

Nada Youssef Ahmed Hassan Ahmed

Assistant Lecturer in Mechanical Engineering

Arab Academy for Science, Technology and Maritime Transport (AASTMT)

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PROFESSIONAL SUMMARY

Mechanical Engineering academic and researcher with expertise in energy sustainability, building energy performance, indoor air quality (IAQ), thermal comfort, and near zero energy buildings (nZEB). Holds a PhD from the University of Valladolid and MSc/BSc degrees in Mechanical Engineering from AASTMT. Proficient in DesignBuilder and MATLAB.

ACADEMIC APPOINTMENT

Assistant Lecturer, Mechanical Engineering

Sep 2014 - Present

Arab Academy for Science, Technology and Maritime Transport (AASTMT)

- Support teaching, laboratory activities, and student projects within the Mechanical Engineering program.
- Contribute to academic and research activities related to sustainable buildings, energy performance, and indoor environmental quality.

EDUCATION

PhD, University of Valladolid

2025

Thesis: Energy Sustainability and Indoor Air Quality (IAQ) for Health and Thermal Comfort in Two Campus Classroom Buildings: A Standard Building and a Near Zero Energy Building (nZEB).

Master of Science in Mechanical Engineering, AASTMT

Jan 2018

Bachelor of Science in Mechanical Engineering, AASTMT

Jul 2014

RESEARCH INTERESTS AND TECHNICAL SKILLS

Key areas

- Energy sustainability
- Building energy performance
- Indoor air quality (IAQ) and thermal comfort
- Near zero energy buildings (nZEB)
- Renewable energy applications

Tools

- DesignBuilder
- MATLAB

ACADEMIC PROFILE

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