

## Curriculum Vitae (CV)

Ahmed Sedky Mohamed Elsayed



### Personal Information:

Academic Rank:

Department: Mechanical Engineering

Specialization: Mechatronics

Position: Assistant Lecturer

Google Scholar: <https://scholar.google.com/citations?user=vkNwcYwAAAAJ&hl=ar>

Research Gate: [https://www.researchgate.net/profile/Ahmed-Sedky-3?ev=hdr\\_xprf](https://www.researchgate.net/profile/Ahmed-Sedky-3?ev=hdr_xprf)

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## Higher Technological Institute Education:



10th of Ramadan City

Degree	Discipline	Institution	Year
Ph.D.			
M.Sc.	MECHATRONICS	BENHA	2024
B.Sc.	MECHATRONICS	BENHA	2020

### Academic Experience:

**Institution:** Higher Technological Institute

**Dates:** 2022 - Now

### Research interests:

**Robotics, Mechatronics, Control Systems**

### Publications:

#### **"Trajectory Verification and Control of 5R Spherical Parallel Mechanism for Neurosurgeries"**

The 5th IEEE Novel Intelligent and Leading Emerging Sciences Conference 2023

Authors: Mr. Ahmed Sedky\*, Dr. Nader A. Mansour, Prof. Ahmed El-Assal, Dr. Mahmoud Magdy

#### **"Full Study, Model Verification, and Control of a Five Degrees of Freedom Hybrid Robotic-Assisted System for Neurosurgery"**

*The International Journal of Medical Robotics and Computer Assisted Surgery, Wiley*

Authors: Mr. Ahmed Sedky\*, Dr. Nader A. Mansour, Prof. Ahmed El-Assal, Dr. Mahmoud Magdy

#### **"Prototyping and Real-Time PID Control of a 5 DOF Hybrid Robotic-Assisted System for Neurosurgery"**

*Journal of Mechanical Science and Technology, Springer*

Authors: Mr. Ahmed Sedky\*, Mr. Amr Marzuq, Dr. Nader A. Mansour, Prof. Ahmed El-Assal, Dr. Mahmoud Magdy

### Teaching Experience:

**Teaching Assistant, Higher Technological Institute 10th of Ramadan**

- Delivered courses in Robotics, Automatic Control, Electronics, Embedded Systems, and Actuators Lab to over 100 undergraduate students per semester.