

**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   | 08 June to 20 July 2018 | 2018 Jasso Exchange Student Program  | Six-week research work and cultural immersion in Japan  | Tokyo Metropolitan University (TMU), Tokyo, Japan | Mr. Byron Belvis, Ms. Klynn Morales, Ms. Dalisa Mars Revilla, and Ms. Carla Mae Macario   | DCE                  | Participants  |
| 2   | 02-03 July 2018         | UPLB Faculty Training Workshop on Outcome-based Education (OBE)  | Participated in the OBE workshop for CEAT curriculum programs   | EE Auditorium, CEAT-UPLB                          | All CEAT Faculty  | CEAT                 | Participants  |
| 3   | 02-06 July 2018         | Basic Occupational Safety & Health (BOSH) Training   |   | CEC, UPLB   | Engr. Conrad Ian S. Tan   | AMTEC                | Trainee   |
| 4   | 03 July 2018            | AFMeC meeting  | Prioritization of agricultural mechanization technologies for PAES development  | DA –PCAF, Quezon City                             | Dr. Victor A. Rodulfo, Jr. representing Dr. Rossana Marie C. Amongo   | BIOMECH              | Committee Member  |
| 5   | 04-05 July 2018         | Planning Workshop on INREMP Project Restructuring  |   | Ortigas Ave., Pasig City                          | aP Vicente G. Ballaran, Jr.   | AFSD-IAE             | Participant   |
| 6   | 04-07 July 2018         | NIS and CIS survey for PIDS project  |   | Leyte   | Dr. Arthur L. Fajardo and Dr. Roger A. Luyun, Jr.   | AMD-IAE and LWRD-IAE | Project Staff   |
| 7   | 05 July 2018            | TWG meeting  | Discussion on the draft PNS for cassava grater and pulverizer   | BAFS, Quezon City                                 | Dr. Victor A. Rodulfo, Jr.  | BIOMECH              | TWG Member  |
| 8   |                         | Consultation Meeting with Lutheran World Relief (LWR)  | Presentation of the Developed seaweed dryers  | BIOMECH, UPLB                                     | Dr. Ronel S. Pangan and Engr. Ampy Paulo K. Roxas   | BIOMECH              | Technical Expert  |
| 9   | 08-13 July 2018         | Benchmarking study focusing on the value chains for rice, corn and cassava mechanization   | Focused Group Discussions with the academe, government program implementers, farmers and traders, millers and manufacturers of agricultural machinery | Thailand  | Dr. Rossana Marie C. Amongo, Engr. Alexis C. del Rosario, and Dr. Maria Victoria L. Larona                                      | BIOMECH              | Project Experts   |
| 10  | 09-14 July 2018         | NIS and CIS survey for PIDS project  |   | Iloilo & Capiz                                    | Dr. Arthur L. Fajardo and Dr. Roger A. Luyun, Jr.   | AMD-IAE and LWRD-IAE | Project Staff   |
| 11  | 09-16 July 2018         | Survey of Aquafarms in the Municipality of Passi, Iloilo City  | Conducted Survey of Aquafarms in the Municipality of Passi, Iloilo City   | Iloilo  | Engr. Marife R. Santiago, Engr. Kristina K. Rellave, Engr. Danica C. Calanoga, Ms. Arlene M. Tolentino, and Mr. Evan R. Reblora | BIOMECH              | Project Staff   |
| 12  | 10 July 2018            | DA-BAFS Public Consultative Meeting for the Development of Standards for Peanut Grinder  |   | La Breza Hotel, Quezon City                       | Engr. Darwin C. Aranguren and Dr. Victor A. Rodulfo, Jr.  | AMTEC and BIOMECH    | TWG Members   |
| 13  |                         | Consultation-Workshop to finalize the National Guidelines on the Classification and Accreditation of Agricultural and Fisheries Machinery Suppliers (NAMDAC) |   | DA-PCAF, Quezon City                              | Dr. Aurelio A. Delos Reyes Jr.  | AMTEC                | TWG Member and Member, NAMDAC Advisory Body   |
| 14  | 10-15 July 2018         | Academic Visit to National Tsing Hua University (NTHU) and National Chiao Tung University (NCTU)   | To reinforce research collaboration with NTHU and NCTU  | Hsinchu, Taiwan                                   | Dr. Myra G. Borines and Dr. Ramon Christian P. Eusebio  | DChE                 | Visitors  |
| 15  | 11-13 July 2018         | International Training Course on Marine Fish Hatchery 2018   |   | SEAFDEC Aquaculture Department, Tigbauan, Iloilo  | Dr. Aurelio A. Delos Reyes Jr.  | AMTEC                | Resource Person on Fish Hatchery Design and Recirculating Aquaculture Systems                                     |
| 16  | 12 July 2018            | Public Consultation for the Development of Standards and Testing and Evaluation of Machinery Generated PCAARRD- Funded Project                               |   | DA-FDA, Quezon City                               | Engr. Darwin C. Aranguren, Engr. Romulo E. Eusebio, Engr. Ray D. Alipio, Ms. Micah A. Almalvez, and Mr. Gerald S. Trinidad      | AMTEC                | - Project Leader<br>- Project Staff<br>- Science Research Specialist<br>- Science Aide<br>- Laboratory Technician |
| 17  |                         | TWG meeting  | Discussion on the draft PNS for pellet mill and hot water treatment tank  | Fertilizer and Fertilizer Authority, Quezon City  | Dr. Victor A. Rodulfo, Jr.  | BIOMECH              | Resource Person   |
| 18  |                         | Public consultation on PAES for hot water tank   |   | BAFS-Diliman, Quezon City                         | Dr. Kevin F. Yaptenco   | ABPROD-IAE           | Resource Person   |

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| 19 | 13 July 2018    | 7th ERDT Congress Theme: "The Human Engineer"  | Provided a platform for the better understanding of the dynamics between and among engineering, humanities, and social science - three disciplines with equally important roles in shaping the society   | PICC, Manila   | Dr. Rowena B. Carpio   | DChE                             | Participants   |
| 20 | 15-17 July 2018 | Technology Forum on Seaweed Drying System  | <ul style="list-style-type: none"> <li>Lecture on the status of Seaweed production, the developed drying system and its economic viability</li> <li>Conducted site validation</li> </ul>   | Brgy. Panitian, Brgy. Aramaywan and Brgy. Sugod, Quezon, Palawan | Dr. Ronel S. Pangan  | BIOMECH                          | Technical expert                                     |
| 21 | 16-17 July 2018 | Workshop on Graduate Program Revisions   | <ul style="list-style-type: none"> <li>Presentation of the proposals for institutions of Graduate Courses revision of existing graduate courses</li> <li>Presentation of Administrative Issues on the implementation of IAE Graduate Programs</li> </ul>   | TREES, CFNR, UPLB  | Dr. Rossana Marie C. Amongo and Dr. Kevin F. Yaptenco  | BIOMECH, AMD-IAE, and ABPROD-IAE | Resource Speaker/Facilitator/Participant             |
| 22 | 17 July 2018    | Workshop on CEAT Graduate Program  | Participated in the review of the CEAT Graduate programs   | TREES Hostel Forestry, UPLB                                      | Dr. Manolito E. Bambase Jr., Dr. Ramer P. Bautista, Dr. Myra G. Borines, Dr. Jewel A. Capunitan, Dr. Rowena B. Carpio, Dr. Monet Concepcion M. Detras, Dr. Ramon Christian P. Eusebio, DES Sanchez, and Ms. Rodora S. Calibo | DChE                             | Participants   |
| 23 | 18 July 2018    | Meeting of the Ad Hoc Committee for BIOMECH Infrastructure Plan  | Discussion on infrastructure plans of BIOMECH<br>1. Shop renovation and Annex<br>2. CR renovation<br>3. Building renovations (by phase)<br>• BIOMECH Frontage  | BIOMECH-IAE Conference Room, CEAT, UPLB                          | Members of the Adhoc Committee: Dr. Victor A. Rodulfo, Jr., Dr. Ronel S. Pangan, Dr. Maria Victoria L. Larona, and AM Eusebio  | BIOMECH                          | Attendees  |
| 24 |                 | Meeting of the CEAT Ad Hoc Committee on Alumni Homecoming Souvenir Program   | Discussion on the contents, assignments, and deadline of write-ups and solicitations of the Souvenir Program   | DO-CEAT, Conference Room, EE Bldg, CEAT, UPLB                    | Members of the Adhoc Committee: Dr. Rossana Marie C. Amongo, Dr. Myra G. Borines, and CEAT Unit Representatives  | BIOMECH                          | Chair, Adhoc Committee Co-chair, Ad Hoc Comm. Member |
| 25 |                 | ERDT recognition program   |  | PICC Roxas Blvd., Pasay City                                     | aP Marion Lux Y. Castro  | AFSD-IAE                         | Awardee  |
| 26 | 18-19 July 2018 | 39th Agency In-house Research and Dev't Review and Planning Workshop   |  | PHilMech, Nueva Ecija  | Dr. Aurelio A. Delos Reyes Jr. and Dr. Jessie C. Elauria   | AMTEC                            | External Evaluator and participant                   |
| 27 | 18-20 July 2018 | Region 7 Pilot Area Development  | <ul style="list-style-type: none"> <li>Attended the launching of Union Water Pump Irrigation Project and Dispersal of Agricultural Machines to Farmer Recipients of Camotes Island, Cebu Province</li> <li>Meeting with FSTP Project Leader Dr. Romulo Davide and staff of the Cebu Provincial Agriculture Office</li> </ul> | Delfin Farm, Brgy. Union, San Francisco, Camotes Island          | Engr. Alexis C. del Rosario, Engr. Jose D. de Ramos, and Engr. Marife R. Santiago  | BIOMECH                          |  |
| 28 | 19 July 2018    | Presentation of SARAI - SEAMS project to DOST National Science and Technology Week                                   |  | World Trade Center, Pasay, Metro Manila                          | Prof. Moises A. Dorado and aP Vicente G. Ballaran, Jr.   | AFSD-IAE                         | Participants   |
| 29 | 20 July 2018    | National Planning Workshop for the Formulation of Plans and Programs in Support to the Implementation of the ABE Law | Formulation of Plans and Specific activities   | Tanay, Rizal   | Dr. Ronel S. Pangan  | BIOMECH                          | Technical expert                                     |
| 30 | 20-21 July 2018 | CEAT Workshop and Team Building  | 146 CEAT Faculty and Staff attended the workshop and team building   | Club Balai Isabel, Talisay, Batangas                             | Dr. Myra G. Borines, Engr. Mary Louise P. Pascual, CEAT Socials Committee, CEAT Faculty and Staff  | CEAT                             | Organizers, Coordinators, Participants               |
| 31 | 21 July 2018    | UPLB CIE Free Review 2018  | Started the free review sessions for CIE. This will be held every Saturday until last week of November   | DIE, CEAT, UPLB  |  | DIE                              | Organizer and faculty as reviewers                   |
| 32 | 21-22 July 2018 | Affirmative Action Program   | Ugnayan ng Pahinungod UPCAT Review   | Pampanga   | aP Al Kaxier G. Ancheta  | DES                              | Volunteer  |
| 33 | 22-27 July 2018 | Benchmarking study focusing on the value chains for corn and coffee mechanization                                    | Focused Group Discussions with the academe, government program implementers, farmers and traders   | Bogor and Lampung, Indonesia                                     | Dr. Victor A. Rodulfo, Jr. and Dr. Maria Victoria L. Larona  | BIOMECH                          | Project Experts                                      |

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| 34 | 22 July to 03 August 2018 | Fieldworks, FGDs and KIIs with Irrigator's Assoc.(IAs) in relation to the project Assessing the Resurgent Irrigation Dev't Prog. of the Phils.: Communal Irrigation Systems Component |  | Mindanao provinces                                    | Dr. Roger A. Luyun,Jr.  | LWRD-IAE                | Resource Person   |
| 35 | 23-25 July 2018           | NSTP Workshop   | Updating and planning of UPLB NSTP   | Chateau Royale, Batulao, Nasugbu, Batangas            | aP Al Kaxier G. Ancheta, aP Jimyl A. Cruz, aP Donna Wren B. Libunao, aP Gianina Marie A. Tajanlangit, Engr. Maria Liezl P. Caroché, and Stephanie Caridad DR. Landicho  | DES, DIE                | Participants  |
| 36 | 23-31 July 2018           | Survey of Aquafarms in the province of Negros Occidental  | Conducted Survey of Aquafarms in the Municipality of Himamaylan, Binalbagan and Kabankalan, Negros Occidental  | Negros Occidental                                     | Engr. Alexid C. del Rosario, Engr. Jose D. de Ramos, Engr. Marife R. Santiago, Engr. Kristina K. Rellve, Engr. Danica C. Calanoga, Ms. Arlene M. Tolentino, and Mr. Evan R. Reblora   | BIOMECH                 | Project Staff   |
| 37 | 24-25 July 2018           | Faculty Bootcamp on Teaching Technology Entrepreneurship  | Participated in a teaching bootcamp for technopreneurship in preparation for offering of BS and MS courses   | TREES Hostel Forestry, UPLB                           | Dr. Ramer P. Bautista, Dr. Myra G. Borines, Dr. Rowena B. Carpio, and Dr. Monet Concepcion M. Detras, Dr. Rossana Marie C. Amongo, Engr. Marck Ferdie V. Eusebio, Engr. Mark Twain A. Limbo, RDFM, Engr. Victor Mikael N. De Padua, and Dr. Richelle G. Zafra, BJCAlfaro, aP Paul Michael O. Tarnate, and Dr. Kevin F. Yaptenco   | DChE, BIOMECH, DCE, DES | Participants/Facilitator  |
| 38 | 25 July 2018              | DOST-PCAARRD Intellectual Property Master Class, Technology Commercialization Mentorship Series   |  | DOST-PCAARRD Innovation and Technology Center (DPITC) | Dr. Aurelio A. Delos Reyes Jr.  | AMTEC                   | Resource Person on Agri-Fisheries Machinery Standards and AMTEC Testing |
| 39 | 25-27 July 2018           | Construction of Floating Seaweed Dryer  | <ul style="list-style-type: none"> <li>Supervised the construction of the seaweed dryer</li> <li>Met with DOST Romblon staff regarding future activities</li> </ul>  | Looc, Romblon   | Dr. Ronel S. Pangan   | BIOMECH                 | Technical expert  |
| 40 | 26 July 2018              | Training-Writeshop on the Development of Integrated OBE- and K-12 Compliant Curriculum for HEIs   | Training-Writeshop on CHED CMO Compliance  | DCE, CEAT, UPLB                                       | Engr. Ariel Miguel M. Aragoncillo, Engr. Timothy M. Bertiz, Engr. Nimfa Maren S. Tabucal, and Dr. Richelle G. Zafra, Engr. John Paul P. Manzano, Engr. Athena P. Lavega, Engr. Melvin C. Ilang-Ilang, aP John Paolo A. Ramoso, Engr. Gabriela Monica M. Gonzales, Engr. Raymond S. Mabilangan, aP Karen-Christian C. Agno, aP Clarissa M. Pesigan, aP Angelo C. Ani, & Engr. Micah A. Ramirez | DCE, DEE, and DIE       | Participants  |
| 41 | 27 July 2018              | Seminar on "Electrochemistry Techniques and Applications" by Dr. Elmer-Rico E. Mojica (Visiting Professor from PACE University, New York City, USA)                                   | Facilitated and attended the lecture of Dr. Elmer-Rico E. Mojica on Electrochemical methods and applications   | DChE Seminar Room, CEAT                               | DChE Faculty and students   | DChE                    | Organizer/Participant   |
| 42 |                           | Creation of BIOMECH UP Mail   | <ul style="list-style-type: none"> <li>biomech.uplb@up.edu.ph was created with the help of UP ITDC</li> </ul>  | BIOMECH, CEAT, UPLB                                   | Dr. Rossana Marie C. Amongo and Engr. Marck Ferdie V. Eusebio   | BIOMECH                 | Account user  |
| 43 | 28 July 2018              | PICHe Laguna Chapter Midyear Symposium  | Facilitated and presented as speaker for the symposium theme, "Technology Nexus for Sustainable Development". KM Gatdula, as a speaker, presented on "Comparison of Water Use in Bioethanol Production from Sugarcane and Sweet Sorghum" | Paseo Premiere Hotel, Sta. Rosa City, Laguna          | aP Michael Vincent O. Laurio, Engr. Kristel M. Gatdula, and Engr. Amabelle A. Pector  | DChE                    | Organizer/Speaker   |
| 44 | 28-30 July 2018           | DIE Team Building   |  | La Union  | DIE Faculty and Staff   | DIE                     | Organizer/Participant   |

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| 45 |              | Seminar on "Antibiotics in the Environment: Potential Ecological and Human Health Issues" by Dr. Elmer-Rico E. Mojica (Visiting Professor from PACE University, New York City, USA)  | Facilitated and attended the lecture of Dr. Elmer-Rico E. Mojica on the ecological and human health effects of antibiotics disposed in the environment | DChE Seminar Room, CEAT, UPLB | DChE Faculty and students      | DChE    | Organizer                  |
| 46 | 30 July 2018 | Joint Meeting of the Testing and Evaluation Accreditation Advisory Committee (TEAAC) and TWG for the Formulation of National Guidelines on the Issuance of Compliance Certificate for Agricultural and Fisheries Machinery |  | DA-BAFS, Quezon City          | Dr. Aurelio A. Delos Reyes Jr. | AMTEC   | TEAAC Chair and TWG Member |
| 47 |              | National Consultation for the National Guidelines on the Issuance of Compliance Certificate for Agricultural and Fisheries Machinery   |  | Icon Hotel Timog, Quezon City | Dr. Aurelio A. Delos Reyes Jr. | AMTEC   | TWG Member                 |
| 48 | 31 July 2018 | National Workshop on the Formulation of National ABE Career Progression and Specialization Program (NABECPS) and Career Guidance and Advocacy Program on ABE   | Discussion on the guidelines for the NABECPS and   | PICC Pasay City               | Dr. Rossana Marie C. Amongo    | BIOMECH | TCABE, CHED Representative |
| 49 |              | Roadmap and Pathways: UPLB Gender Center in the Next Years Towards a Gender Responsive University  |  | Obdula F. Sison Hall, UPLB    | aP Anie Liza C. Pintor         | DEE     | 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  | On Going   | 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 to 30 April 2021       | IPB, AMD-IAE, and ABPROD-IAE | Project 5. Assessment of Sugarcane Varieties and Germplasm Collection for Drought and Waterlogging Tolerance   | On-hold  | Research  | Dr. Kevin F. Yaptenco and aP Erwin P. Quilloy  | Sugar Regulatory Administration   |
| 3   | 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  | On Going   | Research  | Dr. Mona Lisa De Los Reyes, aP Maurice A. Duka, and Engr. Jeffrey A. Gonzales  | OVPAA-ECWRG   |
| 4   | 16 January 2018 to 16 January 2019 | AFSD-IAE                     | Smart Plant Production In Controlled Environments  | On Going   | Research  | Dr. Ronaldo B. Saludes and Engr. Jose Marie Cuasay   | DOST-PCIEERD  |
| 5   | 02 April 2018 to 15 December 2018  | LWRD-IAE                     | Assessing the Resurgent Irrigation Development Program of the Philippines – Communal Irrigation Systems Component  | On Going   | Research  | Dr. Roger A. Luyun, Jr. and MM Garcia  | PIDS  |
| 6   | 01 May 2018 to 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                       | On Going   | Research  | Prof. Moises A. Dorado, aP Vicente G. Ballaran, REVLuna, Engr. Leo Niel T. Viado, JMSuarez, and KSGBrusola   | DOST-PCAARRD  |
| 7   | 01 May 2018 to 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  | On Going   | Research  | Dr. Roger A. Luyun, Jr., Dr. Ronaldo B. Saludes, Engr. Yaminah M. Pinca, and TAMCSalcedo   | DOST-PCAARRD  |
| 8   | 11 July 2018 to 10 January 2019    | DChE                         | Socio-Economic and Environmental Impacts of Bioethanol Production  | New  | 1. Supply chain analysis<br>2. GHG Life cycle analysis<br>3. Social impact assessment   | Leader: Dr. Rex B. Demafelis   | Ethanol Producers Association of the Philippines thru the Sugar Regulatory Administration |
| 9   | 16 July 2018 to 15 July 2019       | DChE                         | Establishing a 25-kW Waste-to-Energy Facility Using a Direct Combustion Process for Municipal Solid Waste: A Technical, Economic and Environmental Studies   | New  | 1. 25-kW waste-to-energy facility<br>2. Flue gas characteristics<br>3. Direct combustion system manual of operation<br>4. Technical and economic feasibility studies<br>5. Environmental assessment<br>6. Recommendation and action plans on MSW management through direct combustion process<br>7. 2 publications on refereed journals | Leader: Dr. Manolito E. Bambase Jr.<br><br>Staff:<br>Dr. Monet Concepcion M. Detras<br>Dr. Veronica P. Migo<br>Dr. Ramer P. Bautista<br>Dr. Rex B. Demafelis<br>Ms. Lisa Stephanie H. Dizon<br>Engr. Amabelle A. Pector  | DOST-PCIEERD  |
| 10  | 16 July 2018 to 15 July 2019       | DChE                         | 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                                  | New  | 1. CO2 emission and energetics<br>2. Carbon debt and payback analyses<br>3. Carbon emission reduction of different biofuels blending<br>4. Energy efficiency of biodiesel production<br>5. LCA tool using Philippine setting<br>6. Standards for future construction of biodiesel processing plant                                      | Leader: Dr. Rex B. Demafelis   | Department of Energy  |
| 11  | On Going                           | 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 | Completed survey of aquafarms in Iloilo and Negros Occidental<br><br>Processing and Analysis of data collected | 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. Rellve, Engr. Danica C. Calanoga, Ms. Arlene M. Tolentino, Mr. Evan R. Reblora, and Ms. Alethea Colleen B. Escandor   | PCAARRD-DOST  |

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| 12 | On Going | BIOMECH         | Evaluative Project on the Assessment of DA's Mechanization Program for Various Commodities  | Benchmarking Activities in Thailand and Indonesia for the four priority crops  | 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                  |
| 13 | On Going | BIOMECH and IAE | Small Scale Irrigation Program for the Region IV A CALABARZON Region  | -Data gathering for the different SSIPs in Laguna & Quezon<br>Collected 170/270 survey Questionnaires on SSIPs in Laguna<br>-Mapping of the Potential Areas for SFRs and PISOs for Laguna Province | Potential SSIP in the Provinces of Mindoro  | 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                   |
| 14 | 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 preparation  | -Policy recommendation for the Fisheries Mechanization<br>-E14 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, and Engr. Adrian A. Borja  | PCAF-DA                  |
| 15 | On Going | BIOMECH         | The UPLB Un-energized Community-Based Sustainable Energy Research Program   | Fabrication of the e-tractor component<br>Testing of the e-trike component<br>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                     |
| 16 | 2 years  | BIOMECH         | Optimization and Pilot Testing of the Developed Drying System for Seaweeds  | NTP: June 16, 2018   | Commercial prototype of seaweed drying system   | Dr. Ronel S. Pangan- Project Leader, Engr. Ampy Paulo K. Roxas, and Mr. Eric Repoldo   | DOST-PCAARRD<br>PhP 4.7M |
| 17 | 1 year   | BIOMECH and IAE | Small Scale Irrigation Program for the Provinces of Mindoro   | NTP: July 1, 2018  | Potential SSIP in the Provinces of Mindoro  | Dr. Rossana Marie C. Amongo, Dr. Ronaldo B. Saludes, and Dr. Roger A. Luyun, Jr.   | DA-BAR<br>PhP 2.8M       |
| 18 | 2 years  | BIOMECH         | Improvement and Promotion of a Technology Package for the Production of Powder from Turmeric for Commercial Application   | NTP: July 1, 2018  | Technology Package for Turmeric Powder Production   | Dr. Jose D. de Ramos and Engr. Marife R. Santiago  | DA-BAR<br>PhP 5M         |
| 19 | 6 months | BIOMECH         | Policy Study on the Implementability of Contiguous Farming in Rice and Corn Areas in the Philippines  | NTP is July 5, 2018  | 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<br>PhP 2.5M      |
| 20 |          | IAE and DCE     | The UPLB Off-Grid Community Based Sustainable Energy Research   | On Going   | 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                     |

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

**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          | 05 July 2018            | BIOMECH     | Technical Assistance for Las Piñas City National Science High School Students | Tour to BIOMECH display area and introduced PAMJ and PJABE                               | BIOMECH display area; CEAT publication rack, CEAT, UPLB | MFV Eusebio                                  | Technology Exhibiter and Demonstrator  |
| 2          | 05 July 2018 to Present | BIOMECH     | Technical Assistance for Las Piñas City National Science High School Students | Discussion on the assistance for the conduct of project on Science and Technology        | BIOMECH, CEAT, UPLB                                     | RMC Amongo                                   | Provision of Technical advice on the conduct of research on filter media           |
| 3          | 13 July 2018            | BIOMECH     | Technical Assistance for Technological University of the Philippines – Manila | Tour to BIOMECH display area and introduced PAMJ and PJABE                               | BIOMECH display area; CEAT publication rack, CEAT, UPLB | MFV Eusebio                                  | Technology Exhibiter and Demonstrator  |
| 4          | 17 July 2018            | BIOMECH     | Philippine Military Academy Faculty Visit for their benchmarking activity     | Introduced BIOMECH through MS PowerPoint presentation and a tour to BIOMECH display area | IAE Conference Room and BIOMECH display area            | VA Rodolfo Jr.<br>MR Santiago<br>MFV Eusebio | Entertained visitors in coordination with Office of Public Relations, UP Los Baños |

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**D. Scientific Productivity**

| No. | Unit     | Type of Publication   | Title   | Author (s)  | Publisher  | Date Published |
|-----|----------|-----------------------|---|---|--|----------------|
| 1   | AFSD-IAE | Online Publication    | Exploring spatial patterns of trends in monthly rainfall and temperature in the Philippines based on Climate Research Unit grid         | Dr. Ronaldo B. Saludes  | Korean Spatial Information Society 2018<br><a href="https://doi.org/10.1007/s41324-018-0189-8">https://doi.org/10.1007/s41324-018-0189-8</a> | 25 April 2018  |
| 2   | AFSD-IAE | Online Publication    | Evaluation and Spatial Downscaling of CRU TS precipitation data in the Philippines, Modeling Earth Systems and Environment              | Dr. Ronaldo B. Saludes  | Springer International Publishing - international refereed   | 25 May 2018    |
| 3   | DIE      | Conference proceeding | Impact of Office Design on Satisfaction of Government Employees in Laguna Provincial Capitol, Philippines                               | aP Angelo C. Ani, Engr. Maria Liezl P. Caroché, Engr. Micah A. Ramirez, and ME Villanueva | Springer International Publishing AG, part of springer Nature 2019   | July 2018      |
| 4   | DIE      | Conference proceeding | Assessment and Reduction of Whole-Body Vibration Experienced by Jeepney Drivers of "Sarao" Jeepneys using Practical Vibration Dampeners | Engr. Maria Liezl P. Caroché, C Adug, CE Buna, CJ Mendoza, and JJ Pena                    | Springer International Publishing AG, part of springer Nature 2019   | July 2018      |
| 5   | DIE      | Conference proceeding | Ergonomic Risk Assessment for the Prolonged Usage of Smartphones on Students  | JL Canaria, JB Croox, AH Dayao, JR Macatangay, R Vinluan, and LA Mariano                  | Springer International Publishing AG, part of springer Nature 2019   | July 2018      |



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

| <b>No.</b> | <b>Date</b>                 | <b>Unit</b> | <b>Name</b>                       | <b>Position</b>   |
|------------|-----------------------------|-------------|-----------------------------------|---|
| 1          | 16 June 2018                | BIOMECH     | Dr. Ronel S. Pangan               | Project Leader - Optimization and Pilot Testing of the Developed Drying System for Seaweeds project   |
| 2          | 16 June 2018                | BIOMECH     | Engr. Ampy Paulo K. Roxas         | University Research Associate I - Optimization and Pilot Testing of the Developed Drying System for Seaweeds project                            |
| 3          | 16 June 2018                | BIOMECH     | Mr. Emmanuel C. Casas             | Laboratory Technician - Optimization and Pilot Testing of the Developed Drying System for Seaweeds project                                      |
| 4          | 05 July 2018                | BIOMECH     | Dr. Rossana Marie C. Amongo       | Project Leader - Policy Study on the Implementability of Contiguous Farming in Rice and Corn Areas in the Philippines project                   |
| 5          | 05 July 2018                | BIOMECH     | Dr. Maria Victoria L. Larona      | Study Leader - Policy Study on the Implementability of Contiguous Farming in Rice and Corn Areas in the Philippines project                     |
| 6          | 05 July 2018                | BIOMECH     | aP Mark Keylord S. Onal           | Study Leader - Policy Study on the Implementability of Contiguous Farming in Rice and Corn Areas in the Philippines project                     |
| 7          | 05 July 2018                | BIOMECH     | Engr. Mark Twain A. Limbo         | University Research Associate II - Policy Study on the Implementability of Contiguous Farming in Rice and Corn Areas in the Philippines project |
| 8          | 05 July 2018                | BIOMECH     | Ms. Gherlee Nelle L. Lalap        | University Research Associate II - Policy Study on the Implementability of Contiguous Farming in Rice and Corn Areas in the Philippines project |
| 9          | 16 July to 21 December 2018 | AMTEC       | Engr. Mary Christine M. Agoncillo | Engineer (COS)  |
| 10         | 09 July to 21 December 2018 | AMTEC       | Mr. Robert I. Imperial            | Skilled Worker (COS)  |

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**F. Local and Foreign Visitors**

| No. | Date         | Unit    | Name   | Organization   | Place of Origin      | Purpose of Visit                                       |
|-----|--------------|---------|--|--|----------------------|--|
| 1   |              | DChE    | Dr. Elmer-Rico E. Mojica   | Department of Chemistry and Physical Sciences, Dyson College of Arts and Sciences, PACE University, New York City, USA | New York City, USA   | UPLB Visiting Professor                                |
| 2   | 05 July 2018 | CEAT-AA | UP Alumni Engineers Officials  | UP Diliman   | Diliman, Quezon City | Discussed the membership of CEAT-AA to UP AE           |
| 3   | 17 July 2018 | CEAT    | Capt. Elbert Jason D. Fernandez, Capt. Jenny Rose M. Calit, Capt. Russel L. Arnaldo, Capt. Christopher Rey Laude, Col. Achilles Villacrusis, Col. Claro Unson Jr., Capt. Clifford Delos Santos, and Capt. Paulo Clemente | Philippine Military Academy  | Baguio City          | Conducted benchmarking activities to AMTEC and BIOMECH |

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**G. Visiting Exchange Students**

| No. | Date | Name | School | Place of Origin | Field of Interest |
|-----|------|------|--------|-----------------|-------------------|
| 1   | 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)**

| <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        | Engr. Amabelle A. Pector, Dr. Jovita L. Movillon, and aP Butch G. Bataller | University Researcher 1<br>Professor Emeritus<br>Assistant Professor 2 | UP International Publication Award (Parametric Study on the Effect of Congeners on Molecular Sieve Dusting during Ethanol Dehydration) | UP-OVPAA                      | July 2018            |
| 2          | DES         | Dr. Jey-R S. Ventura   | Assistant Professor  | Outstanding Young Scientist  | NAST                          | 12 July 2018         |
| 3          | DCE         | Engr. Victor Mikael N. De Padua  | Assistant Professor  | Selected as Leading Teacher in the ten-day 2018 Sakura Exchange Program  | Tokyo Metropolitan University | 23-31 October 2018   |

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

| No. | Effectivity                    | Name                                 | Unit                  | Previous Designation | New Designation                      |
|-----|--------------------------------|--------------------------------------|-----------------------|----------------------|--------------------------------------|
| 1   | 01 August 2018 to 31 July 2019 | Engr. Gabriela Monica M. Gonzales    | DEE                   | Instructor 2         | Instructor 6                         |
| 2   | 01 August 2018 to 31 July 2019 | Engr. Aryan Paula A. Manalo          | DEE                   | Instructor 5         | Instructor 7                         |
| 3   | 01 August 2018                 | Engr. Maria Liezel P. Carоче         | DIE                   | Instructor 2         | Instructor 7                         |
| 4   | 01 August 2018                 | Engr. Stephanie Caridad DR. Landicho | DIE                   | Instructor 4         | Instructor 7                         |
| 5   | 11 September 2017              | Mr. Jose Mendoza                     | DEE - Instrumentation | Contract of Service  | Laboratory Technician II (Temporary) |
| 6   | 03 January 2018                | Mr. Magno De Ocampo                  | DEE - Instrumentation | Contract of Service  | Admin Aide I (Casual)                |

**DChE Announcements:**

- |  |
|--|
| (1) Completion of 2017-2018 UPLB Centennial Faculty Grants by Dr. Jewel A. Capunitan and aP Michael Vincent O. Laurio, and 2017-2018 UPLB Centennial Professorial Chair Lecture Grant by Dr. Monet Concepcion M. Detras. |
| (2) aP Jerico Z. Alcantara reported back to work effective 01 Aug 2019 upon completion of all academic requirements for his PhD in Engineering at Western Michigan University (USA) under the ERDT scholarship           |

**DCE Announcements:**

- |   |
|---|
| (1) Dr. Atsushi Ueno, Associate Professor of the Graduate School and Faculty of Urban Environmental Sciences, Tokyo Metropolitan University, Japan will be visiting DCE, CEAT, UPLB for two weeks from 02-16 September 2018 |
| (2) Vibration testing equipment has been delivered to DCE on 23 July 2018   |

## DEE Announcements

Timing up of vacated items.

### 1. Administrative Assistant II:

- Ms. Josielyn Gibas was recommended by the Department, among other competent applicants. Her papers were already endorsed favorably by the CEAT-AdPC to AdPB.

### 2. Faculty positions (replacement for Asst. Prof. Sumalde and Engr. Quicoy due to non-renewal):

- Engr. Genev Rodriguez (Rank 1) and Engr. Lucky Angelico Nagpala (Rank 2) were the two applicants who are being recommended for the vacant faculty positions among the pool of applicants. There were five applications received by the the Department from HRDO and were screened and selected thoroughly through the following criteria: grades (40%), teaching demo (30%), interview (20%), related experience, trainings and workshops (10%), and additional points (e.g. MS graduate or with units, scholarly outputs, license, etc). They are now completing the additional requirements for their original appointments.

## AMTEC Announcements

A total of 26 agricultural machinery (shredder, rice milling and polishing machine, surface pumpset, rice mills, corn mills, submersible pumpset, combine harvesters, hand stripping device, recirculating grain dryer, biomass furnace, farm tillers, moldboard plow, furrower, abaca stripper, centrifugal pump, and floating tiller) were tested last July 2018.

## DIE Announcements:

(1) Completion of DIE Faculty Room Extension last 10 July 2018

(2) Start of Construction of DIE Emergency Staging Area last 09 July 2018

## DIE Announcements:

(1) Naoya Iwamoto from Tokyo Metropolitan University (TMU) will be enrolling ABE 73 (Soil and Water Conservation Engineering) under Land and Water Resources Division, IAE. He will be staying at UPLB from July 24 to September 25 2018.

(2) Visitors from China headed by Mr. Marko Yang, CEO of Maifeng Power. They are pledging additional donation of engines to the Supertrade Power Lab. July 17, 2018

### (3) Infra Matters

LWRD/AFSD Building - 100% complete. According to Vice Chancellor Marish Madlangbayan, budget for aircon and furnitures will be out soon. New Transformer for the IAE buildings have been delivered and will be installed by UPMO.

IAE Training Rooms/Director's Office - 94% Complete as of July 27. Thaumaturgy is currently penalized approx 200 pesos per day based on their remaining scope of works.

ABPROD Building - No update. Request for additional funding submitted to UPLB Chancellor; request included in the GAA budget for approval.

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

| No. | Concerns and Issues | Status | Unit |
|-----|---------------------|--------|------|
|     | NONE                |        |      |