



Muhammad Selmy Salim Mahmoud

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ABOUT

Passionate Assistant lecturer with more than 8 years of experience developing and implementing diverse curriculums covering wide range of subjects. Highly skilled at motivating students through positive encouragement and reinforcement of concepts via interactive classroom instruction and observation. Successful in helping students develop strong literacy, numeracy, social and learning skills.

Accomplished Civil Engineer offering 8 years of infrastructure and construction project management. Proven history of guiding project success by leveraging exceptional design and construction management skills. Cost-effective and performance-driven leader with expertise structural analysis, load calculations and project design and development.

WORK EXPERIENCE

Sinai University

September 2012 — Present

Assistant Lecturer

1. Teach the practical parts of the following courses: "Structural analysis", "Computer Methods of Structural analysis", " Numerical Methods of Structural analysis", "Engineering Drawing with Auto CAD", "Hydraulic Engineering" ", "Water Resources", "Applied Mechanics in Structural Analysis", "Unsteady Flow", "Transportation Engineering", "Pavement Design", "Geo technical Engineering and Soil Mechanics", "Foundations Engineering", "Reinforced Concrete Structures Design", "Construction Materials Properties and Testing", "Projects Management", and "Surveying".
2. Participate in research projects works like:
 - A. Develop research protocol.
 - B. Provide computational research support.
 - C. Perform studies as related to research project.
 - D. Develop research survey, questionnaire, or tests.
 - E. Prepare research manuscripts and research presentations.
3. Lead discussion sections, tutorials, or laboratory sections.
4. Meet with supervisors to discuss students' grades or to complete required grade-related paperwork.
5. Evaluate and grade examinations, assignments, or papers and record grades.
6. Return assignments to students in accordance with established deadlines.
7. Attend lectures given by the instructor whom they are assisting.
8. Complete laboratory projects prior to assigning them to students so that any needed modifications can be made.
9. Provide assistance to faculty members or staff with laboratory or field research.

Self Employed

July 2012 — Present

Civil Engineer

1. Trained and mentored over 1300 Civil Engineers over 7 years.
2. Managed over 90 EIT I technicians and administrative staff on 35 projects.

3. Oversaw large-scale mixed-use, commercial, retail, industrial, institutional and residential development projects.
4. Forecasted project costs for houses, urbanization and condominiums for a residential project composed of 65 houses.
5. Designed streets, storm drains, traffic signals, street lighting, traffic control devices and related municipal facilities.
6. Supervised team of 17 staff members.

EDUCATION

Master's degree in Civil Engineering

September 2015 — July 2020

Port Said University

My thesis titled as " Fiber's Type Effect on The Behaviour of Reinforced Concrete Beams"

Bachelor's degree in Civil Engineering

September 2007 — July 2012

Sinai University

My grade was Excellent with honors 3.73 GPA.

LICENSES & CERTIFICATIONS

- Certificate of Master's degree in Civil Engineering.
(<https://drive.google.com/file/d/1HZ4jREpYsFP7XH-LE0d8HHzHbs3Digkj/view?usp=sharing>).
- Certificate of Bachelor's degree in Civil Engineering.
(<https://drive.google.com/file/d/1CEPAvMT8JZnbslQ3PXYjxPluFDqEeslL/view?usp=sharing>).
- Certificate in the Science of Success: What Researchers Know that You Should Know.
(<https://www.coursera.org/account/accomplishments/certificate/L7UEUC978YAU>).

BASIC SKILLS

- Structural analysis using computer software.
- Reinforced Concrete Structures Design.
- Construction Management.

INDUSTRY KNOWLEDGE

- Construction Drawings.
- Geo-technical Engineering.
- Stress analysis tools.
- Water Resource Management.
- Water Treatment.
- Wastewater Treatment.
- Project Management.
- Project Planning.
- Land Surveying.
- construction materials.
- Transportation Engineering.
- Pavement Engineering.
- Shallow Foundations.
- Project management experience.
- Technical reports.
- Construction site management.

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| TOOLS & TECHNOLOGIES | <ul style="list-style-type: none"> ▪ Microsoft Office. ▪ Microsoft Word. ▪ Microsoft Excel. ▪ Microsoft PowerPoint. ▪ Primavera P6. ▪ SAP2000. ▪ AutoCAD. ▪ CSI SAFE. ▪ c+. ▪ ETABS. ▪ Mechanical Testing Of Materials. |
| INTERPERSONAL SKILLS | <ul style="list-style-type: none"> ▪ University Teaching. ▪ Leadership. ▪ Contract Negotiation. ▪ Teamwork. ▪ Team Management. ▪ Management by Objectives. ▪ Oral presentations. ▪ Public Relations. |
| COURSES | <ul style="list-style-type: none"> ▪ Construction Management. ▪ Field Training in Sinai Cement Factory. ▪ The Science of Success: What Researchers Know that You Should Know. |
| LANGUAGES | <ul style="list-style-type: none"> ▪ Arabic (Native or bilingual proficiency). ▪ English (Professional working proficiency). ▪ French (Limited working proficiency). ▪ Hebrew (Elementary proficiency). |
| PUBLICATION | <p>I have published a paper on April 2020 titled with "Effect of Using Local Natural Fibers and Synthetic Fibers on the Properties of High Strength Self-Compacted Concrete" in the journal of "International Journal of Advanced Science and Technology". http://sersc.org/journals/index.php/ijast/article/view/8576</p> |
| HONOR & AWARD | <ul style="list-style-type: none"> ▪ The Most Efficient Demonstrator (Faculty of Engineering - Sinai University - 2013). |
| TEST SCORE | <ul style="list-style-type: none"> ▪ Local TOEFL (510 points). |
| AFFILIATIONS | <ul style="list-style-type: none"> ▪ Egyptians Engineers Syndicate. ▪ Arab Engineers Syndicate. |
| INTERESTS | <p>Reading, Horse riding, Music, Chess, Watching Movies.</p> |