

Curriculum Vitae (CV)

Taghreed Said Abdou Metwally



Personal Information:

Academic Rank: Lecturer

Department: Electrical Engineering

Specialization: Electrical Power engineering

Position: Lecturer

Google Scholar: [Taghreed Said - Google Scholar](#)

Research Gate: [Taghreed Said \(researchgate.net\)](#)

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Degree	Discipline	Institution	Year
Ph.D.	Electrical Power	Zagazig university	2008
M.Sc.	Electrical Power	Zagazig university	2014
B.Sc.	Electrical Power & Machine	Zagazig university	2019

Academic Experience:

Institution: Higher Technological Institute

Rank: Lecturer

Dates: 2019

Institution: Higher Technological Institute

Rank: Research Assistant (PhD student)

Dates: 2014

Institution: Higher Technological Institute

Rank: Teaching Assistant

Dates: 2009

- Electric fields
- Power system optimization
- Renewable energy
- Artificial Intelligence applications in power system

Publications:

- Particle Swarm Optimization and Genetic Algorithm for Convex and Non-Convex Economic Dispatch.
- Numerical Investigation of the Optimal Characteristics of a Transverse Layer of Dielectric Barrier in a Non-uniform Electric Field.
- Moth-Flame Algorithm for Accurate Simulation of a Non-Uniform Electric Field in the Presence of Dielectric Barrier.
- Integrated MFFNN-MVO approach for PV solar power forecasting considering thermal effects and environmental conditions.
- PV solar power forecasting based on hybrid MFFNN-ALO

Certifications or Professional Registrations:

- Power system distribution diploma.
- PV system design
- Description of programs and courses and evaluation of learning outcomes for higher education colleges and institutes.
- Teaching strategies and effective learning for higher education colleges and institutes.
- Examination systems and student evaluation of higher education colleges and institutes .
- Concepts of ensuring the quality of education and accreditation for academic leaders in higher education colleges and institutes.
- International publishing and non-quotes.
- PLC course in Technical Institute for Advanced Industries of the Ministry of Military Production.
- International Computer Driving License (ICDL).
- AUTO CAD
- Mat Lab

Teaching Experience:

Courses taught

- Principles of Electric Machines
- Electromagnetic Fields (1)
- Electromagnetic Fields (2)
- Electrical Machines
- Computer Skills
- Analog Control Systems
- Digital Control Systems
- Advanced Programming (1)
- Electrical Eng. Lab (1)
- Electronic Lab. (2)