



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

Master of Science in Engineering Management

- Abad, A. A. J. (2014). *Risk analysis on product development in food and beverage industry in the Philippines* [Master's Thesis, MSEM]. School of Graduate Studies, Mapua Institute of Technology.
- Abayhon, R. A. (2016). *Effects of the Nature of Work and Environmental Factors to the Stress Level of the Cabin Crews of Aviation Company ABC* [Master's Thesis, MSEM]. School of Graduate Studies, Mapua Institute of Technology.
- Abella, A.A. (2020). *The Effect of Positive Reinforcement of Behavioral Based Safety on Safety Participation in Philippine Power Plant Workers: A Structural Equation Modelling Approach* [Master's Thesis, MSEM]. School of Graduate Studies, Mapua University.
- Acot, M. A. D. (2019). *Life Cycle Assessment (LCA) – Based Approach in the Development of a Re-Circulation System for Second hand Textbooks* [Master's Thesis, MSEM]. School of Graduate Studies, Mapua University.
- Algire, G. D. (2010). *Application of six sigma statistical analysis in a clean room process of a multi-layer ceramic capacitor manufacturing for quality improvement* [Master's Thesis, MSEM]. School of Graduate Studies, Mapua Institute of Technology.
- Amador, A. A. (2020). *Perception of Hotel Customers Based on Nationality: a Comparative Analysis of Reviews and Ratings* [Master's Thesis, MSEM]. School of Graduate Studies, Mapua University.
- Arguson, J. H. (2008). *Effects of localized product readiness testing on Company S Mobile Phones* [Master's Thesis, MSEM]. School of Graduate Studies, Mapua Institute of Technology.
- Bergantinos, L. R. B. (2017). *Assessment on Customer Satisfaction thru Service Quality of Roto Rooter Philippines* [Master's Thesis, MSEM]. School of Graduate Studies, Mapua Institute of Technology.
- Bordeos, R. J. M. (2015). *Electrostatic Discharge / Contamination Control in Slider Fabrication through Process Automation and Integration* [Master's Thesis, MSEM]. School of Graduate Studies, Mapua Institute of Technology.
- Chelkasari, A. R. (2008). *A Comparative evaluation of the barcode system vs. RFID in the supply chain management of the automotive industry in Iran (hypothetical model)* [MSEM, Mapua Institute of Technology.



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- Cornista, A. S. (2019). *Optimization of a Dissolved Air Flotation System using Factorial Experimental Design at a Water Treatment Plant in Laguna de Bay* [Master's Thesis, MSEM]. School of Graduate Studies, Mapua University.
- Cruzem, V. D. D. (2016). *A Hosting Capability Assessment for Philippine Based Shared Service Center* [Master's Thesis, MSEM]. School of Graduate Studies, Mapua Institute of Technology.
- Cuales, J. C. (2020). *Three level supply chain considering variable carbon emission cost with multi-level credit payment under multiple supplier and multiple retailer* [Master's Thesis, MSEM]. School of Graduate Studies, Mapua University.
- Del Rosario, O. M. D. (2014). *The main factors for new growth of Philippines Printing Industry* [Master's Thesis, MSEM]. School of Graduate Studies, Mapua Institute of Technology.
- Dela Fuente, D. G. D. (2021). *Impact of COVID-19 Pandemic on Airport: An Empirical Study of Service Quality, Customer Satisfaction, and Travel Intention* [Master's Thesis, MSEM]. School of Graduate Studies, Mapua Institute of Technology.
- Doblon, R. G. T. V. (2014). *Applying lean methodology in determining efficient batch size for semiconductor backend operations* [Master's Thesis, MSEM]. School of Graduate Studies, Mapua Institute of Technology.
- Embang, E. S. (2015). *Structural Equation Modelling Approach to Improving Student Retention at the University of the Assumption* [Master's Thesis, MSEM]. School of Graduate Studies, Mapua Institute of Technology.
- Enriquez, A. M. (2016). *An Operational Model Approach to the Merger of Real Estate Firms under the Same Corporation* [Master's Thesis, MSEM]. School of Graduate Studies, Mapua Institute of Technology.
- Escueta, D. L. B. (2010). *Brand X marketing strategy: the coil during crisis to improve market shares in the Visayas-Mindanao area* [Master's Thesis, MSEM]. School of Graduate Studies, Mapua Institute of Technology.
- Garcia, N. E. (2008). *Study to determine the effect of leader awareness on the discipline of strategy implementation* [Master's Thesis, MSEM]. School of Graduate Studies, Mapua Institute of Technology.



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Master of Science in Engineering Management

- Guerra, M. K. M. (2017). *A Research Study on the Effects of Skills Training on Employee Productivity in Government Institution* [Master's Thesis, MSEM]. School of Graduate Studies, Mapua University.
- Laureta, A.R. (2020). *A Sustainability Approach in the Development of Coal Blend Model for Subcritical Pulverized Coal Fired Power Plants in the Philippines* [Master's Thesis, MSEM]. School of Graduate Studies, Mapua University.
- Leonardo, R. M. (2017). *Risk-Based Approach for the Development of Wireless Telecommunication Base Stations* [Master's Thesis, MSEM]. School of Graduate Studies, Mapua University.
- Lim, J. J. V. (2008). *Agent attributes-based productivity model of an outsourced chat-based customer contact center* [Master's Thesis, MSEM]. School of Graduate Studies, Mapua Institute of Technology.
- Manay, R. L. (2008). *Evaluation of Bayesian Network methodology for root cause analysis of 1st supplier related quality issues* [Master's Thesis, MSEM]. School of Graduate Studies, Mapua Institute of Technology.
- Martinez, J. C. C. (2008). *Protecting market leadership in the C-industry* [Master's Thesis, MSEM]. School of Graduate, Mapua Institute of Technology.
- Monteiro, C. N. (2020). *Development of Postponement Strategies for Reverse Supply Chain in Anticipating Uncertain Demand* [Master's Thesis, MSEM]. School of Graduate Studies, Mapua University.
- Ong, A. K. S. (2019). *Joint Economic Lot Size Model with Carbon Emission Considering Multi-Level Credit Policy in a Three-Level Supply Chain* [Master's Thesis, MSEM]. School of Graduate Studies, Mapua University.
- Orejas, J. D. (2013). *Marketing Strategy Development for a large Volume Intravenous (I.V.) Infusion Pump for the Philippine Market* [Master's Thesis, MSEM]. School of Graduate Studies, Mapua Institute of Technology.
- Paradina, R. M. (2021). *Applications and Challenges of Adopting Internet of Things (IoT) in Reducing Road Traffic Accidents* [Master's Thesis, MSEM]. School of Graduate Studies, Mapua Institute of Technology.



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- Penaflo, R. N. (2013). *Environmental and business impacts of using refuse derived fuel in clinker burning process* [Master's Thesis, MSEM]. School of Graduate Studies, Mapua Institute of Technology.
- Pilarta, R. C. (2021). *Perceived Effectiveness of Work from Home (WFH) Employees: A Basis for Enhancing Employee Engagement* [Master's Thesis, MSEM]. School of Graduate Studies, Mapua University.
- Ramos, J. P. (2013). *Exploring Public Utility Vehicles (PUV) Service Quality and Customer Satisfaction during COVID-19 Pandemic in the Philippines: a SERVQUAL Approach* [Master's Thesis, MSEM]. School of Graduate Studies, Mapua Institute of Technology.
- Ramos, R. M. P. (2017). *Digital Terrestrial TV in Philippines: What is in it for the media consumer?* [Master's Thesis, MSEM]. School of Graduate Studies, Mapua University.
- Reyes, J. E. A. (2016). *Agile Scrum Adaptation of the Application Development Projects of Company C* [Master's Thesis, MSEM]. School of Graduate Studies, Mapua Institute of Technology.
- Reyes, R. J. (2015). *A Risk Management based Econometric Modelling of Insurance Underwriting in Engineering Projects* [Master's Thesis, MSEM]. School of Graduate Studies, Mapua Institute of Technology.
- Romero, A. P. (2015). *A Service Innovation Framework for the Philippine BPO Sector: A Business Strategy Perspective* [Master's Thesis, MSEM]. School of Graduate Studies, Mapua Institute of Technology.
- Rosita, K. K. M (2021). *Equipment Reliability Optimization using Predictive Reliability Centered Maintenance* [Master's Thesis, MSEM]. School of Graduate Studies, Mapua University.
- Sagum, R. J. B. (2018). *Principle Application of Lean Supply Chain Management in FMCG Companies* [Master's Thesis, MSEM]. School of Graduate Studies, Mapua University.
- Samadi, J. R. (2008). *An evaluation of the Philippine public transport system: a strategic plan for jeepney sector* [Master's Thesis, MSEM]. School of Graduate Studies, Mapua Institute of Technology.
- Sol, M. N. S. (2018). *Digitization Solution for the Philippine Telecommunications Industry using Analytic Hierarchy Process* [Master's Thesis, MSEM]. School of Graduate Studies, Mapua University.



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- Soleymani, I. (2010). *Multi-criteria decision making in supply chain management: a case study of an Iranian Company* [Master's Thesis, MSEM]. School of Graduate Studies, Mapua Institute of Technology.
- Soriano, M. Z. S. (2014). *Cost Leadership Strategy: A Key to Sustain Profitability on a Saturated Shipping Industry* [Master's Thesis, MSEM]. School of Graduate Studies, Mapua Institute of Technology.
- Tan, R. J. (2017). *Preparedness of Philippine Aviation in Implementing Automatic Dependent Surveillance-Broadcast (ADS-B)* [Master's Thesis, MSEM]. School of Graduate Studies, Mapua University.
- Valic, B. C. (2018). *Development of an Implementation Framework of Big Data and Analytics for a National Government Agency in the Philippines* [Master's Thesis, MSEM]. School of Graduate Studies, Mapua University.
- Valido, M. S. (2006). *A customized Ulrich and Eppinger new product development model as applied on technology and product release process in the semiconductor industry* [Master's Thesis, MSEM]. School of Graduate Studies, Mapua Institute of Technology.
- Velasquez, I. I. A. (2020). *Effect of Customer Bounded Rationality Level on Customer Service Operation of Philippine Mobile Telecommunications Company* [Master's Thesis, MSEM]. School of Graduate Studies, Mapua University.
- Venturina, D. J. T. (2010). *Cost in testing using open-source test automation toll and its impact in quality assurance process* [Master's Thesis, MSEM]. School of Graduate Studies, Mapua Institute of Technology.
- Yusores, C. M. B. (2016). *Forecast of Patent Filings in the Philippines using Autoregressive Integrated moving Average (ARIMA) Model* [Master's Thesis, MSEM]. School of Graduate Studies, Mapua Institute of Technology.