

Heba Youssef Soliman

hebayms@eng.psu.edu.eg, hebayms1@yahoo.com
<https://www.linkedin.com/in/heba-youssef-soliman-phd-486a8921/>

Tel: +20 (0)1141144004, +20(0)663757626

Experience:

1- Port Said University.

Training Manager.

Feb. 2025-Now.

- Develops training plans for all university affiliates — including faculty members, administrative staff, and students — in alignment with the university's vision and strategic plan.

Director of University Center for Career Development, UCCD.

Jan. 2024-Now.

- Provides insight into strategic planning, leadership and implementation of processes related to comprehensive career services.
- Focuses on assisting students in planning and exploring their future careers, in addition to obtaining job search tools and seeking professional opportunities and finding suitable job opportunities.
- Leads and supervise the staff of the Center to ensure the implementation of the office's strategy and plans.
- Strengthens relationships and partnerships with a wide base of employers, university bodies, and the student community and keep them aware of labor market trends, industry and employment needs in addition to informing them of information about graduate employment and expectations about future appointments from employers.
- Facilitates continuous strategic planning to ensure quality, continuous improvements, efficiency and effectiveness of services, as well as enhancing planning and decision-making based on internal data

Consultant of the University Ranking Committee.

May 2024-Now.

- Offers technical support to the committee members.

Coordinator of the University Ranking Committee.

June 2023-May 2024

- Coordinated the efforts of the ranking team based on the plans set and the announced timings of the different rankings.

Coordinator of the Sustainability Committee, Port Said University.

June 2021- Now.

- Collects the data necessary for the preparation of sustainable development reports from the committee members and prepares the reports.

Director of Entrepreneurship, Innovation and Sustainability Unit.

August 2018- 2023.

- Worked to spread awareness of the principles of entrepreneurship and organize meetings of students of the Faculty of Engineering with experts in entrepreneurship and innovation.

Vice manager of the Quality and Accreditation unit.

January 2020- 2022.

- Carried out the tasks entrusted from the director of the unit and organize the work of the various teams.

Professor, Electrical Engineering Department.

- Teaches electromagnetics, microwave engineering, antennas theory and applications, electromagnetic wave propagation, Signal processing and digital communication systems for about fifteen years.
- Teaches Thinking skills development depending on the Sustainable Development Goals SDGs.
- Research interests include wireless channel modelling, antenna design and analysis, Artificial Intelligence AI applications in medical systems and intelligent transportation. Published several research papers in peer reviewed international journals with ISI impact factor and has participated in some national and international conferences. Work as a supervisor for many MSc and PhD students.
- **A member in some research projects.**
 - Smart Solar Driven Desalination System for Maximizing Water Productivity under Climate Change using Artificial Intelligence, Funded by STDF, 2023.
 - A Novel Partially Floating Photo-voltaic Integrated with Smart Energy Storage and Management System for Egyptian North Lakes, in co-operation with University of Strathclyde, Funded by STDF, 2021.
 - Geometric Algebra based Electromagnetic waves simulator, funded by the ministry of communication (ITIDA-ITAC), 2018.

2- Academy of Scientific research and Technology, ASRT.

General Supervisor of National Scientific Networks, ASRT.

Feb. 2024-Nov.2024.

- Coordinated the work of national scientific networks with the Academy of Scientific Research, followed up on technical and financial reports, and followed up the implementation of activities in accordance with the contracts.

JESOUR Program Supervisor.

Jan.2024- Nov.2024.

- Followed up the outputs of the projects under the umbrella of JESOUR Program.
- Prepared follow-up reports for JESOUR to identify strengths and research areas in which significant achievements have been made.

Member of the Technical Committee for Electronics, Communications, and Information Technology.

2023-Now.

- Referees and follows up the research projects submitted to the Academy in the field of electronics, communications, and information technology.

Member in National committee for Sustainability and Governance.

June 2021- Now.

- Participates in the preparation of a ranking model of Egyptian and Arab universities according to the sustainable development goals.

3- Port Said Governorate.

Scientific Advisor for Port Said Governorate.

2024-Now.

- Coordinates the scientific tasks between the governorate and ASRT.

Coordinator of the National Initiative for Smart Green Projects.

2022.

- Point of contact with the Ministry of Planning and Economic Development.

- Supervised the media mechanism about the initiative.
- Coordinated the work of the technical committees and arbitration committees of the initiative.

4- Ministry of Culture, State Award for Young Creator. 2021-2023, 2025.
 - Chair of the Jury of Scientific Innovations.

5- IEEE
IEEE Senior member. 2022-Now.
Ambassador of IEEE Region 8 Entrepreneurship initiative. October 2020-2022.

6- AASTMT
Worked according to the Pearson higher education standards to the TVET students. 2016-2019.

7- NAQAAE
Member of the technical committee. 2023-2024.

8- National Council for Women.
Member of the Political Participation Committee. 2025-Now.
Member in Port Said branch. 2022-Now.

9- Future of Nation Party.
Training and Knowledge officer, Port Said Governorate. 2022-Now.
 - Prepares and organizes training and educational programs for party cadres in accordance with the vision and plan of the party.
 - Cooperates with other specific secretariats in the preparation and presentation of their training programs.

Honors and professional memberships:

- Member of the International Council for small Business, ICSB. **March 2020-Now.**
- Member of Innovative governance of large urban systems, IGLUS society. **Dec. 2018-Now.**
- Best presentation, International Conference of Computers and Communication Systems, ICCCS, Krakov, Poland. **June 2017.**
- Member in WISWB. **2023-Now.**

Education:

Certified Professional Manager, ICPM, James Madison University, USA. July 2025.

Training in Smart Cities Research Center, UAB. July 2018.
 A training and a research technical report in Connected Vehicles Cloud Computing for Smart Cities.

Ph.D. in Electrical Engineering, Port Said University, Egypt. October 2010.
 “Utilization of a Smart Antenna System for Efficient Signal Detection in Multi-user Environment”.

M.Sc. in Electrical Engineering, Suez Canal University.
“Positioning of DS-CDMA cellular mobile phones”.

May 2004.

B.Sc. in Electronics and Communications Engineering,
Suez Canal University (Excellent with honors:92%).

May 1999.

Capacity Building:

- Certified Professional Trainer CPT, American Chamber of Commerce. **2024.**
- Entrepreneurship Facilitator, School of Business, AUC. **2024.**
- Stanford Specialization of AI for medical Systems. **2022.**
- Nominating for leadership positions at the university, FLDC. **2022.**
- Artificial Intelligence Analyst from IBM Skills Academy. **2020.**
- Management of scientific research reference systems, FLDC. **2020.**
- Preparing local and international competitive research projects, FLDC. **2020.**
- Disseminating integrity, transparency and anti-corruption, FLDC. **2020.**
- International publishing of scientific research, FLDC. **2020.**
- Crisis and disaster management, FLDC. **2020.**
- Electronic tests, FLDC. **2020.**
- Practical teaching with technology, University of London. **2020.**
- Introduction to deep Learning, Mahara Tech, ITI platform. **2020.**
- IoT and Embedded system: University of California, Irvine. **2020.**
- Mini MBA in Entrepreneurship, by Almentor. **2020.**
- General course on intellectual property for Egypt, WIPO. **2020.**
- Teaching and Learning methodologies, NAQAEE. **2020.**
- University Management. **2017.**
- Credit Hours System. **2017.**
- Research Team Management, FLDC. **2014.**
- Strategic Planning, FLDC. **2013.**
- Student Evaluation and Examination Techniques. **2013.**
- Oracle Web Administration Course by ORACLE. **2007.**
- NTI training course in the 3G mobile cellular systems. **2003.**

Skills:

- **Computer skills:** Microwave Studio (CST), NEWFASANT, SUMO, MATLAB and Python.
- **Online teaching and learning:** A professional experience in dealing with different Virtual Learning Environments VLE.
- **Languages:** Arabic (Mother tongue) and English (Excellent).

