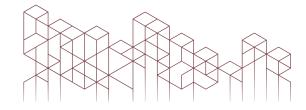
Session Program

October 20, 2025



Annual In-House Review 2025





Academician, National Academy of Science and Technology (NAST) Professor, UP Marine Science Institute

23rd MSU-IIT Annual In-House Review of **Research and Development Projects**

Oral Presentations

MSU-IIT Gymnasium

Mon, October 20

1:00 PM

Oral Presentations: Business, Education, Arts, Humanities, and Social Sciences

Session | Location: Premier Research Institute of Science and Mathematics (PRISM), 2F Conference Room | Convener: Dr Irish Dalona

1:00 - 1:20 PM

Culturally Tailored Maternal Health Care: Examining the Needs of Young Higaonon **Mothers**

Speaker

Neil Martin

1:20-1:40 PM CLENS: Garbage Awareness App using Gamification and IoT

Speaker

Charlemagne Theodore Yancha

1:40 - 2:00 PM

#Canceled: Predictors of Consumers' Intention to Cancel in the Philippines

Speaker

Safa Manala-O

2:00 - 2:20 PM

The Relationship between Beneficiary Involvement and SDG -Based Projects Effectiveness in Marginalized Communities: The Role of Service Quality as **Moderating Variable**

Speaker

Abdullah Sirad

2:20 - 2:40 PM `

Time Online sexual abuse and exploitation of children (OSAEC) survivors and atrisk children: Designing enhancing gender and social equity development intervention program

Speaker

Alma Maranda

Language and Culture in the Dinagat Islands: Their Impact on Environmental Stewardship

Speakers

Adelfa Silor, Mark Anthony Torres

3:00 - 3:20 PM

Exploring the Impact of Family Functioning on the Depression Status of the Grade 9 High School Students in Iligan City: Basis for Designing a Family Mental Health **Education Program**

Speaker

Gloria Shiela Coyoca

3:20 - 3:40 PM

Assessing the Awareness and Implementation of Sustainable Development Goals: Alignment from Iligan City's Local Government Unit to Barangay Local Government Units

Speaker

5:00 PM Bainorah Amate

1:00 PM

Oral Presentations: Natural Sciences, Mathematics, Engineering and Technology

Session | Location: MSU-IIT Center for eLearning (MICeL) | Convener: Dr Mark Tristan Quimque

1:00 - 1:20 PM

Epoxy-based Resin with Black Sand: An Alternative Material for Three Phase Induction Motor Stator Core

Speaker

Newman Malaya

1:20 - 1:40 PM

AgriCerPSi - Synthesis of Agricultural Waste-Derived Ceramic Porous Silicate Particle

Speaker

Raymond Rivera-Virtudazo

1:40 - 2:00 PM

Evaluating Vector and Human Control Strategies for Dengue Transmission in the Philippines in the Absence of Vaccination

Speaker

Michael Subido

2:00-2:20 PM Transportation Network Optimization for Iligan City

Speaker

Krizzel Vangie Atoz

2:20 - 2:40 PM

Nutrient Load Optimization of Hydrothermal Hydrolysate Liquor from Coffee and Cassava Waste

Speaker

Carlo Alfaro

2:40 - 3:00 PM

Development of drone-based computer vision-assisted pavement distress detection (Phase 2)

Speaker

Shiela Mae Barro

3:00 – 3:20 PM

Mask, Hairnet and Handwash Monitoring System using Deep Learning and IoT Technology

Speaker

Elaine Krissnell Mira

3:20 - 3:40 PM

Morphological Taxonomy of Tarantulas (Araneae: Theraphosidae) From the Selected Locations in Mindanao, Philippines

Speaker

Joshua Sumogat

3:40 - 4:00 PM

Turbulence Generator Integration for Enhanced Heat and Moisture Recovery in Quasi-Counter flow Membrane Heat Exchangers

Speaker

Napoleon Enteria

4:00 – 4:20 PM

Energy and Greenhouse Gas (GHG) Auditing of Mindanao State University - Iligan Institute of Technology Buildings

Speaker

Hernando Bacosa

5:00 PM