



LIST OF GRADUATE THESES
as of September 2021
Master of Science in Electronics Engineering
Major in Microelectronics

- Bautista, J. U. (2016). *Improvement of Parametric Gain Error on ADI Precision Difference Amplifier thru Package Stress Reduction and Trim Retarget* [Master's Thesis, MSECE Microelectronics]. School of Graduate Studies, Mapua Institute of Technology.
- Bongabong, E. D. (2016). *Implementation of an Android-Based Flood Monitoring System with Wireless Monitoring and Remonote Data Accessing Using Flood Models*. [Master's Thesis, MSECE Microelectronics]. School of Graduate Studies, Mapua Institute of Technology.
- Caguioa, E. Z. (2017). *Sensitivity Testing Alternative For Automative Microeletromechanical System (MEMS) Accelerometers Through Electrostatic Actuation*. [Master's Thesis, MSECE Microelectronics]. School of Graduate Studies, Mapua University.
- De Castro, J. R. (2021). *Electronic Mapping of Assembly Rejects Capability for Film Testing as means of Eliminating Quantity Discrepancies During Final Test* [Master's Thesis, MSECE Microelectronics]. School of Graduate Studies, Mapua University.
- Dela Cuesta, A. (2018). *An investigation on the effect of online cleaning on wafer testing and on the catilever probe pins*. [Master's Thesis, MSECE Microelectronics]. School of Graduate Studies, Mapua University.
- Fokno, M. R. (2020). *Resolving Yield Loss at Final Test using the Six Sigma Problem Solving Methodology* [Master's Thesis, MSECE Microelectronics]. School of Graduate Studies, Mapua University.
- Fulla, K. E. G. (2018). *Backside Preparation by Milling Approach of Module Device for Failure Analysis* [Master's Thesis, MSECE Microelectronics]. School of Graduate Studies, Mapua University.
- Lagrason, P. G. G. (2019). *Nitrogen cycle under controlled greenhouse aquapoincs*. [Master's Thesis, MSECE Microelectronics]. School of Graduate Studies, Mapua University.
- Lumabad, C. D. (2020). *Coil-Aligning Inductive Charging Station for Lithium Polymer Battery of Unmanned Aerial Vehicle (UAV) using Shape Detection Algorithm* [Master's Thesis, MSECE Microelectronics]. School of Graduate Studies, Mapua University.
- Mabunga, Z. P. (2019). *Greenhouse gas emissions and groundwater leachate leakage monitoring of sanitary landfill*. [Master's Thesis, MSECE Microelectronics]. School of Graduate Studies, Mapua University.



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- Montales, J. F. (2018). *Determination of Parameters for the Manual Decapsulation of IC with Cu Wire Bond* [Master's Thesis, MSECE Microelectronics]. School of Graduate Studies, Mapua University.
- Padilla, M. V. C. (2019). *A Monitoring Device for Urine Volume and Turbidity Using Continuity Flow and Beer Lambert's Laws for Post-Operative Patients* [Master's Thesis, MSECE Microelectronics]. School of Graduate Studies, Mapua University.
- Reonal, L. B. (2016). *Android-Based Mobile Tracking and Alarm System during Natural Disaster* [Master's Thesis, MSECE Microelectronics]. School of Graduate Studies, Mapua Institute of Technology.
- Tan, J. J. E. (2019). *Design of Low Voltage Readout Circuit for Ion Sensitive Field Effect Transistor with Temperature Compensation* [Master's Thesis, MSECE Microelectronics]. School of Graduate Studies, Mapua University.
- Taganile, G. G. (2020). *Offline Checker for Detection of Faulty Relays on Daughter Card* [Master's Thesis, MSECE Microelectronics]. School of Graduate Studies, Mapua University.
- Valenzuela, I. C. (2015). *Parameter Extraction of Optoelectronic pH Sensor based on the Hue Absorbance of a pH Test Strip* [Master's Thesis, MSECE Microelectronics]. School of Graduate Studies, Mapua University.