

18th University In-House Review Session 4
August 20, 2020
8:00 a.m. to 4:00 p.m.

The continuation of the first virtual 18th University In-House Review (Session 4) was held on August 20, 2020 from 8:00 a.m. to 4:00 p.m. Over 200 faculty members coming from the different departments and offices attended the virtual event. Like in the previous session, it can be noted that the undertaking was successful as evident by the number of attendees who stayed and patiently waited until the last presentation had finished.

No pandemic had prevented the promotion of an active research culture in the university. More specifically, in this session the faculty researches from the STE Department showcased knowledge on innovation and technology in their work. The expertise of the STE faculty researchers who participated in the event is a clear indication of a deep commitment in the pursuit of excellence in the field of research in the university. A total of 10 papers were presented comprising six (6) completed researches and four (4) research proposals.

The STE papers were examined and assessed by panel of experts who are well known for their expertise in practice and their immense contribution to Research. For session 4 the panel members were: and Dr. Ruby P. Henson, Chair Person in the Graduate School of Holy Angel University; Ms. Mary Michelle Quiambao, Director of the Provincial Science and Technology Center, Pampanga; Engr. Reden M. Hernandez, Vice-President for Academic Affairs; and Engr. Ranie Canlas, Vice-President for Research, Extension and Training.

Below is the list of faculty researchers who joined the 4th session with their corresponding research titles.

COMPLETED PAPERS

1. Title: Leaf Recognition System Using Image Processing and Support Vector Machine
Researcher: Mary Anne M. Sahagun
2. Title: Machine Learning Based Selection of Engineering Freshmen Students of DHVSU
Researcher: Mary Anne M. Sahagun
3. Title: Modernizing Student Internship Programs of Higher Education Institutions
Researcher: Veron Grace M. Maniago; Jester C. David
4. Title: Proposed Location of Speed Bump Generator for E-trike Charging Station in Bulaon, CSFP
Researcher: Engr. Inla Diana C. Salonga
5. Title: Transformer Loading Management for Residential Transformers of a

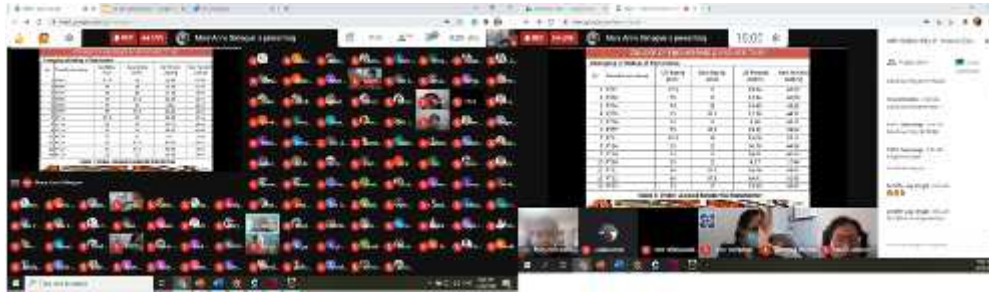
Barangay in Arayat, Pampanga
Researcher: Reynaldo H. Gomez, Jr; Romalyn H. Gomez; Edgardo M. Santos

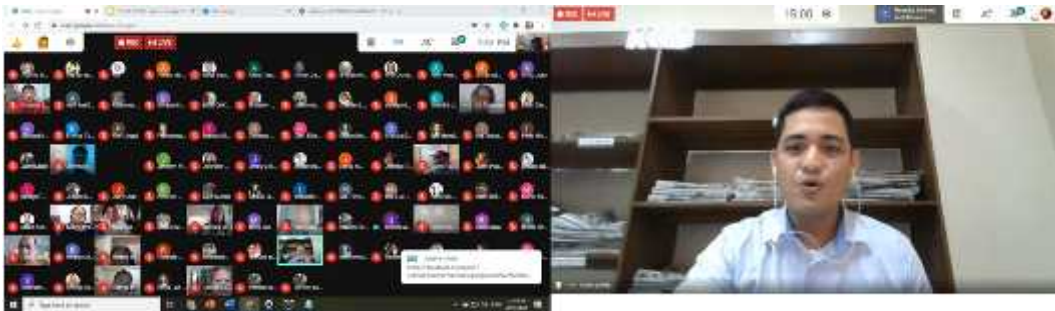
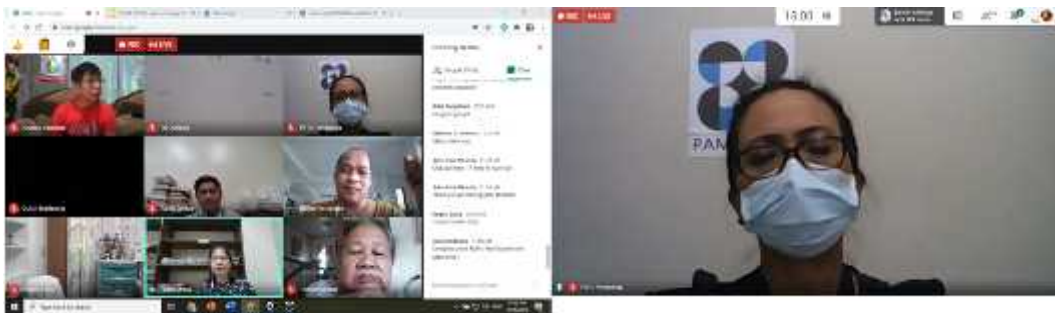
6. Title: Vehicular Motion of Electrically Powered and Conventional Motorized Tricycles: An Operational Efficiency Assessment
Researcher: Anna Liza C. Nacion; Dr. Robin B. Dimla; Ms. Dynah D. Soriano

RESEARCH PROPOSALS

1. Title: Criminal Incidence: A Spatio-temporal Analysis in the Province of Pampanga
Researcher: Julieta M. Umali; John Paul P. Miranda
2. Title: Development of an Intelligent Barangay Street System for Monitoring Road Cleanliness and Using Deep Learning Algorithm
Researcher: Veron Grace M. Maniago; John Paul P. Miranda; Jaymark Yambao
3. Title: Development of E-Health System with Resource Allocation Forecasting for Local Health Communities
Researcher: John Paul P. Miranda
4. Title: Exploring Philippine Presidents' Speeches: A Sentiment Analysis and Topic Modelling Approach
Researcher: John Paul P. Miranda; Rex P. Bringula (Univesity of the East)

The participants, audience, panel of experts and RDSO admin





Report Prepared by:

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