

FACULTY RESEARCHES FROM FY 2017-2023
(UREC-Approved/Institutionally-recognized/Faculty-Led)

Research Title	Time Frame	Date of Completion	Research Cost	Funding Source	Researcher/s
2023					
1. Online Biochemistry Distance Learning: Dentistry Students Perceived Opportunities and	N/A	2023	N/A	N/A	Roberto L. Rodriguez and Christopher H. Punzalan
2. Digital Resources Availability and Sufficiency: Insight from Filipino Scientific Literacy Scores	N/A	2023	N/A	N/A	Roberto L. Rodriguez et.al
3. Perspective of Industry Partners on Engineering Student Trainees in One State University in the Philippines: Basis for Enhanced Student Industrial Training Program	6 months	Ongoing	5,600	Campus Research Funds	Luis D. Dulnuan, Jr., Jessie C. Saulog, Alvin A. Genito
4. Feasibility Study on the Construction of TUP Cavite Students Dormitory	12 months	Ongoing	5,000	Campus Research Funds	Darius L. Fajardo, Nicka Liezl L. Kwan, Roberto L. Rodriguez, Jr.
5. Sex Disaggregated Data for TUPC's BSIE/BTTE and Bachelor of Engineering Technology (BET) School Year 2018- 2022	12 months	Ongoing	2,400	Campus Research Funds	Edmundo G. Frias
2022					
6. Responding to the New Normal in the Teaching Learning Environment	12 months	12/2022	22,650	Campus Research Funds	Emily L. Beltran
7. AUTO-HYDRO: Sustainable Automated Hydroponics	15 months	Ongoing	158,800	Campus Research Funds	Jean Rose A. Esguerra, Rolan A. Dela Cruz,

System for Urban Micro Farming					Marvin Adonis Naron, Patrick Jay A. Butial
8. WISH: Wireless IoT for Smart Hydroponics	15 months	Ongoing	65,000	Campus Research Funds	Jay Victor G. Gumboc, Arnold De Vega, Beverly M. De Vega, John Paulo Diaz
9. Utilization of Organic Plant Nutrient Solution from Household Compost for Hydroponic Lettuce	15 months	Ongoing	73,100	Campus Research Funds	Alicia A. Topacio, Ron Kelvin Miranda, Cherele M. De Leon, Rosemae F. Rosete
2021					
10. Electronic Communication Trainer	12 months	03/2022	27,000	Campus Research Funds	Alvin A. Genito, et.al
11. Automated Watering System for Dragon Fruit	12 months	07/2022	36,370	Campus Research Funds	Luis D. Dulnuan Jr., Jesse Saulog, Rolan A. Dela Cruz, Marvin Adonis Naron, Alvin A. Genito
12. TUPC 2018 and 2019 Graduate Employability Study	12 months	04/2022	86,700	Campus Research Funds	Rosemarie P. Veluya, Ma. Juliet Patria D. Escalona, Darius L. Fajardo
2020					
13. Variation of thermal expansion coefficient of freestanding multilayer pristine graphene with temperature and number of layers	12 months	06/25/2020	N/A	N/A	Alexander E. Mag-isa, *Sang-Min Kim, *Jae-Hyun Kim, *Chung-Seong Oh
14. Factors Affecting Employability of Industrial Technology Graduates in Selected State Universities and Colleges (SUCs) in the Philippines: A Comparative Study	12 months	10/01/2021	N/A	N/A	Luis D. Dulnuan, Jr.

15. Issues and Problems in Dual Training System Implementations: Basis for Policy Recommendation	12 months	06/01/2021	N/A	N/A	Alvin A. Genito
2018					
16. Development and Evaluation of Electronic Trainer with Computer Based Input/Output Systems	12 months	July 2019	N/A	N/A	Luis D. Dulnuan, Charlie Barbero, Arjhay Earl Amboy, Kayle Eivan Flores
17. The 21 st Century Skills of the Middle-aged English Classroom Teachers: A Descriptive Study	12 months	February 2019	10,480	Personal	Emily L. Beltran
2017					
18. Performance of SIT Students for SY 2015-2016: Basis for Program Development	6 months	2018	15,000	Campus Research Funds	Luis D. Dulnuan, Jr., Jessie C. Saulog
19. Vulnerability of Women Ambulant Vendor: The Case of Putuhan 2	12 months	December 2018	61,500	Personal	Normi B. Santos, Edmundo G. Frias
20. TUPC Graduate Tracer Study (2011-2015)	12 months	2018	11,000	Campus Research Funds	Luis D. Dulnuan, Jessie C. Saulog, Alyhandro T. Gomez, Jenny Feraer
21. Development and Evaluation of Universal Hydraulic Kingpin	12 months	September 2017	12,540	Personal	Jose P. Ortega, David Henry M. Celis, Joseph C. Muriel

** Faculty of Kumoh National Institute of Technology*