
Faculty of Engineering & Technology**Microcontroller-based Systems****Information :****Course Code :** EED321**Level :** Undergraduate**Course Hours :** 3.00- Hours**Department :** Biomedical 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.