



**LIST OF GRADUATE THESES  
as of October 2021**

**Master of Science in Mechanical Engineering**

- Abrasaldo, R. V. (2017). *Design, Fabrication and Performance Evaluation of a Vertical-Cylinder, Semi-Automatic Coconut Dehusker* [Master's Thesis, MSME]. School of Graduate Studies, Mapua University.
- Ang, E. B. O. (2014). *Development of a low cost three axis additive manufacturing machine* [Master's Thesis, MSME]. School of Graduate Studies, Mapua Institute of Technology.
- Bernardo, A. C. (2017). *Development of Simulation Tool for Electric Vehicle Adaptation, Diffusion and Charging Infrastructure Station Based on Agent-Based Model* [Master's Thesis, MSME]. School of Graduate Studies, Mapua University.
- Dela Cruz, G. E. E. (2020). *Comparative Analysis of Ormat and Kalina Cycle for the Geothermal Resource in Mabini, Batangas Using Thermo-economic Analysis* [Master's Thesis, MSME]. School of Graduate Studies, Mapua University.
- Dela Luna, N. J. A. B. (2017). *Tidal Resource Assessment and Hydrodynamic Simulation of a Sea Gen-type Horizontal Axis Tidal Turbine in Verde Island Passage Philippines* [Master's Thesis, MSME]. School of Graduate Studies, Mapua University.
- Dondon, J. S. (2020). *Design and Simulation of a Small-scale Horizontal Axis Hydrokinetic Turbine for Ocean Application* [Master's Thesis, MSME]. School of Graduate Studies, Mapua University.
- Garcia, G. M. (2019). *Investigation on the accelerated drying characteristics of Theobroma Cacao using microwave heating* [Master's Thesis, MSME]. School of Graduate Studies, Mapua University.
- Lusoc, E. A. (2016). *Design and Development of Oven Dryer for Cashew Nut Drying Studies* [Master's Thesis, MSME]. School of Graduate Studies, Mapua Institute of Technology.
- Magno, J. U. (2018). *CFD Analysis and geometry optimization of the wet steam multiphase flow cyclone separator* [Master's Thesis, MSME]. School of Graduate Studies, Mapua University.
- Manzano, J. M. (2017). *Design, Fabrication and Performance Evaluation of Hot Air Equipped with Rise Husk Fired Furnace (RHFF) and Cross flow Heat Exchanger for Rabbitfish* [Master's Thesis, MSME]. School of Graduate Studies, Mapua University.



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- Nnadiri, G. U. (2015). *Evaluation of the Drying and Characteristics Curves of Cassava Chips using a Natural Convection Solar Dryer* [Master's Thesis, MSME]. School of Graduate Studies, Mapua Institute of Technology.
- Revalo, O. M. (2020). *Design Concept of an Expander for a Modified LiBr-Water Absorption Unit to Harness Waste Heat from a Multi-stage Compressor in an Air Separation Plant* [Master's Thesis, MSME]. School of Graduate Studies, Mapua University.
- Revilla, A. B. (2021). *Design of a Deep-Bed Dryer with Inclined False Floor for Drying Rice Paddy using CFD Simulation* [Master's Thesis, MSME]. School of Graduate Studies, Mapua University.
- Santos, E. I. (2008). *Achieving higher-quality output in decorating glass containers through servomotor and single-direction print application* [Master's Thesis, MSME]. School of Graduate Studies, Mapua Institute of Technology.
- Tayactac, R. G. (2021). *Assessment of Corrosion Resistant Alloy Clad Material for Geothermal Wellhead Piping System* [Master's Thesis, MSME]. School of Graduate Studies, Mapua University.
- Tiu, RJ L. C. (2019). *Development of an Autonomous Two-wheeled Robotic Stacker Prototype* [Master's Thesis, MSME]. School of Graduate Studies, Mapua University.
- Tolentino, A. A. (2020). *Optimization of Helical Gear Plunge Shaving Cutting Parameters for Cutter Life Using Taguchi Method* [Master's Thesis, MSME]. School of Graduate Studies, Mapua University.
- Villalon, J. L. (2021). *Conversion, Simulation, and Engine Testing of a Single Cylinder Port-fuel Injected (PFI) Atkinson Cycle Engine Based on an Otto Cycle Engine* [Master's Thesis, MSME]. School of Graduate Studies, Mapua University.