PROFESSIONAL CERTIFICATE IN IR 4.0

MICROCONTROLLER/ EMBEDDED PROCESSOR SYSTEM

AWARDED BY UNIMY AND MALAYSIA ROBOTICS & AUTOMATION SOCIETY (MYRAS)
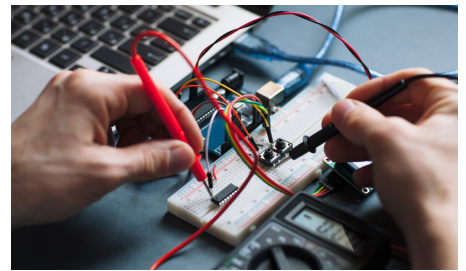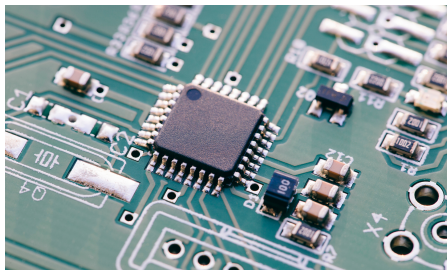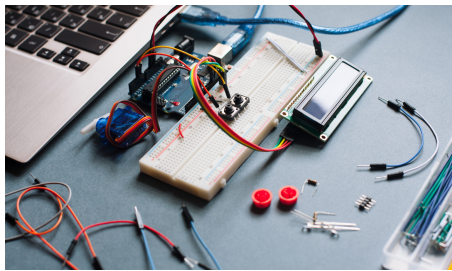
5 DAYS PROGRAMME | **TIME: 9 A.M. – 5 P.M.** | **DATES:11, 12, 17, 18 & 19 SEPTEMBER 2021**

Synopsis

This course extends students' knowledge of microprocessors by investigating embedded system design and state-of-the-art 32-bit embedded processors. Student will be familiarized with problems associated with producing hardware and software. This course has a strong emphasis on hardware/software development process.

Core Modules:

- Introduction of embedded processor system/microcontroller: numbers, computers, ARM Cortex M Processor
- Electronic components: Ohm's law (voltage, current, resistor). Digital Logic: transistor, flip flops and logic functions. Electronics Input and output system debugging
- Basic programming in MCU. Array, clocking, data structure
- Function of microcontroller: Basic Programming functions for input/output parts: switch, relay, toggle
- System design and development process
- Interfacing an external switches and LED: Arrays and Functional debugging
- Finite State Machine: Interfacing

Certifications:

~~RM5,000~~ **RM3,500**
up to 30% OFF
REGISTRATION IS OPEN, JOIN US DON'T MISS OUT!

IR. SYAIFUL ANAS BIN SUHAIMI
UNIMY, ENGINEERING LECTURER

Malaysia's Premier Digital Techonology University | Creating A Digital Nation

REGISTER NOW!
unidigit.unimy.edu.my
1-300-88-5008

FOR REGISTRATION & ENQUIRIES:
03-86897594
fatin.ramli@unimy.edu.my
UniDigit Bussiness Development

#CreatingADigitalNation
University Malaysia of Computer Science & Engineering (UNIMY)
Block 12, Star Central @ Cyberjaya,
Lingkaran Cyber Point Timur,
Cyber 12, 63000 Cyberjaya,Selangor