

Faculty of Engineering & Technology

Microcontroller-based Systems

Information:

Course Code: EED321 Level: Undergraduate Course Hours: 3.00- Hours

Department: Computer & Intelligent Systems Engineering

Description:

Introduction to Microcontrollers and Embedded Systems; Microcontroller: Architecture, Programming Model, Instruction Set, Exception Handling, Interrupt Controller, Efficient Embedded Programming, Memory structure and Systems. Bus Interfaces, Integrated Circuit Interfacing, support chips. Data Converters. Application-level embedded system design concepts.