

**1. Name: Ahmed Mohamed Abd-Elbasset** , Assistant Professor, Department of Electrical Power and Machines Engineering, Higher Institute of Engineering, Elshorouk Academy.

**2. Degrees:**

- B.S. (Electrical Power and Machines Engineering) Higher Institute of Engineering, Elshorouk Academy, Elshorouk City, Cairo, Egypt, 2007.
- M.S. (Electrical Power and Machines Engineering) Cairo University, Egypt, 2015.
- Ph.D. (Electrical Power and Machines Engineering) Cairo University, Egypt, 2020.

**3. Years of Service on Faculty: 16**

- 07/2020 - present Assistant Professor.

**4. Other Experience:**

- 06/2018 – 6/2023: Worked Technical Office Engineer at Tronics Egypt Company (Integrated Solution Systems) Cairo, Egypt.

**5. Consulting Activities (selected)**

- 9/2018 – 7/2020: Follow up the study of prices and business projects for electric power and light current.
- The implementation of the electrical works for low and medium voltage (2019).
- Technical office engineer and Designer engineer for some projects of electric and light current (2018-Present).

**6. States in which registered:**

- Cairo, Egypt.

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

- **Ahmed Mohamed abdelbaset**, AboulFotouh A. Mohamed , Essam Abou El-Zahab, M. A. Moustafa Hassan “Recloser-Fuse settings in Distribution Systems with Optimizing Multiple Distributed Generation considering Technical Aspects,” Indonesian Journal of Electrical Engineering and Computer Science (IJEECS),vol.17, no.3, pp.1135-1149, 2020.
- Mahmoud A. El-Dabah, Ragab A. El-Sehiemy, **Ahmed A. Elbaset** “An improved RCGA for Parameter extraction of three-diode PV model” 23rd International Middle East Power Systems Conference (MEPCON), Kafrelsheikh University, Egypt, December 13-15, 2022.
- Raghdaa Elbahy, **Ahmed Abdelbaset**, Mahmoud Hammoda, Mansour H. Abdel-Rahman, Ebrahim A. Badran, "Black Box modeling of HVCB using ATP draw" 24th International Middle East Power Systems Conference (MEPCON), Faculty of Engineering, Mansoura University, Mansoura City, El-Dakahlia , Egypt (2023).
- Raghdaa Elbahy, **Ahmed Abdelbaset**, Mahmoud Hammoda, Mansour H. Abdel-Rahman, Ebrahim A. Badran, "Black Box modeling of HVCB: A Comparative Approach" Mansoura Engineering Journal 49 (4), 15, 2024.

**8. Scientific and professional societies of which a member**

- Egyptian Engineers Syndicate, and Egyptian Society of Engineers.

**9. Honors and awards:**

**10. Institutional & professional service in last 5 years:**

- Program and courses Description Committee.
- Head of program Alumni Committee.

- Member of the Control Committee.
- Laboratory Maintenance Committee.
- Quality assurance Committee.

**11. Professional Development Activities in the last 5 years:**

- Attending many meetings, events, and conferences related to the field of Electrical Power and Machines Engineering (2015-Present)
- Participating in numerous 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) and the administrative field (Leadership skills, and Credit Hours System) at Developing the Capabilities of Faculty Members and Leaders Center, Cairo University, Giza, Egypt (2021 – 2022)