



LIST OF GRADUATE THESES
as of October 2020
Master of Engineering Program Major in Electronics Engineering

Alipio, M. I. (2013). *Improvement of Network Cabling Facilities of Colegio de San Juan de Letran Calamba* [Master's Thesis, MEP-ECE]. School of Graduate Studies, Mapua Institute of Technology.

Andres, A. L. C. (1999). *Digital fiber optics transmission for T.V. broadcasting* [Master's Thesis, MEP-ECE]. School of Graduate Studies, Mapua Institute of Technology.

Bagay, J. L. (2013). *Linear Regression Model for Estimating Penetration Loss of Identified Materials in a Controlled Indoor Environmental under UHF Band IV using Log Periodic Antenna* [Master's Thesis, MEP-ECE]. School of Graduate Studies, Mapua Institute of Technology.

Baguiao, A. Q. (2014). *Reliability evaluation of Naga Substation using event tree analysis* [Master's Thesis, MEP-ECE]. School of Graduate Studies, Mapua Institute of Technology.

Balbin, J. R. (1998). *Wireless local loop (WLL) system as an alternative solution to conventional wired design of Philippine Long Distance Telephone Company* [Master's Thesis, MEP-ECE]. School of Graduate Studies, Mapua Institute of Technology.

Ballado, A. H. (1998). *Equipment modification on model 5000 Veritrac® professional voice communications recording system* [Master's Thesis, MEP-ECE]. School of Graduate Studies, Mapua Institute of Technology.

Basanes, R. A. V. (1999). *ISDN dial-in test facility* [Master's Thesis, MEP-ECE]. School of Graduate Studies, Mapua Institute of Technology.

Bautista, R. R. (1999). *Satellite system for TV broadcasting* [Master's Thesis, MEP-ECE]. School of Graduate Studies, Mapua Institute of Technology.

Bobis, B. B. (2019). *Arduino-based real time gunshot detection and localization* [Master's Thesis, MEP ECE]. School of Graduate Studies, Mapua University.

Cagayat, S. C. J. (2014). *Verification of Xilinx ISE 14.1 and Xilinx Spartan-6 LX16 FPGA Board by implementing FPGA design flow using Verilog HDL* [Master's Thesis, MEP-ECE]. School of Graduate Studies, Mapua Institute of Technology.

Castro, D. M. (1997). *PCB modeling and simulation* [Master's Thesis, MEP-ECE]. School of Graduate Studies, Mapua Institute of Technology.

- Chang, A. B. (1998). *Synchronous digital hierarchy 2 megabits routing* [Master's Thesis, MEP-ECE]. School of Graduate Studies, Mapua Institute of Technology.
- Fausto, J. C. (1997). *Preliminary study on the field strength coverage of an AM* [Master's Thesis, MEP-ECE]. School of Graduate Studies, Mapua Institute of Technology.
- Flores, L. C. V. (1999). *Tester operations management system* [Master's Thesis, MEP-ECE]. School of Graduate Studies, Mapua Institute of Technology.
- Ibarra, J. B. G. (1998). *Control design of automated centrifugal basket using programmable logic controller* [Master's Thesis, MEP-ECE]. School of Graduate Studies, Mapua Institute of Technology.
- Juarizo, C. G. (2017). *IoT-Based End-to-End Monitoring of Logistics and Tracking of Truck Vehicles using Arduino Microcontroller* [Master's Thesis, MEP ECE]. School of Graduate Studies, Mapua University.
- Laguna, N. J. R. (2013). *A Solution to Increase the Production of Cap Oriented Tube in Manila Plastic Plant* [Master's Thesis, MEP-ECE]. School of Graduate Studies, Mapua Institute of Technology.
- Macasinag, R. A. (2015). *Faculty Attendance Monitoring with Fan and Light Activation using RFID* [Master's Thesis, MEP-ECE]. School of Graduate Studies, Mapua Institute of Technology.
- Martinez, E. N. J. (2015). *Hall-Effect Sensor based Three-Phase Current Monitoring System with Wi-Fi Data Logging for University of Nueva Caceres* [Master's Thesis, MEP-ECE]. School of Graduate Studies, Mapua Institute of Technology.
- Mejia, W. G. (1998). *Cell site design* [Master's Thesis, MEP-ECE]. School of Graduate Studies, Mapua Institute of Technology.
- Mortera, R. A. J. (1998). *Design of a compressed digital broadcast system for upgrading GMA-7's broadcast services* [Master's Thesis, MEP-ECE]. School of Graduate Studies, Mapua Institute of Technology.
- Nacino, D. G. (2016). *Temperature-Controlled Mushroom Space Using Gizduino-Based Microcontroller* [Master's Thesis, MEP-ECE]. School of Graduate Studies, Mapua Institute of Technology.
- Narvaez, J. M. N. (2014). *Design and Implementation of Vital Signs Simulator for Patient Monitor* [Master's Thesis, MEP-ECE]. School of Graduate Studies, Mapua Institute of Technology.
- Omar, D. M. J. (2017). *Design of a Short Messaging Service-Based Vehicle Tracking System Device Using Consumer-Grade Hardware Components* [Master's Thesis, MEP-ECE]. School of Graduate Studies, Mapua University.

Padillo, P. R. (1997). *Consideration in radio repeater site selection and installation* [Master's Thesis, MEP-ECE]. School of Graduate Studies, Mapua Institute of Technology.

Parapara, C. B. (1998). *Combined impedance network (CIN) diplexer: design, operation and maintenance* [Master's Thesis, MEP-ECE]. School of Graduate Studies, Mapua Institute of Technology.

Samaniego, L. A. (2018). *Restoration of the address system of Asia Pacific College with modified audio switching matrix for zoning* [Master's Thesis, MEP ECE]. School of Graduate Studies, Mapua University.

Sison, R. N. (1998). *On-board communications equipment for the lighthouse/buoy tender covered by the maritime safety improvement project under the Department of Transportation and Communications* [Master's Thesis, MEP-ECE]. School of Graduate Studies, Mapua Institute of Technology.

Tiamzon, J. A. S. (1997). *Broadcast FM antenna design system* [Master's Thesis, MEP-ECE]. School of Graduate Studies, Mapua Institute of Technology.

Yabut, F. (1998). *Modernization program of Philippine Navy communication system using international maritime satellite system (INMARSAT)* [Master's Thesis, MEP-ECE]. School of Graduate Studies, Mapua Institute of Technology.