

Mostafa Mahmoud Elsehanwy

Mobile: +201022482426

Email: elshenawymostafa156@gmail.com

Education

2020 – 2024

Bachelor of Mechatronics Technology

College of Industrial and Energy Technology

Delta Technological University, Qwisna, Menofia, Egypt

- Excellent With Honor(89.25%)
- Graduation Project: Multi Tasking Robot Arm (Excellent)

Relevant projects

2020

- **Arduino Radar System.**

The Arduino Radar System uses an ultrasonic sensor mounted on a servo motor to detect distances and display the positions of detected objects on a radar-like interface. This enables real-time monitoring of objects and their distances from the sensor.

2021

- **Smart Elevator**

An Arduino-based elevator system uses sensors and a microcontroller to control the movement between floors, ensuring precise stopping and efficient operation. It can also be programmed to include features like automatic door control and safety mechanisms.

2022

- **Smart Plastic & Metal Recycling**

An Arduino-based smart recycling system automates the sorting of plastic and metal waste using sensors and actuators, improving recycling efficiency and accuracy. The system can identify materials and direct them into appropriate bins for processing.

2023

- **Robot Arm & Conveyor**

An Arduino-controlled robotic arm and conveyor system automates the handling and transportation of items on a production line. The arm can pick, place, move objects along the conveyor based on programmed instructions, and the control system from mobile application to control in robot and conveyor.

2024

- **Automation Remote Control Car with Arm**

An Arduino-based remote control car with an integrated robotic arm allows for automated manipulation and control of objects while driving. The system combines vehicle mobility with precise arm movements, enabling versatile tasks and operations.

Work Experience

Summer 2024

Intern , Information Technology institute (ITI), Egypt

- Learn about Digital Fabrication Track
- Learn about CNC Laser cutting machine
- Learn about 3D Printing and Different Types of 3D Printers
- Learn about Manufacturing Processes

Summer 2023

Intern , Elaraby Group , "Quesna " , Egypt

- Learn the basics of electricity and classic control
- Learn about sensors and how to maintain them
- Learn about Industry Best Practices and method assembly Geyser
- Learn about robot arm and program

Summer 2022

Intern , Banha Electronic Industries Company "BENHA_ Qalyubia"

- Learn about Microcontroller concept and programing language suitable
- Learn about CNC machine and knowledge types such as Turning, milling

Courses	- PLC , Classic control and Drivers and sensors (HA Consulting Group)	2024
	- Project Management From Google (Coursera)	2023
	- Robotic Course From Coursera	2023
	- SolidWORKs Course (EGNOVATION COMPANY)	2023

Skills

Technical skills , Classic control , PLC programming, SCADA , HMI , CNC , Solid Works , AutoCAD , ArtCAM.

Software Skills , C , C++ , Python

Computer Skills, Microsoft Office

Language Skills , Arabic Mother Tongue and Very Good in English (Written & Speaking)

Personal Information

-
- Date of Birth: 14 / 9 / 2002
 - Marital Status: Single