



Mahmoud Abdelsattar Mohammed

Assistant Lecturer,
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About Me

I am assistant lecturer at Information Technology department, faculty of Computers and Information, Assiut university, Egypt. I got the Bachelor of Science in Computers and Information and the Master of Information Technology in 2012 and 2020, respectively. I am Egyptian and I was born in 1991. My study and research majors are Information Technology, Computer Networks, Internet of Things (IoT), Cyber and Systems Security, Human Computer Interaction (HCI), and Distributed Machine Learning (DML) and Federated Learning (FL).

Languages

- Arabic ●●●●●
- English ●●●●●

Working Experience

- 2020-currently **Assistant Lecturer** Assiut University
Assistant Lecturer at the department of Information Technology, faculty of Computers and Information with the responsibilities of teaching practical and Lab sections, monitoring the assessment of students, supervising of students graduation projects, and performing some quality assurance duties.
- 2012-2020 **Teaching Assistant** Assiut University
Teaching Assistant at the department of Information Technology, faculty of Computers and Information with the responsibilities of teaching practical and Lab sections, monitoring the assessment of students, supervising of students graduation projects, and performing some quality assurance duties.

Education

- 2014 - 2020 **Master of Information Technology** Assiut University
Master Theses
An efficient access technique for Machine to Machine communication in LTE networks
- 2008 - 2012 **Bachelor of Computers & Information Technology** Assiut University
Excellent (85.6%), with Honor Rank. First place in Department.

Publications

- 2020 **Mahmoud Abd El-sattar, Nagwa M. Omar and Hosny M. Ibrahim, "Distributed List Hub Polling and Light Robust Super-Poll MAC Protocols for WLAN", Applied Mathematics and Information Sciences, vol 14, no. 5, pp. 1-17, 1 Sep. 2020.**
- 2015 **Ali H. Ahmed, Mahmoud Afifi, Mostafa Korashy, Ebram K. William, Mahmoud Abd El-sattar, Zenab Hafez, OCR System for Poor Quality Images Using Chain-Code Representation, Advances in Intelligent Systems and Computing, Springer, Vol 407, 151-161, 2015.**

Research Interest

- Computer Networking.
- Network Security.
- Computer and Internet Forensics.
- Internet of Things.
- Access Protocols.
- Computer Vision.
- Machine to Machine Communication.
- Human Computer Interaction (HCI)
- Distributed Machine Learning (DML) and Federated Learning (FL)

Training and Workshops

- 2020 Neural Networks and Deep Learning online course at coursera.
- 2019 CISCO Academy' Instructor Training.
- 2018 DAAD Bio-Dialogue workshop
- 2016 IBM training on Essentials of Cloud Application Development on IBM Bluemix.
- 2015 Mobile Application Development with IBM Worklight Foundation V6.2 (University certificate)

Teaching

1. Teaching the practical / exercise labs of the following courses:

- Information Technology Fundamentals.
- Computer Networks.
- Network Management.
- Data Transmission.
- Programming Fundamentals.
- Object Oriented Programming.
- Visual Programming.
- Data Structures.
- Artificial Intelligence Fundamentals.
- Image Processing Fundamentals

2. Co-supervisor on graduation projects, as samples:

- Driver Alert System using mobile camera.
- FCI tube (like you tube but not allow uploading the same movie more than one time and include video summary)
- Car detection system using single camera.
- Diabetes detection from an iris image using deep learning.
- Indoor security robot.

3. Teacher Assistant and Co-Organizer for the Faculty students summer training, as samples:

- Mobile Application Development with IBM Worklight Foundation V6.2.

Certifications

2020	Neural Networks and Deep Learning from coursera.
2019	CISCO Academy' Instructor Certificate.
2018	DAAD Bio-Dialogue workshop participating Certificate
2016	Essentials of Cloud Application Development on IBM Bluemix.
2015	Mobile Application Development with IBM Worklight Foundation V6.2 (University certificate)

Honors and Awards

2015	IBM Award as Mobile Computing Program Instructor	Faculty summer training
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Skills

Network Simulators: NS3 and CISCO Packet Tracer.

Programming Languages: C, C++, java, C#, Python, and Matlab.

Web Development: HTML, CSS, JavaScript, and PHP.

Database: MYSQL, MS-SQL, SQLite, and H2.

Text editing: Microsoft Office and Latex.