

Ola Mohamed Ahmed Mohamed

Education:

Faculty of Engineering, Benha University

Study in Communication and Electronics Department 2018-2023

Elective Courses:

- Full Embedded System Diploma
- Arduino
- Basic of Digital Design

Projects:

Embedded Systems Projects:

- Stopwatch using Atmega16.
- Controlling motor using input ADC value using PWM.
- Measure Duty Cycle using LCD and Timer1
- Door Locker Security System consists of two ECU's. The first ECU called HMI responsible for interfacing with the user and the second ECU called control ECU which is responsible for the system operations and control. In the project I implemented the following drivers Keypad, LCD, DC Motor, UART, Timer, I2C and External EEPROM.

Arduino Projects:

- Bluetooth Controlled RC car, controlled by smart phone application

Technical Skills:

Software:

- C Programming and C++
- Data structure
- Basics of Python and JAVA

Embedded systems:

- Atmega Microcontrollers

- Fundamentals of Embedded systems
- Real time Operating system (RTOS)
- C for Embedded Applications (Embedded C)
- Software Engineering

Simulation Tools:

- Proteus

Activities:

- Vice Head Robotics team in IEEE shoubra,2020
- Secretary of IEEE shoubra ,2021
- Head of social media in the team ,2020

Personal Skills:

Accurate, Hard-working, Adaptable, Confident and Responsible

Personal Information:

Gender: Female

Phone :01007270349 – 01281245271

E-mail: olametwalt3@gmail.com