



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

**Master of Engineering Program – Industrial Engineering**

- Balilo, A. G. (1999). *Setting up a centralized production scheduling system for MBU operations* [Master's Thesis, MEP-IE]. School of Graduate Studies, Mapua Institute of Technology.
- Balinado, J. R. (2020). *Effects of Service Quality on Customer Satisfaction in an Automotive After-Sales Service* [Master's Thesis, MEP-IE]. School of Graduate Studies, Mapua University.
- Bautista, J. V. (2020). *Effective Inventory Management System in Efficient Supply and Distribution Management in one of Manufacturer of Foods Seasoning Products in the Philippines* [Master's Thesis, MEP-IE]. School of Graduate Studies, Mapua University.
- Bueno, F. (2020). *Development of low-cost blackbody target/source for infrared radiation thermometer calibration from sub-zero to below ambient Celsius* [Master's Thesis, MEP-IE]. School of Graduate Studies, Mapua University.
- Bunda, M. S. M. (1999). *Study conducted at Tabaqueria de Filipinas* [Master's Thesis, MEP-IE]. School of Graduate Studies, Mapua Institute of Technology.
- De Vera, J. T. (1998). *Environmental management system (EMS) gap analysis for ABC Philippines* [Master's Thesis, MEP-IE]. School of Graduate Studies, Mapua Institute of Technology.
- Delgado, J. E. (2014). *Facility layout improvement model using ergonomics and layout simulation* [Master's Thesis, MEP-IE]. School of Graduate Studies, Mapua Institute of Technology.
- Fernandez, J. R. (1997). *Proposed Application of an IoT-based Predictive Maintenance to Improve O&M of University Project by FM Company: A Six Sigma Approach* [Master's Thesis, MEP-IE]. School of Graduate Studies, Mapua University.
- Halili, M. B. (1997). *Improving Overall Equipment Effectiveness through Total Productive Maintenance in a Cement Paper Bag Manufacturing Company: A Lean Approach* [Master's Thesis, MEP-IE]. School of Graduate Studies, Mapua University.
- Lapidez, A. M. (1997). *Just-in-time system : kanban approach* [Master's Thesis, MEP-IE]. School of Graduate Studies, Mapua Institute of Technology.



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- Misola, M. G. (2014). *GA -based optimal facility layout design: crossover and mutation probability evaluations* [Master's Thesis, MEP-IE]. School of Graduate Studies, Mapua Institute of Technology.
- Nunez, R. V. (1998). *Real time monitoring of production results through the use of optical character recognition technology* [Master's Thesis, MEP-IE]. School of Graduate Studies, Mapua Institute of Technology.
- Salazar, D. D. (2021). *Improving Wafer Hairline Crack Detection Process at Chip Probe in Reducing on Manufacturing Downtime* [Master's Thesis, MEP-IE]. School of Graduate Studies, Mapua University.
- Taleon, S. J. (2020). *Lean Purchasing of MRO Supplies in a Philippine Coal-Fired Power Plant: A Portfolio Thinking Approach* [Master's Thesis, MEP-IE]. School of Graduate Studies, Mapua University.
- Tarala, B. C. (2020). *Modeling efficient cold chain for ice cream manufacturing in Papua New Guinea* [Master's Thesis, MEP-IE]. School of Graduate Studies, Mapua University.
- Veroya, F. C. (2020). *Application of lean six sigma for improving the overall equipment effectiveness in a semiconductor company in the Philippines* [Master's Thesis, MEP-IE]. School of Graduate Studies, Mapua University.