



AHMED MOHAMED

TEACHING ASSISTANT

CONTACT

- +201022489552
- Ahmedkhair@aast.edu
- El Sadat Road . Aswan

EDUCATION

2017 - 2024

ARAB ACADEMY FOR SCIENCE,
TECHNOLOGY AND MARITIME
TRANSPORT

- Master of Science in
Construction Engineering

2011 - 2016

ARAB ACADEMY FOR SCIENCE,
TECHNOLOGY AND MARITIME
TRANSPORT

- Bachelor of Engineering
- GPA: 3.8 / 4.0

SKILLS

- Project Management
- Adaptability
- Teamwork
- Time Management
- Leadership
- Effective Communication
- Critical Thinking
- Creativity

LANGUAGES

- Arabic(Fluent)
- English(Intermediate)
- German (Basics)

PROFILE

I am a dedicated and passionate Teaching Assistant with over 8 years of experience in higher education, specializing in fostering student learning and development. Holding a bachelor's degree in engineering with a minor in education and currently pursuing an MSc in geotechnical engineering, I bring a strong academic background along with hands-on expertise in civil engineering. My experience spans site work, technical office, and laboratory environments, where I have developed a deep understanding of geotechnical processes, including lab tests, soil modeling, and the operation of earth-moving equipment.

WORK EXPERIENCE

- Arab Academy for Science, Technology and Maritime Transport 2016- PRESENT

Teaching Assistant

- Currently working as a teaching assistant at Arab Academy for Science, Technology and Maritime Transport, where I provide support to professors in various aspects of teaching and research. In this role, I assist in conducting lectures, grading assignments, and mentoring students, while also collaborating with faculty to enhance course materials and improve the student learning experience.
- Assist professors in conducting lectures, grading assignments, and mentoring students.
- Collaborating with faculty to improve course materials and enhance student learning experiences.

Site Work

I supervised on site for many projects, such as:

1- Improvement of Sudan Port Site : The work was carried out at the Sudan Port site in Aswan Governorate, where boreholes were closely supervised and samples were collected for laboratory analysis.(2018)

Laboratory Tests

I supervised on many laboratory tests in AAST, such as:

1- Sudan Port Site : A series of tests were conducted on the samples, including direct shear tests, sieve analysis, density determination, swell tests, compression tests, and compressibility tests specifically for the clay samples.(2018)

2- The Culvert in Aswan : some of the tests were conducted on the samples from site samples, like the direct shear test and density test.(2024)

ACADEMIC COURSES

- Advanced Geotechnical Engineering at Cairo University (2017)
- Design & Construction of Slurry Walls at Cairo University (2017)
- Soil Dynamics at Cairo University (2017)
- Advanced Construction Engineering at AAST (2017)
- Advanced Prestressed Concrete at AAST (2017)
- Earthquake Engineering at AAST (2018)
- Advanced Numerical Methods at AAST (2018)
- International Publishing of Scientific Research at AAST (2018)
- Educational Preparation course for Graduate Teaching Assistants and Lecturers at AAST (2018)
- Information Tech. Applications In Construction at AAST (2019)
- Writing Research Papers at AAST (2019)
- The Quality Standards Required to Obtain NAQAAE Accreditation (Level 2) at AAST (2021)
- Required standards to obtain ABET accreditation

PROFESSIONAL COURSES AND TRAINING

- Site Training at El Mahmodia Company (2012)
- Primavera Program at Actel Academy (2013)
- Site Training at TOC Office (2013)
- Autodesk Revit Structure at Autodesk (2014)
- SAP 2000 at MTC Center (2015)
- Civil Engineering on Site at Stephen Consulting International in Germany (2015)
- Maintenance and Operation of Earth Moving Equipment at Stephen Consulting International in Germany (2015)
- Site Engineering Prep at The Ministry of Housing, Utilities, and Urban Communities in Egypt training center (2016)
- CSI Diploma at MTC Center (2016)
- Computational Geotechnics soil Modeling at PLAXIS CO. (2019)
- Midas GTS NX at MIDAS CO. (2019)

PUBLICATION

- **Dynamic Response of underground structures at railway transition zones**
The third International Conference on Civil Engineering, ICCE 2023: "Development & Sustainability" in Hurghada
- **Dynamic Response of underground structures at railway transition zones using Validated Model (Master Thesis)**

CONFERENCES

- **The second International Conference on Sustainable Construction and Project Management, ICSCPM18, in Aswan (2018)**
- **The third International Conference on Civil Engineering, ICCE 2023: "Development & Sustainability" in Hurghada (2023)**