

1. Name: Mohamed Ahmed Hussein Ali, , Assistant Professor, Department of Computer Science, Higher Institute of Computer and Information Technology Elshorouk Academy.

2. Degrees:

- (BSc), Electrical Engineering - Computer Department, Military Technical Collage, Cairo, Egypt. 1982-1987.
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- (MSc) "A Pattern Recognition Model and its applications" Computer Department, Military Technical Collage, Cairo, Egypt. 1989-1991.
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- (PhD) "Automatic Registration of Visible-band and SAR satellite and Aerial Images", System Design Engineering, University of Waterloo, Ontario, Canada. 2000-2003,

3. Years of Service on Faculty: 21

- 2003 - present Assistant Professor.

4. Other Experience:

- (1987-2016) Military Technical college and Air force research and development Department.
- (2016- present) Head of scientific Research and post graduate department Higher institute of Computers and Information Technology, Alshorouk Academy. (HICIT).
- (2014-2016) Vice Chairman of Air Force Aviation Research and Development Department.
- (2012-2016) Member of the Board of Directors of the Aviation Research Center (ARC), the Arab Organization of Industrialization (AOI).
- (2012-2014) Chairman of Design and Planning researches, Aviation Research Center (ARC), The Arab Organization of Industrialization (AOI).
- (2012-2014) Chairman of Information Technology Department, Aviation Research Center (ARC), The Arab Organization of Industrialization (AOI).
- (2003-2012) Chairman of Computer Research and Information Technology Department, Air Force Aviation Research and Development Department.
- (2000-2003) Receiving my Phd at University of Waterloo, Ontario, Canada.
- (2000-2003) Research Assistant, System Design Engineering Department, Engineering College, University of Waterloo, Ontario, Canada.
- (1993-2000) Chairman of Simulation and Information Technology Department of Air Force Aviation Research and Development Center.
- (1991-1993) Researcher, Air Force Aviation Research and Development Center.
- (1989-1991) Teaching Assistant, Computer department, Military Technical Collage (MTC).
- (1987-1989) Teaching Assistant, Computer department, Egyptian Air Force Academy.

5. Consulting Activities (selected)

- Participation within the work team of Higher Institute of Computer and Information Technology at Elshorouk Academy, in the National Alliance for Knowledge and Technology in the field of space (manufacturing an experimental satellite for advanced technologies) between the National Authority for Remote Sensing and Space Sciences and the Higher Institute of Computer and Information

Technology at Elshorouk Academy, with funding from the Academy of Scientific Research and Technology in Egypt (2020 – 2023).

- Image processing (Fusion of satellite images of different sources).
- Air data protocols (Data and Video Transmission).
- Information Technology.
- Computer Networking .
- Data and voice Encryption.
- INS and GPS Integration.
- GIS development.
- Design computer simulators.
- Design Mission Planning systems.
- Design Command and control systems.
- Mission data recording.

6. States in which registered:

- Cairo, Egypt.

7. Principal publications of last 5 years (selected):

- 1- “An intelligent Embedded System using Natural Language Processing for Deaf people, Journal of the ACS, Volume 15 (2024
- 2-”A Real-Time Anomaly Detection in Satellite Telemetry Data Using Artificial Intelligence Techniques Depending on Time-Series Analysis”, Journal of the ACS, Vol. 14, June 2023
- 3-“ A Region Growing controlled by Edge Map technique (RGCE) for Automatic Registration of Satellite Images”, Journal of the ACS, Vol. 10, May 2019
- 4-“ Face Recognition Block Based Statistical DCT and texture”, Journal of the ACS, Vol. 10, May 2019

8. Scientific and professional societies of which a member

- Egyptian Engineers Syndicate, and Egyptian Society of Engineers.
- Elsevier reviewer.
- Egyptian Space Agency (Consultant).

9. Honors and awards:

- The ideal teaching professor at the Higher Institute of Computer and Information Technology at Elshorouk Academy for the academic year 2021-2022
- Best projects (Two projects) in the “Projects competition among faculties of computer science and computer engineering”(2022)

10. Institutional & professional service in last 5 years:

- Head of Scientific Research and post graduate Department, Higher Institute of Computer and Information Technology, Elshorouk Academy (2017 - present).
- Member of the Exams Control Committee, Higher Institute of Computer and Information Technology, Elshorouk Academy (2018 - present).
- Main Coordinator of Quality Assurance, Department of computer Science, Higher Institute of Computer and Information Technology, Elshorouk Academy (2016 - present).

11. Professional Development Activities in the last 5 years:

- Attending many meetings, events, and conferences related to the field of computer science and computer engineering. (2019 – present).
- Developed a nurse robot of Hospital assistance.
- Developed a Loopy Hotel assistance.
- Developed a Glasses for assisting Deaf people.
- Attending many trainings in the field of education quality (Specification of programs and courses and evaluation of learning outcomes for colleges and institutes of higher education - Self-evaluation of colleges and institutes of higher education - Preparing Course Specifications) at the National Authority for Quality Assurance and Accreditation of Education (NAQAA), Cairo, Egypt (2021 – 2023) and the administrative field (Leadership skills, and Credit Hours System) at Higher Institute of Computers and Information Technology (2021 – 2023).