



POLYTECHNIC UNIVERSITY OF THE PHILIPPINES
COLLEGE OF ENGINEERING
COMPUTER ENGINEERING DEPARTMENT

I.7

I.7. conduct research and publish outputs in refereed journals of national and international circulation.

Documents attached:

- LIST OF FACULTY WHO HAVE CONDUCTED AND/OR ARE CONDUCTING RESEARCH/ES RELEVANT TO THE PROGRAM



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List of Faculty who have conducted and/or are conducting research/es relevant to the Program

Name of Faculty	Title of Research	Duration of Implementation	Funding Source	Status (On-Going/Completed)
Cansino, Julius . De La Cruz, Arvin R. Tenerife Jr., Pedrito M.	Impact Assessment of the Computer Engineering Learning Management System Evaluation	2019 - 2020	Personal	On-Going
Ado, Remedios G. Cansino, Julius .S. Mahaguay, Rolito L. Tenerife, Pedrito Jr. M.	Industry Perception on the Computer Engineering Graduates of the Polytechnic University of the Philippines	2019 - 2020	Personal	On-Going
De La Cruz, Arvin R. Tenerife Jr., Pedrito M.	Design and Development of Banana Fiber Decorticator with Wringer	2018 – 2019	Personal	Completed
De La Cruz, Arvin R.	Optical Character Reader of a Braille Unicode System for the Blind	2018 – 2019	Personal	Completed
De La Cruz, Arvin R.	E-Teaching Assistance Management System (ETAMS) with Educator Stress Determination for K*12, Tertiary, Graduate School and Distance Education	2018 – 2019	Personal	Completed
De La Cruz, Arvin R.	Optical Character Reader for the Blind	2018 – 2019	Personal	Completed
De La Cruz, Arvin R. Tenerife Jr., Pedrito M.	Image-Based Microalgae Cell Identifier and Counter	2018 – 2019	Personal	Completed
Ado, Remedios G. Mahaguay, Rolito L.	Development of e-Bag Wireless Charger for Gadgets	2017 – 2018	Personal	Completed
De La Cruz, Arvin R. Tenerife Jr., Pedrito M.	Design and Development of a Hybrid Photobioreactor for Biomass Production of Spirulina Platensis Species	2017 – 2018	Personal	Completed
Tenerife Jr., Pedrito M. Tubola, Orland D.	The Development of a Hybrid Renewable Energy: Powered Light Bouy System Harnessing Sea Energy Potentials	2017 – 2018	Personal	Completed
Cansino, Julius S. Tenerife Jr., Pedrito M. Fernando, Ronald D. Mahaguay, Rolito L.	College of Engineering Online Class Record	2017 – 2018	Personal	Completed



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Natividad, Ferdinand O. Oquindo, Florinda H.				
Dela Cruz, John R.	Design of a Fuzzy-based Automated Organic Irrigation system for Smart Farm	2016 – 2017	Personal	Completed
Dela Cruz, John R.	Fuzzy-based Decision Support for Smart Farm Water Tank Monitoring	2016 – 2017	Personal	Completed
Tubola, Orland D.	Lung Disease Identification and Classification through Neural Networks	2015 – 2016	Grant in Aid (PUP)	Completed
Remedios G. Ado	Evaluation of SMART Wireless Engineering Education Program (SWEEP): Basis for a Proposed Integrated Model of Collaboration Between Industry and Academe	2014 – 2015	Personal	Completed
Ferdinand O. Natividad	Computer Engineering Laboratory Equipment Reservation and Monitoring System with Mobile Application	2014 – 2015	Personal	Completed
Remedios G. Ado	Engineering Academe Industry Partnership Towards Learning Exploration	2014 – 2015	Personal	Completed
Remedios G. Ado	Mobile Emergency Response Application Using Geolocation for Command Center	2013 - 2014	Personal	Completed
Natividad, Ferdinand O.	Enhanced Voiced Based Cane For The Blind With Anti-Lost Feature For The Resources Of The Blind Inc.	2012-2013	Personal	Completed
Oquimdo, Florinda H.	Groundwater Treatment using Bio-sand Filter in Sitio Centro Brgy. Cogunan Nasugbu, Batangas	2012-2013	Personal	Completed

Prepared by

Pedrito M. Tenerife Jr.



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Faculty Research Publication

Name of the Faculty/Personnel	Title of Research/Article	Name of Book/Journal	Date Started	Date Completed	Editors/ Referees (Name and Profession)	Vol./Issue/ Place/Date of Publication/C opyright No.	Level of Publication		
							International	National	Local
De La Cruz, Arvin R. Tenerife, Pedrito Jr. M.	Design and Development of Banana Fiber Decorticator with Wringer	International Journal of Recent Technology and Engineering	2018	2019		Vol.-8, Issue-1S4	√		
De La Cruz, Arvin R.	Optical Character Reader of a Braille Unicode System for the Blind	International Journal of Recent Technology and Engineering	2018	2019		Vol.-8, Issue-1S4	√		
De La Cruz, Arvin R. Tenerife, Pedrito Jr. M.	Image-Based Microalgae Cell Identifier and Counter	International Conference on Innovative Research in Science, Technology and Management Conference Proceedings	2017	2018		Vol.-6, ISSN 2244-5668		√	
Ado, Remedios G. Mahaguay, Rolito L.	Development of e-Bag Wireless Charger for Gadgets	International Conference on Innovative Research in Science, Technology and Management Conference Proceedings	2017	2018	Dr. Teena Bagga	ISBN 978-81-934246-4-3	√		
De La Cruz, Arvin R. Tenerife, Pedrito Jr. M.	Design and Development of a Hybrid Photobioreactor for Biomass Production of Spirulina Platensis Species	International Conference on Innovative Research in Science, Technology and Management	2017	2018	Dr. Teena Bagga	ISBN 978-81-934246-4-3	√		
Tenerife, Pedrito Jr. M. Tubola, Orland D.	The Development of a Hybrid Renewable Energy-Powered Light Bouy System Harnessing Sea Energy Potentials	Ascendens Asia Journal of Multidisciplinary Research Conference Proceedings	2014	2015	Dr. Carmencita L. Castolo	Vol. 2, No. 3 ISSN 2529-7902	√		



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Ado, Remedios G.	"Mobile Emergency Response Application Using Geolocation for Makati Command Center"	International Journal of Computer and Communication Engineering	2013	2014		Vol. 3, No. 4, July 2014 ISSN 2010-3743	√		
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