



**LIST OF GRADUATE THESES
as of October 2020**

**Bachelor of Science in Computer Engineering and Master of Science
in Computer Engineering**

- Manalo, K. D. (2014). *Classification of myoelectric signals using multilayer perceptron neural network with back propagation prosthesis of the upper limb* [Master's Thesis, CCOE]. School of Graduate Studies, Mapua Institute of Technology.
- Noble, A. W. F. (2010). *Microcontroller-Based pulse rate and oxygen saturation monitoring system with write-mode function using infrared, red LEDs, and photodiode* [Design Report, CCOE]. School of Graduate Studies, Mapua Institute of Technology.
- Noble, A. W. F. (2010). *Wireless pulse rate and oxygen saturation monitoring system* [Master's Thesis, CCOE]. School of Graduate Studies, Mapua Institute of Technology.
- Ortiz, K. J. P. (2009). *Wireless blood pressure monitoring system using zigbee* [Design Report, CCOE]. School of Graduate Studies, Mapua Institute of Technology.
- Ortiz, K. J. P. (2010). *Programmable time-based wireless blood pressure and heart rate monitoring system* [Master's Thesis, CCOE]. School of Graduate Studies, Mapua Institute of Technology.
- Salazar, S. M. V. (2010). *Wireless feedback control of water tank using the flow sensor* [Design Report, CCOE]. School of Graduate Studies, Mapua Institute of Technology.
- Salazar, S. M. V. (2010). *Automated irrigation system using soil moisture sensors for gumbo crops in the Philippines* [Master's Thesis, CCOE]. School of Graduate Studies, Mapua Institute of Technology.
- Sanchez, J. L. (2014). *RFID based indoor navigation with obstacle detection based on A* algorithm for the visually impaired* [Master's Thesis, CCOE]. School of Graduate Studies, Mapua Institute of Technology.
- Virrey, R. A. (2010). *Rule-based fuzzy logic systems in evaluation of server temperature monitoring and controlling* [Master's Thesis, CCOE]. School of Graduate Studies, Mapua Institute of Technology.