DA, Quezon City	Engr. Trixie Marie Magtalas	AMTEC	Observer
24		AFMeC Task Force on Registration of Ownership	Licensing of post-harvest facilities; updates	Apacible, PCAF, DA, Quezon City	Engr. Trixie Marie Magtalas and Dr. Arthur L. Fajardo	AMTEC	Member
25		Meeting with Committee on the Manufacture of Single Cylinder Engine and Committee on Machinery Registration of DA-PCAF	•Updates on the plan for manufacture of single cylinder engines, where BIOMECH was designated as vice-chair of the task force •Status of machinery registration pilot testing and problems encountered	DA-PCAF, Quezon City	Dr. Victor A. Rodolfo Jr. and Engr. Alexis C. Del Rosario	BIOMECH	Participants
26		Preliminary Testing of Survey Questionnaire		Lipa, Batangas	Dr. Arsenio N. Resurreccion, Dr. Ralph Kristoffer B. Gallegos, and Dr. Rossana Marie C. Amongo	AMD-IAE	Facilitator
27	16-17 July 2019	Agricultural Eng'g Board Review BPSU-Bataan		BPSU-Bataan	aP Vicente G. Ballaran, Jr.	AFSD-IAE	Speaker
28	17 July 2019	CEAT Lecture Seminar	Lecture entitled, "Chemical Engineering Challenges in Life Sciences" by Prof. Dr. Leslaw Mleczko	IE-100, Department of Industrial Engineering, CEAT, UPLB	Dr. Arnold R. Elepaño, Dr. Myra G. Borines, Engr. Mary Louise P. Pascual, and Ms. Mary Jane F. Gallardo	DO	Co-Organizer
29		Meeting with Brgy. Officials of Macabud, Rizal and LGU of Rodriguez, Rizal for the turnover ceremony and MOU for the turnover of equipment for the UPLB Un-energized Community-Based Sustainable Energy Research Program	•Turnover ceremony preparation •MOU for turnover •Monitoring of RE technologies		Dr. Marish S. Madlangbayan, Dr. Marloe B. Sundo, Dr. Fernando O. Paras Jr., aP Erwin P. Quilloy, Engr. Richard Dean F. Morales, MAF Ranches, Dr. Maria Victoria L. Larona, HV Canonio, GP Bustilla, CDQ Alfonso, and GMKC Ocampo	BIOMECH	Organizers
30		Training on sustainability in all components (e-charging)		Macabud, Rodriguez, Rizal	Dr. Fernando O. Paras, Jr.	AMD-IAE	Presentor
31	17-18 July 2019	Workshop on Rice Mechanization R&D Agenda and Program Setting		Grace Crown Hotel, Balibago, Angeles Pampanga	Dr. Arthur L. Fajardo	AMTEC	Participant
32	17-19 July 2019	Gender and Development Planning		El Cielito Hotel, Sta Rosa, Laguna	aP Annie Liza C. Pintor	DEE	Speaker
33		DA BAR Workshop		Balibago, Angeles, Pampanga	Dr. Rossana Marie C. Amongo	AMD-IAE	Presentor
34	18 July 2019	Meeting with BAFE and National TWG on Contiguous Farming	•Presentation of the project output to the BAFE and national TWG Committee members of Contiguous Farming in the Philippines •Plans of the committee	BAFE, DA, Quezon City	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, Engr. Ronnie C. Valencia, and RSD Duminding	BIOMECH	Project Implementer
35		Project Presentation		DA-BAFE, Quezon City	DA-BAFE, Quezon City	AMD-IAE	Presentor
36		NSTW, World Trade Center		Pasay City	Dr. Ronaldo B. Saludes	AFSD-IAE	Participant

37	19 July 2019	CEAT Workshop & Teambuilding	Attended by CEAT Faculty, Staff, and CSC	Club Manuel Hall, Shercon Resort and Ecology Park, Mataas na Kahoy, Batangas	Dr. Myra G. Borines, Mr. Rusellen E. Baraquio, and Dr. Ramon Christian P. Eusebio	DO	Organizers
38		CEAT Team Building	Develop camaraderie among CEAT constituents	Shercon Resort, Mataas na Kahoy, Batangas City	CEAT Faculty, Staff and CSC	CEAT	Participants
39	22-25 July 2019	ATI 7 Training Course on Machinery Specification and Standards for Manufacturers and Dealers		ATI Complex Cabawan District, Tagbilaran City Bohol	Dr. Aurelio A. Delos Reyes, Jr.	LWRD-IAE	Resource Person
40	22-26 July 2019	Rehabilitation and repair of farm machines in preparation for the establishment of a custom-hiring facility for BIOMECH-developed corn mechanization technology in Siquijor province	•Repaired and made operational the BIOMECH-developed machines: (a) corn sheller, (b) plow-mounted corn planter, (c) hand tractor and (d) corn mill •Conferred with the project collaborator regarding terms and counterpart requirements of the project	Siquijor, Siquijor	Engr. Jose D. de Ramos, Engr. Marife R. Santiago, Mr. Rennie R. Repoldo, and Mr. Joseph Eric M. Amit	BIOMECH	Implementing unit
41	22-27 July 2019	PSABE Review Lecturer		BPSU Abucay Bataan	Dr. Rossana Marie C. Amongo	AMD-IAE	Resource Person
42	23 July 2019	Reports from different Task Force and TWGs; endorsement of new PNS/PAES	Facilitated by Mr. John Mark Maclang and Ms. Jamila Cubelo and attended by CEAT Faculty members and staff and DTI employees	CL Follosco Innovationeering Lab, New IABE Building, CEAT, UPLB	Dr. Arnold R. Elepaño, Dr. Myra G. Borines, Dr. Kevin F. Yaptenco, aP Kathleen L. Baldoz, and Engr. Gino Apollo M. Guerrero	Dean's Office, ABPROD-IAE, DIE, DChE	Participants
43		2nd Quarter Assessment of the High Value Crops Development Program	AMTEC updates; HVC machinery tested	Bai Hotel, Mandaue City, Cebu	Dr. Arthur L. Fajardo	AMTEC	Resource Person
44	23-25 July 2019	Training Course on Machinery Specification and Standards for Manufacturers and Dealers	AMTEC updates; machinery standards and methods of test	ATI Complex, Cabawan District, Tagbilaran City, Bohol	Engr. Fatima Raytana	AMTEC	Resource Person
45	24 July 2019	AFMeC Regular Meeting	Reports from different Task Force and TWGs; endorsement of new PNS/PAES	Apacible Hall, PCAF, DA, Quezon City	Engr. Daniel Estrada and Dr. Victor A. Rodulfo, Jr.	AMTEC and BIOMECH	Member, AFMeC
46	25-27 July 2019	26th Annual Conference of the Transportation Science Society of the Philippines	Conference to bridge the gap on transportation infrastructure in the Philippines	University of San Jose-Recoletos, Cebu City	Dr. Marlow B. Sundo and SMN Mariano	DCE	Participants
47		Meeting with SRA Engineering Staff on their participation in the M3DAS project and discussion on rapid mechanization assessment proposal	•Discussion with SRA on possible pilot sites and role of SRA staff in the M3DAS project •Discuss deliverables on the proposed rapid mechanization assessment project	SRA, Diliman, Quezon City	Engr. Alexis C. Del Rosario and Engr. Jose D. de Ramos	BIOMECH	Project Proponent
48	26 July 2019	Pre-testing of questionnaires Rice and Corn in Lipa Batangas for the project on "Assessment of the Level of Mechanization of the Rice and Corn Production and Postproduction Systems in Region IV"	•Pre-testing of questionnaires Rice and Corn in Lipa Batangas	Rice and Corn in Lipa Batangas	Engr. Ronnie C. Valencia, Engr. Gherlee Nelle L. Lalap, RSDG Duminding, and Dr. Maria Victoria L. Larona	AMD-IAE and BIOMECH	Implementer and Co-implementer
49		Site visit of SARAI Project		Nueva Ecija	Prof. Moises A. Dorado	AFSD-IAE	
50	28 July to 01 August 2019	Coordination meeting, Data request at DA and NIA, LGU for the study proposal development		Cagayan de Oro City	Dr. Monaliza F. Delos Reyes	LWRD-IAE	
51	29-30 July 2019	Speaker for RDRRMC-MIMAROPA		Mamburao, Occ. Mindoro	Prof. Moises A. Dorado	AFSD-IAE	Resource Person
52	30 July 2019	Meeting with Brgy. Officials of Macabud, Rizal and LGU of Rodriguez, Rizal for the turnover ceremony and MOU for the turnover of equipment for the UPLB Un-energized Community-Based Sustainable Energy Research Program	•Turnover ceremony preparation •MOU for turnover •Monitoring of RE technologies	Brgy. Macabud, Rodriguez, Rizal and LGU Office of Rodriguez, Rizal	Dr. Marish S. Madlangbayan, Dr. Rossana Marie C. Amongo; Dr. Arthur L. Fajardo, aP Mark Keylord S. Onal, aP Erwin P. Quillooy, Engr. Richard Dean F. Morales, Dr. Maria Victoria L. Larona; MAF Ranches, HV Canonio, GP Bustilla, CDQ Alfonso, GMKC Ocampo, and Dr. Marloe B. Sundo	BIOMECH, DCE, AMD-IAE	Organizers
53	30-31 July 2019	Philmech Project Evaluation	•Evaluation of completed projects	Philmech, Muñoz, Nueva Ecija	Dr. Victor A. Rodulfo, Jr. and Dr. Jessie C. Elauria	BIOMECH and ABPROD-IAE	Evaluators
54		Agricultural Eng'g Board Review in BPSU		BPSU, Bangkal, Abucay, Bataan	Dr. Fernando O. Paras, Jr.	AMD-IAE	Resource Person
55	31 July 2019	MOA Signing of UPLB CEAT AA and BP Integrated Technologies Inc.	MOA signing for CEAT AA thesis grant with Mr. Arnel Bautista	CEAT DO Conference Room	Dr. Arnold R. Elepaño, Dr. Myra G. Borines, Dr. Jovita L. Movillon, Dr. Rossana Marie C. Amongo, aP John Paolo A. Ramoso, and aP Lizbeth A. Mariano	Dean's Office UPLB CEAT AA Board	Participants
56	31 July to 01 August 2019	Re-training on the Use of Non-Destructive Testing (NDT) Equipment for CE Faculty and Students		DCE, CEAT, UPLB	DCE Faculty & Students	DCE	Participants
57	31 July to 02 August 2019	Agricultural Eng'g Board Review in LSPU		Siniloan, Laguna	Dr. Omar F. Zubia	AMD	Resource Person

58	July 2019	DA BAR Workshop on Rice Mechanization R&D Agenda and Program Setting			Dr. Rossana Marie C. Amongo	AMD-IAE	Participant
59	02 August 2019	Visit of Dr. Manny Reyes and company	•Possible collaboration between UPLB and KSU, USA •Introduction of the Oggun tractor	IAE, CEAT, UPLB	Engr. Alexis C. Del Rosario and Dr. Maria Victoria L. Larona	BIOMECH	Host
60	14-18 August 2019	Public presentation of Ms. Joan Cecilia C. Casila, PhD student at TMU and conduct field visits to research sites as per the invitation of her major professor, Prof. Katsuhide Yokohama		Tokyo Metropolitan University, Tokyo, Japan	Dr. Victor B. Ella	LWRD-IAE	

**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. Vladimir 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 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 - 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	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. Quillooy, 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
21	15 July 2019	BIOMECH	Optimization of Pilot Testing of M3DAS System with SRA as Collaborating Agency	Project approved by the DC of PCAARD-DOST for implementation for 1 year starting Sept. 2019	Optimized and pilot tested M3DAS System; Training Manual; Actual Deployment in SRA	Engr. Alexis C. Del Rosario, Engr. Jose D. De Ramos, and Engr. Marife R. Santiago	DOST-PCAARRD
20	Proposal	BIOMECH	Policy Project on SMART Farming; Policy Project on Machinery Assessment to Include Socio-Economic Factors; Policy Study on Development of Small Scale Coconut Oil Processing as Value Chain Improving Intervention	Submitted capsule proposal		Dr. Victor A. Rodulfo, Jr. and Engr. Alexis C. Del Rosario	DA-PCAF
22	Proposal	BIOMECH	Collaborative Project on the Conduct of RRA for Mechanization for Select Sugar Mill Districts; Deployment of M3DAS for Machine Inventory and Mechanization Analysis	Submitted capsule proposal		Dr. Victor A. Rodulfo, Jr. and Engr. Alexis C. Del Rosario	SRA
23	Proposal	BIOMECH	Establishment of Custom Service Centers for Select Rice Production Areas	Submitted capsule proposal		Engr. Alexis C. Del Rosario	DOST-PCAARRD
24	Proposal	BIOMECH	Technical Support of the HEI Network for the Establishment of Custom Service Centers as Major Intervention of the Rice Competitiveness Enhancement Program	Submitted capsule proposal		Dr. Victor A. Rodulfo, Jr. and Engr. Alexis C. Del Rosario	DA-PhilMech

**COLLEGE: CEAT**  
**Execom Meeting - August**

**C. Technical Assistance**

	Date	Unit	Specific Title	Highlights	Venue	Persons Involved	Role of Unit/Persons Involved
	NONE						

D. Scientific Productivity

No.	Unit	Type of Publication	Title	Author (s)	Publisher	Date Published
1	DChE	Journal Article (Review paper)	Design of biomass value chains that are synergistic with the food–energy–water nexus: Strategies and opportunities	John Frederick D.Tapia, Sheila Samsatli, Stephen S. Doliente, Elias Martinez- Hernandez, Wan Azlina Binti Wan Ab Karim Ghani, Kean Long Lim, Helmi Zulhaidi Mohd Shafri, Nur Shafira Nisa Binti Shaharum	Food and Bioproducts Processing; Elsevier B.V.	July 2019



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

<b>No.</b>	<b>Date</b>	<b>Unit</b>	<b>Name</b>	<b>Position</b>
	10 June 2019	DES	aP Clare L. Garing	Tenure (aP 2)
	24 June to 23 July and 29 July to 02 August 2019	DEE	aP Annie Liza C. Pintor	OASH Coordinator OIC
	22 July 2019	DEE	aP Annie Liza C. Pintor	DEE OIC
		DEE	aP Elvin D. Dulce and Engr. Kim Jay R. Rosano	TWG for the procurement of the PNP National Headquarters' power supply
	25 November 2019	AMD-IAE	Dr. Delfin C. Suministrado	Compulsary retirement

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**F. Local and Foreign Visitors**

No.	Date	Unit	Name	Organization	Place of Origin	Purpose of Visit
	NONE					

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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	DCE	Mariano, SMN, Sundo, MB, Madlangbayan, MS, Alfonso, DC, Vergel, KN, and Abaya, E.	BSCE Student, Faculty	Best Paper Award, 26th Annual Conference of the Transportation Science Society of the Philippines; (Analysis of Energy Economy Rating of E-Trike on Long and Short Routes Along Flat Terrain Condition)	Transportation Science Society of the Philippines	27 July 2019
2	DEE	aP Karen-Christian C. Agno and aP Rodolfo A. Aguirre, Jr.	Assistant Professors	2019-2021 One-UP Faculty Grant Award for Research and Teaching	UP System	

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

No.	Effectivity	Name	Unit	Previous Designation	New Designation
1	NONE				
2					

**AMTEC Announcements**

The Following are the new appointments:  
 -Reassignment of Rowena A. Noche, Administrative Officer V from July 1,2019 to June 30,2020  
 -Renewal of Jeffrey S. Beltran, Assistant Utility Worker from July 16, 2019 to September 15, 2019  
 -Renewal of appointment of six (6) Junior Engineering Associates, four (4) Junior Engineering Assistants, two (2) Junior Engineering Aides, one (1) Senior Library Aide, five (5) Junior Office Aides, one (1) Assistant Utility Worker, and seven (7) Junior Utility Workers from July 1, 2019 to December 31, 2019.

The following are the meetings and other activities of the Center  
 -July 4, 2019: Visitors from Cavite State University (Engr. Romulo E. Eusebio) - Number of visitors: 27; Purpose: Educational Tour/ Benchmarking  
 -July 5, 2019: Visitors from Honda (JM Javier) - Number of visitors: 2; Purpose: Check Test Status  
 -July 10, 2019: Launching of new AMTEC website  
 -July 12, 2019: AMTEC Workshop at Calauan, Laguna  
 -July 15, 2019: Presentation of Instrumentation project at PCAARRD (Asst. Prof. Erwin P. Quilloy and Dr. Arthur L. Fajardo)  
 -July 16, 2019: Presentation of proposal for tractor test set up and grain lab equipment at DA-BAR (Dr. Arthur L. Fajardo)  
 -July 19, 2019: CEAT Teambuilding/Workshop at Shercon Resort, Batangas City  
 -July 19, 2019: Visitor from dynamometer manufacturer (Engr. Romulo E. Eusebio and Dr. Arthur L. Fajardo) - Number of visitor: 3; Purpose: Software Updates and Troubleshooting  
 -July 22-23, 2019: Commissioning of dynamometer at WESVIARC, Iloilo City (Engr. Romulo E. Eusebio)  
 -July 25, 2019: Visitors from Indonesia (Engr. Darwin C. Aranguren) - Number of visitors: 4; Purpose: AMTEC Orientation and Facility Tour  
 -August 1, 2019: Meeting of Dr. Arthur L. Fajardo with Dr. Joel M. Alcaraz, Dean of the College of Engineering, Isabela State University Echague; re: partnership for testing and possible Accreditation as Testing Center

**DChE Announcements**

- (1) aPLeandro T. De Castro – Permanent Appointment as Assistant Professor 1 effective 10 June 2019
- (2) aP Rhebner E. Arocena – Promotion from Instructor 7 to Assistant Professor 1 effective 15 May 2019
- (3) aP Marilyn C. Del Barrio reported back to work effective 01 August 2019 from her study leave with pay to pursue her PhD in Chemical Engineering at UPD
- (4) AP Catalino G. Alfafara will be on Sabbatical Leave effective 01 August 2019 to 31 July 2020
- (5) Mr. Gabriel M. Oro – permanent appointment as Laboratory Technician I effective 01 August 2019

(6) The Department is hosting an ERDT visiting professor, Dr. Emmanuel D. Revellame, from 05 to 18 August 2019. He will deliver the following lectures: (1) Urban and Sub-urban Biorefineries at DLSU on 08 August, and (2) Biorefinery System for Space Exploration at UPLB on 13 August. Dr. Revellame is currently an Assistant Professor of Industrial Technology and Graduate Faculty of Chemical Engineering at the University of Louisiana at Lafayette, USA.

#### **DEE Announcements:**

- (1) Approval of the tenure papers of aP Elvin D. Dulce
- (2) Resignation of KMVA and KEJL as of 31 July 2019
- (3) Resignation of aP Karen-Christian C. Agno as Department Chair as of 20 July 2019
- (4) Basic papers of DEE's newly-hired faculty members, Engr. Rock Christian Tomas and Engr. Viktor Joshua Belizario, are in process.
- (5) Publication of RAA's paper in the Philippine e-Journal for Applied Research and Development (PeJARD) on 19 July 2019.

#### **DIE Announcement**

- (1) CMPesigan, MARamirez, and AMS Mercado, with ARElapano and FOParas, met with officials from Universitas Brawijaya to discuss collaboration opportunities in line with the newly signed MOU/MOA last 25 July 2019
- (2) KL Baldoz, MAM Baldoz, AC Ani and MG Borines met with 2Go HR to discuss possible industry and academe linkage last 16 July 2019
- (3) Engr. Liezel Carоче will report back to work starting 01 August 2019.
- (4) Study leave of Engr. Landicho 01 August 2019

#### **IAE Announcement**

- (1) Mr. Masashi Fujimoto from Tokyo Metropolitan University (TMU) under Exchange Student Program, will be enrolling ABE 71 (Field Hydrology) and ABE 72 (Irrigation and Drainage Engineering) in Land and Water Resources Division (LWRD). He will be staying at UPLB from 06 August to 09 November 2019.
- (2) Dr. Leslaw Mleczko, Key Expert of Bayer AG (Corporate Engineering & Technology) to participate in ABPROD project review (16 July 2019) and as a resource speaker for CEAT Lecture Seminar (17 July 2019).
- (3) Dr. Manny Reyes of KSU and Dr. P.V. Vara Prasad, Director of Feed the Future Innovation Lab for Collaborative Research on Sustainable Intensification, KSU visited IAE for a meeting with AMD and BIOMECH last 02 August 2019.
- (4) University of Brawijaya, Indonesia visitors 25 July 2019 (letter of agreement signed by CEAT)

#### **CSO Announcements**

- (1) 30 July – 03 August 2019 – regular registration
- (2) 05-13 August 2019 – Change of matriculation
- (3) 06 August, 1 PM – 3 PM, in EE Auditorium, CEAT Convocation Program

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

No.	Concerns and Issues	Status	Unit
NONE			