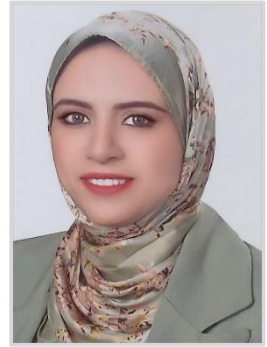


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Personal Profile

Assistant professor at Electronics and Communication Department - Faculty of Engineering – Horus University-Egypt.

Director of Electronic-Services and Scientific Innovation unit (ESSIU), Faculty of engineering, Horus University (HUE), Egypt.

Deputy Director of the Electronic-Services and Scientific Innovation Center (ESSIC), Horus University (HUE), Egypt.

Deputy Director of the Alumni Unit (EAU), Faculty of engineering, Horus University (HUE), Egypt.

Member of Scientific Research Group in Egypt –Prof. Dr. Abualella Hussanien.

Member of the Organizing Committee for the Scientific Conference of the Faculty of Engineering, Horus University.

Lecturer and researcher with 5+ years of experience teaching courses. Published 4 articles in international peer-reviewed journals.

Web developer with 5+ years of experience web development and electronic learning development.

Complete understanding of the web development process (design, development, and deployment), as well as excellent knowledge of browser rendering and code optimization.

Education

2021 **PH. D of philosophy in Electrical engineering, Computer and Control Department**, Faculty of Engineering, Port Said University.

Efficient Energy Consumption and Error Reduction Systems in Internet of Things.

2014 **M. Sc. of philosophy in Electrical engineering, Computer and Control Department**, Faculty of Engineering, Port Said University.

Face Recognition as an Authentication Technique in Electronic Voting.

2007 **B.Sc. in Electrical engineering, Computer and Control Department**, Faculty of Engineering, Suez Canal University.

B.Sc. Project in Desktop Grid Computing

List of Publications

Kamel K. Mohammed, Eman I. Abd El-Latif, **Noha Emad El-Sayad**, Ashraf Darwish, Aboul Ella Hassanien, Radio frequency fingerprint-based drone identification and classification using Mel spectrograms and pre-trained YAMNet neural, Internet of Things, Volume 23, 2023, 100879, ISSN 2542-6605, DOI: [10.1016/j.iot.2023.100879](https://doi.org/10.1016/j.iot.2023.100879).

Rabab F. Abdel-Kader, **Noha E. El-Sayad**, Rawya Y. Rizk, "Efficient Energy and Completion Time for Dependent Task Computation Offloading Algorithm in Industry 4.0," PLOS ONE, vol. 16, no. 6., 2021. DOI: [10.1371/journal.pone.0252756](https://doi.org/10.1371/journal.pone.0252756)

Rabab F. Abdel-Kader, **Noha E. El-Sayad**, Rawya Y. Rizk, "Efficient Noise Reduction System in Industrial IoT Data Streams," International Conference on Advanced Intelligent Systems and Informatics AISI2021.

DOI: [10.1007/978-3-030-89701-7_20](https://doi.org/10.1007/978-3-030-89701-7_20)

N. el-sayad, R. Abdel-Kader, and M. Marie, "Face Recognition as an Authentication Technique in Electronic Voting," (IJACSA) International Journal of Advanced Computer Science and Applications, Vol. 4 No. 5, May 2013.

DOI: [10.14569/IJACSA.2013.040610](https://doi.org/10.14569/IJACSA.2013.040610)

Eman I. Abd El-Latif, **Noha Emad El-Sayad**, Kamel K. Mohammed, Ashraf Darwish, and Aboul Ella Hassanien, "VGGish transfer learning model for the efficient detection of payload weight of drones using Mel-spectrogram analysis.", **Under Review and Publication.**

Employment and Experience

2022- until now

Assistant professor at Mechatronics department - Faculty of Engineering – Horus University - Egypt.

Assistant professor at electronics and communication department - Higher Institute of Engineering in Manzala (Part Time).

2019-2021

Web developer at Port Said University's electronic learning center, which is part of the university's information and communication technology Center.

2016-2019

Web developer at Port Said University's portal web development Centre, which is part of the university's information and communication technology center.

2018

Instructor for a workshop on "How to Create an Account on Google Scholar and Research Gate, as well as How to Manage Your Academic Website."

Presented to all members of the university's faculties.

2012-2015

IT engineer at High Institute of Management and Computer Technology of Port Said University.

2012

Instructor for the Sap 2000 course at the Port Said branch of the Arab Academy for Science, Technology, and Maritime Transport.

2011

Instructor for Computer Maintenance, Information Technology, basic of computer and network courses at IT Gate academy.

2010

Instructor for the CCNA course at Syndicate of Port Said engineers.

2008-2015

Instructor for courses of ICDL, MATLAB, visual basic 6, Primavera P6, and sap 2000 at AXON Academy.

Certified

- Certified in Writing A Research Paper from Nature Research Academies and STDF.
- Certified in Research Methodology from Nature Research Academies and STDF.
- Certified in Web development Track from Egypt FWD, Itida, and Udacity Initiative.
- Certified in Back-End Development from EYouth Learning.
- Certified in "أخلاقيات البحث العلمي" Training program from FLDC at Port Said University.
- Certified in "استخدام التكنولوجيا في التدريس" Training program from FLDC at Port Said University.

Workshops and Conference

- Participated and supported as technical Session Chair in the International Telecommunication conference (**ITC-Egypt 2023**) in Air defense college.
- Participated and awarded **first** place in **PSED** Competition as a member of ESSIC project of faculty of Engineering, Horus University – Egypt.
- Participated as a researcher A (PHD holder) for STDF Project.
- Participated and Delivered the main talk of the Training Course about "Artificial Intelligence in Education" By **faculty of Engineering, Horus University- Egypt to Mansoura College Schools Staff.**
- Participated as one of the members of the **graduation projects discussion committees**, Faculty of Engineering, Horus University – Egypt.
- Participated and Delivered the main talk of the Webinar about "Sustainable Artificial Intelligence." By **SRGE.**
- Participated and Delivered the main talk of the Webinar about "ChatGPT" By **SRGE.**
- Participated of the Webinar about "Artificial Intelligence in Drug Discovery." By **SRGE.**

Courses Taught

- Programming language (C, C++, Java)
- Microprocessor and application
- Microcontroller
- Digital Logic Circuits
- Computer Organization and Architecture
- Computer Peripherals Devices
- Artificial Intelligence
- Computer Networks
- Software Engineering

Key Skills

- Computer Systems, Data systems and Information technology.
- Computer Organization and Architecture.
- Microprocessor and MicroController.
- Network fundamental, CCNA course, IoT and Industry 4.0.
- Logic circuit, and Automatic Control.
- Computer Programming languages "MATLAB, Visual Basic, C/C++, C#, HTML, CSS".
- Joomla and WordPress Website Development
- Moodle Learning Platform Development
- 3D-Max, Primavera P6, Sap2000, Photoshop CS 6.
- UX Research and Design
- Computer Maintenance A+ Level (1, 2)
- Microsoft office (Excel, PowerPoint, Word, outlook)