



POLYTECHNIC UNIVERSITY OF THE PHILIPPINES
COLLEGE OF ENGINEERING
COMPUTER ENGINEERING DEPARTMENT

I.4 Show commitment and loyalty to the institution as evidenced by

I.4.1. observance of official time;

Documents attached:

- FACULTY ASSIGNMENT
- OVPAA FORM NO.3
- REPORT ON OFFICIAL TIME



POLYTECHNIC UNIVERSITY OF THE PHILIPPINES
COLLEGE OF ENGINEERING
COMPUTER ENGINEERING DEPARTMENT

LAYMAN FORM NO. 1
April, 1989

Polytechnic University of the Philippines
Sta. Mesa, Manila

FACULTY ASSIGNMENT
Second Semester, SY 2018-19

EMP NO	FA0180MN2008	COLLEGE	ENGINEERING
EMP NAME	ADO, REMEDIOS G	DEPT CODE	
EMP STATUS	Permanent	DEPARTMENT	COMPUTER ENGINEERING

DIRECTOR/DEAN

REGULAR LOAD

SUBJECT CODE	SUBJECT DESCRIPTION	CREDITS	YEAR & SECTION	CLASS. REF.	TIME	TIME CODE	DAY/S	ROOM	EFFTY/ITY
COEN 3291	Computer Seminar and Field Trips	1.5	BSCOE 5-3	C	10:30AM-12PM	3	M	FIELD	11/12/2018
COEN 3473	Computer Technopreneurship	1.5	BSCOE 5-4	C	9AM-10:30AM	2	W	CEA312	11/12/2018

Total REGULAR LOAD 3

PART-TIME

SUBJECT CODE	SUBJECT DESCRIPTION	CREDITS	YEAR & SECTION	CLASS. REF.	TIME	TIME CODE	DAY/S	ROOM	EFFTY/ITY
COEN 3291	Computer Seminar and Field Trips	1.5	BSCOE 5-3	C	12PM-1:30PM	4	M	FIELD	11/12/2018
COEN 3473	Computer Technopreneurship	1.5	BSCOE 5-4	C	7:30AM-9AM	1	W	CEA312	11/12/2018
EN 3253	Design Project 1	3	BSCOE 4-2	C	7:30AM-9AM	1	TF	FIELD	11/12/2018

Total PART-TIME 6

TEACHING LOAD PER DAY (HOURS)

	MON	TUE	WED	THUR	FRI	SAT	SUN
REGULAR	1.50		1.50				
PART-TIME	1.50	1.50	1.50		1.50		
TOTAL	3	1.5	3		1.5		

OFFICIAL TIME / ADVISING TIME

	MON	TUE	WED	THUR	FRI	SAT	SUN
OFFICIAL TIME							



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OVPAA FORM NO. 3
 April, 1989

POLYTECHNIC UNIVERSITY OF THE PHILIPPINES
 Sta. Mesa, Manila

CHANGES IN TEACHING ASSIGNMENT
Second Semester, School Year 2018-19

EMP NO. : FA0180MN2008	COLLEGE : COLLEGE OF ENGINEERING
EMP NAME : ADO, REMEDIOS G	DEPT CODE :
EMP STATUS : Permanent	Department :

FROM				TO						
SUBJECT CODE	SECTION	REM*	AC*	SUBJECT CODE	SECTION	TIME	DAY	ROOM	EFFTVTY	NEW AC*
		A	P	RH 632	MSCM-LOC 1-2A	05:30PM-06:30PM	SUN	OUMN4	11.16.2018 up to 03.31.2019	
		A	TS	MSE 603	RSH632	12:00PM-03:00PM	S	GSTBA	11.17.2018 up to 03.30.2019	
		A	P	MIT 621	MIT 1-2	07:30AM-10:30AM	S	GS401	11.17.2018 up to 03.31.2019	

Reason(s) for change(s)

NOTE: * REM: C (Cancelled) A (Added) CH (Changed)
 ** AC or Assignment Code: R (Regular) P (Part-time) TS (T. Substi.) T (Tutorial)

SUMMARY
 ORIGINAL LOAD NEW LOAD

Regular Load	3	hrs.		Regular Load	3	hrs.
Part-time Load	6	hrs.		Part-time Load	6	hrs.
Tempt. Substi. Load	-	hrs.		Tempt. Substi. Load	3	hrs.
PUP-GS/OU	-	hrs.	+9	PUP-GS/OU	6	hrs.
Tutorial	-	hrs.		Tutorial	-	hrs.
TOTAL	9	hrs.		TOTAL	18	hrs.

Recommending Approval :

REMEDIOS G ADO
 Dean/Chairperson

Approval :

DR. EMANUEL C. DE GUZMAN
 President



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Polytechnic University of the Philippines
 Sta. Mesa, Manila

REPORT ON OFFICIAL TIME
 Second Semester SY 2018-19

NAME : ADO, REMEDIOS G
 DEPARTMENT : COLLEGE OF ENGINEERING
 POSITION : DIRECTOR/DEAN
 PROGRAM : NON-TRADITIONAL STUDY PROGRAM/EXPANDED TERTIARY EDUCATION EQUIVALENCY ACCREDITATION PROGRAM/CE

REGULAR TIME			PART-TIME		TEMPORARY SUBSTITUTION		NIGHT SERVICE	
Administrative Time	Teaching Time	No. of Hrs.	Time	No. of Hrs.	Time	No. of Hrs.	Time	No. of Hrs.
07:30AM-10:30AM;02:00PM-05:30PM	10:30AM-12:00PM	8	12:00PM-01:30PM	1.5			05:30PM-08:30PM	3
09:00AM-12:00PM;01:00PM-05:30PM		7.5	07:30AM-09:00AM	1.5			05:30PM-08:30PM	3
10:30AM-12:00PM;01:00PM-05:30PM	09:00AM-10:30AM	7.5	07:30AM-09:00AM	1.5			05:30PM-08:30PM	3
07:30AM-12:00PM;01:00PM-05:30PM		9					05:30PM-08:30PM	3
09:00AM-12:00PM;12:30PM-05:30PM		8	07:30AM-09:00AM	1.5			05:30PM-08:30PM	3
			07:30AM-10:30AM	3	12:00PM-03:00PM	3		
			05:30PM-08:30PM	3				
		48		12		3		15

November 20, 2018

Date

Signature of Faculty

Immediate Supervisor (signature over printed name)



POLYTECHNIC UNIVERSITY OF THE PHILIPPINES
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COMPUTER ENGINEERING DEPARTMENT

PU 1.4.1

I.4 Show commitment and loyalty to the institution as evidenced by

I.4.2, productive use of official time;

Documents attached:

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



POLYTECHNIC UNIVERSITY OF THE PHILIPPINES
COLLEGE OF ENGINEERING
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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 Delemination 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
Oquindo, 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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PH I. 4.3

i.4 Show commitment and loyalty to the institution as evidenced by

i.4.3. performance of tasks/assignment, with or without compensation; and

Documents attached:

- MEMORANDUM LETTER



POLYTECHNIC UNIVERSITY OF THE PHILIPPINES
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Republic of the Philippines
POLYTECHNIC UNIVERSITY OF THE PHILIPPINES
Office of the Vice-President for Academic Affairs

TENERUFE

Memorandum Order
No. 10, Series of 2018

*To: Chairperson, Lab Head
Faculty Member
For appropriate action.*

TO : ALL DEANS AND BRANCH/CAMPUS DIRECTORS
PROGRAM CHAIRS AND ACADEMIC HEADS
OU EXECUTIVE DIRECTOR AND IOD DIRECTOR

10-15-18

FROM : DR. MANUEL M. MUHI

SUBJECT : ENCODING AND SUBMISSION OF GRADES
FOR FIRST SEMESTER, AY 2018-2019

DATE : OCTOBER 15, 2018

Be reminded that timely encoding and submission of grades by the faculty members is crucial in determining the academic status of the students in connection to the latest student retention policy. Therefore, please require all faculty members to encode/submit grades on time.

Non encoding/ submission of grades will result to the delay in the signing of the faculty member's part-time teaching assignment.

For compliance.

2nd Floor, South Wing, A. Mabini Campus, Anonas Street, Sta. Mesa, Manila
Tel.Nos. 713-3532; 335-1718 local 206; 722
Website: www.pup.edu.ph



POLYTECHNIC UNIVERSITY OF THE PHILIPPINES
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PHI.4.4

1.4 Show commitment and loyalty to the institution as evidenced by

1.4.4. compliance with terms of agreement/contracts (e.g. scholarship and training).

Documents attached:

- SPECIAL ORDER LETTER



POLYTECHNIC UNIVERSITY OF THE PHILIPPINES
 COLLEGE OF ENGINEERING
COMPUTER ENGINEERING DEPARTMENT



Republic of the Philippines
POLYTECHNIC UNIVERSITY OF THE PHILIPPINES
 Sta. Mesa, Manila

PUP COMMUNICATION TRACKING SYSTEM
#2018110297
 Tracking Number

PUP - Central Records Section
 October 15, 2018
 Received By: [Signature]
 [Signature] [Signature]

SPECIAL ORDER
 No. 4219, s. 2018

In the interest of the service, ENGR. PEDRITO M. TENERIFE, JR., *Faculty Member, College of Engineering*, this University, was authorized to attend on official time the 2nd International Conference on Innovative Research in Science, Technology and Management (ICIRSTM-18) to present his research paper entitled "*Design and Development of a Hybrid Photo Bioreactor for Biomass Production of Spirulina Platensis Species*" at *National University of Singapore* on September 29 – 30, 2018.

Engr. Tenerife shall be given financial assistance amounting to SEVENTY FIVE THOUSAND PESOS ONLY (P75,000.00), pursuant to Memorandum Order No. 19, series of 2018 dated June 26, 2018, *Revised Implementing Guidelines on Paper Presentation Financial Assistance*, subject to the usual accounting and auditing rules and regulations.

He is required to submit his certificate as *paper presenter* and a report on the proceedings to the Human Resource Management Department in thirty (30) working days from receipt of this order.

[Signature]
 EMANUELA DE GUZMAN, PhD
 President

Copy furnished:

- Office of the President
- Executive Vice-President
- Vice-President for Academic Affairs
- Vice-President for Administration
- Vice-President for Finance
- Vice-President for Student Affairs and Services
- Vice-President for Research, Extension and Development
- Vice-President for Branches and Campuses
- COA Auditor
- Director, Internal Audit Office
- Director, Accounting Department
- Director, Fund Management Office
- Director, Budget Services
- Director, Human Resource Management Department
- Dean, College of Engineering
- Chief, Payroll Section
- Acting Chief, Records Section/203
- Engr. Pedrito M. Tenerife, Jr.

RESEARCH MANAGEMENT OFFICE
RECEIVED
 By: [Signature]
 Date: 11-06-18 Time: _____

POLYTECHNIC UNIVERSITY OF THE PHILIPPINES
ACCOUNTING DEPARTMENT

HUMAN RESOURCE MANAGEMENT DEPARTMENT
[Signature]
 11/6/18 TIME: _____





POLYTECHNIC UNIVERSITY OF THE PHILIPPINES
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REPORT OF PROCEEDINGS

2nd International Conference on Innovative Research in Science, Technology and Management (ICIRSTM – 18) U-Town, National University Singapore
September 29-30, 2018

The 2nd International Conference on Innovative Research in Science, Technology and Management (ICIRSTM) is jointly organized by Institute of Research and Publication. It is an exclusive gathering of all academicians, researchers, scientists, engineers and scholar students who are interested in the creation, exchange and dissemination of new ideas, knowledge for the use of technology and research results about all aspects of Science, Technology and Management. You are invited to attend and participate in the international conference which offers numerous opportunities for the different areas delegates to exchange new ideas and application experiences, to establish business or research relations and to find global partners for future collaboration.

Day 1 (September 29, 2018) – Registration starts at 8:30am-9:00am. Various delegates from different universities and colleges of different countries gathered for the event. The opening program follows where different speakers share their expertise on different topics.

"Sustainable Chemistries for Modern Consumers- From Labs to Commercialization" was delivered by the Guest of Honor Logan Ravisanker, R&D Director of South East Asia region, Dow Chemical Company.

Professor Yutaka Ohno, Nagoya University, Japan talked about "Carbon Nanotube-Based Flexible Electronics: Biosensors and Integrated Circuits for Wearable Devices".

"Design of Electrical Energy Storage Devices - The Next Wave" was discussed by Professor Lu Li, National University of Singapore (NUS), Singapore.

"Single-Atom Manipulation in the Transmission Electron Microscope" was tackled by Associate Professor Jani Kotakoski, University of Vienna, Austria.

Assistant Professor William B. Haskell, National University of Singapore (NUS), Singapore shared his topic about "New function fitting methods in approximate dynamic programming". This was followed by Assistant Professor Jagdish Chand Bansal, South Asian University New Delhi, India "Nature inspired optimization algorithms" and "STEAM – Platform of Transformation, Dynamically & Globally Evolving Youth Leadership, Innovation & Entrepreneurship Towards Sustainability" delivered by Associate Professor Lerwen Liu, King Mongkut's University of Technology Thonburi (KMUTT), Thailand.

In the afternoon, parallel sessions in Business and Management session and Technology and Engineering session. Business and Management session at room 4 chaired by Assistant Professor Jagdish Chand Bansal of South Asian University New Delhi, India and Professor Teena Bagga of Amity University, India while Technology and Engineering session at room 3 chaired by Assistant Professor Jani Kotakoski of University of Vienna, Austria and Associate Professor Hai M. Duong of National University of Singapore, Singapore. Both the Parallel sessions starts exactly at 2:00pm.

The Technology and Engineering Session starts with Mr. Jonell Ocampo presents his paper entitled "Development of TEG Energy System for Tricycle". Next is PPG Dinesh Asanka with his paper entitled "Design Strategy for Fuzzy Data Warehouses. Next is Alok Jain with the paper entitled "A State-of-the-Art on Power Quality Enhancement Techniques: Present Scenario and Future Challenges". Followed by Vinodpuri Rampuri Gosavi with the paper entitled "An Efficient Learning and Classification approach using PCA, LDA and RBF-NN". Next is Swastika Palit with the paper entitled "Graphene - an alternative to n-Si in pi-n Si Quantum Dot solar cells". Then, Deddy Barnabas Lasfeto with the paper "A simple cattle's monitoring system on traditional farming using wireless sensor network in Timor island, Indonesia". Next is Sri Redjeki with the paper "Explore Tourist Opinion With Sentiment Analysis Using Machine Learning Method". Next is



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After the Evening Tea Break, Dr. Guillermo O. Bernabe presented his research entitled "Flexural Strength of Concrete Retrofitted by Fiberglass Reinforced Laminating Film" to the audience. Followed by Suyogkumar V. Taralkar with the paper entitled "Study of Engineering Principles For Extraction of Ecdysterone From Leaves of *Achyranthes Aspera* Linn (Aghada)". Then, JV Roig with the paper "Stronger Cryptography For Every Device, Everywhere: A Side-Channel Based Approach to Collecting Virtually Unlimited Entropy In Any CPU". Followed by Rizka Khairunnisa with the paper "Factors' Analysis of Government Cloud Computing Implementation in Indonesia". Then again by JV Roig with another paper "Going Nowhere, Fast: An Analysis of the HSTS Preload List Entries, Growth Rate and Industry Adoption". Then, Engr. Rolito L. Mahaguay also shared his research "Development of e-Bag Wireless Charger for Gadgets". And, going for last but definitely not the least is Nishargo Nigar with the paper "An Intelligent Children Healthcare System in the Context of Internet of Things" concluded the day 1 of the conference.

Day 2 (September 30, 2018) – Parallel session started at 9:00am with Tarlochan Kaur presented "ANN Based Global Solar Radiation Prediction: A Case Study". Followed by Misbah Bashir with the paper "Domestic wastewater analyses and design consideration of a treatment unit in Srinagar, J&K, India". Following is Engr. Kenneth Bryan M. Tana together with Orlean G. Dela Cruz presented "Crumb Rubber Tire and Lahar Sand as Fine Aggregates in Asphalt". This draw special attention to the session chair because he conducted also a research in line with Engr. Tana's topic. Then Engr. Pedrito M. Tenerife Jr. presented his study "Design and Development of a Hybrid Photobioreactor for Biomass Production of *Spirulina Platensis* Species". Gowrishankar followed with the study "An Efficient Routing Mechanism in WSNs using PSO and GSO Algorithms". Then, C. Velmurugan with the study "Effects of sintering temperature on super elastic properties of niticu shape memory alloy using Nano indentation". Then, Dr. Jaya Iyer with the study "Factors affecting citizens' intention to use of e-Government services in India". Then, N. Thamarai Selvi with the study "Determination of spinnability by means of viscosity, refractive index and weight loss as an independent monitor to spin alumina fibres by centrifugal spinning". Then, Winda Anestya Ayunda with the study "Contributions of Author for Authorship: A Literature Review". Then, Chien-Liang Lin with the study. Then, K.Naga Prakash with the study "Face Recognition Based on Local Binary Pattern-Deep Belief Network". Then, Sharfina Nur Dini with the study "Kampung Inhabitant Economic and Social Life Improvement as A Result of Inserting Creativity". Then, Supachai Vorapojpisut with the study "Model-based Design of IoT/WSN Nodes: Hardware Abstraction Layer" then lunch break follows.

After the lunch break, the session resumes with Guvvala SaiHamsitha Reddy presenting the study entitled "Wind load estimation by peak gust method and assessment of tractive effort for mobile vehicle assembly structure". Then, L.E. Hutabarat with the study "Study of Characteristic Land Subsidence on Marine Clay Comparing to Compressibility Index and Pore Water Pressure Changes in Coastal Areas of Northern Jakarta". Then, Panomuang Sudasna Na Ayudhya with the study "Common Base Concepts of the 1st – the 3rd Order Entity WordNet of English-Thai- Vietnamese-LaoCambodian-Bahasa-Filipino-Burmese Languages for Internet Usage". Then, Swastika Palit with the paper "Design and Analysis of a Novel IOT Controlled Biomimetic Robotic Fish". Then, Vasudevan Perumal with the study "5G New Radio Enhancements for Wireless Monitoring Systems". Then, GOKULNATH S with the study "Brain pressure analysis using back propagation neural network". Then, Nipon Nachin with the study "The effective cyber security awareness methods based on psychological theories". Then, NIGIL CHERWIN C with the paper "Solar powered electric treadmill BiCycle". Then, Ellysa Nursanti with the study "Productivity Improvement Study for Aircraft Maintenance Staff". Then, Teerawat Kamnardsiri with the study "Assessment the Speed-up Detection System for Testing Sprinters' Performances Using Computer Vision Techniques". Tea breaks proceeded after.




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with the paper "On the Validity of the Knowledge Transferring Assessment of the Knowledge-Based System for Training Long Jump Athletes: The Approach-Run Phase". Then, Rattaphol Pueboobpaphan with the study "Time-varying demand model for shuttle bus service in a campus" and "Willingness to pay for food delivery service to a remote area". Then, Zamzila Kassim with the study "Experimental evaluation and thermodynamic modelling of tetraethyl ammonium chloride of carbon dioxide gas hydrate phase condition". Then, Muh. Nur Musa with the study "Requirements Representation Ontology Comprehension in Semantic Wiki". Then, Yanif Dwi Kuntjoro with the paper "A Preliminary Feasibility Study of Solar Home System at 3rd Fleet Command". Then, the last presenter, Khusnul Khotimah presented the study "Best-Fit Estimation Model and Optimization of Biodiesel Production Based on CPO in Indonesia.

Closing and Conference Awarding Ceremony was conducted after the parallel sessions.

Prepared by:

Engr.  Pedro M. Tenerife Jr