

Yousra Hamdi Abd-Elattif Ahmed

BIM Specialist/ Structure Design Engineer

54 Gardenia Heights, New Cairo 3, Egypt | (+20) 115-9294458 | Egyptian |
hamdyvosra@gmail.com | 10th July 1993 | Single



Work Experience

Jan. 2021 – Present **Teacher Assistant in Faculty of Civil Engineering**

EI-Shorouk Academy
Cairo, Egypt || Part-time

Responsibilities:

- Taught an essential courses such as Material, Structure, Concrete, Soil, Numerical Engineering, and Repairing & Strengthening Concrete Buildings.
- Reinforced lessons presented by Professors and Doctors by explaining and reviewing material with students in the tutorial class or one-on-one.
- Supported the students by supplying them with detailed information for bachelor Material Engineering project and provided detailed feedback to the professor on student progress.

Sep. 2018 – Feb. 2022 **Research Assistant**
British University in Egypt (BUE)
Cairo, Egypt || Part-time

Responsibilities:

- Investigations on the effect of using additives on concrete mix as well as evaluation and comparing of the results with standard concrete mix.
- Implementing lab analysis for Concrete Mix using sustainable materials such as Corn stalk ash and testing specimens such as Permeability test, Compaction Factor test, Compressive strength, tensile strength, ...etc.

Project Title:

- The Effect of Using Corn Stalk Ash as a Partial Replacement of Cement in Concrete Mix.

Aug. 2017 – Jan.2021 **Teacher Assistant in Faculty of Civil Engineering**

EI-Shorouk Academy
Cairo, Egypt || Full-time

Responsibilities:

- Taught an essential courses such as Material, Structure, Concrete, Soil, Numerical Engineering, and Repairing & Strengthening Concrete Buildings.
- Reinforced lessons presented by Professors and Doctors by explaining and reviewing material with students in the tutorial class or one-on-one.
- Supported the students by supplying them with detailed information for bachelor Material Engineering project and provided detailed feedback to the professor on student progress.

Sep. 2016 – Aug. 2017 **Teacher Assistant in Faculty of Civil Engineering**

EI-Shorouk Academy
Cairo, Egypt || part-time

Responsibilities:

- Taught an essential courses such as Material, Structure, Concrete, Soil, and Numerical Engineering.
- Reinforced lessons presented by Professors and Doctors by explaining and reviewing material with students in the tutorial class or one-on-one.

Education

Sep. 2018 – Jun. 2022 **Master of Science Degree – (M.Sc.) in Sustainable Engineering Design & Construction**
British University in Egypt (BUE) || Egypt

- CGPA: 3.80
- Main focus: **Sustainable Material, Material Engineering, LEED & Sustainability.**
- Master thesis: "The Effect of Using Corn Stalk Ash as a Partial Replacement of Cement in Concrete Mix".

Sep. 2011 – Aug. 2016 **Bachelor of Science Degree – (B.Sc.) in Civil Engineering**
EI Shorouk Academy (SH.A) || Egypt

- Cumulative Grade: Excellent – 87.3% with honor.
- Bachelor Project: **Concrete Engineering Project.**
- Project grade: Excellent.

Software

- AutoCAD
- Navisworks
- CSI Column
- Revit Structure
- SAP 2000
- MS Office

Languages

English: Confident (B2-Level)

German: Fair (A1-Level)

Arabic: Mother tongue

Licenses & Certifications

Structure BIM Technical Office - BIM Diploma
Certified By | To-BIM Center

IELTS Certification - (Band 6.0)
Certified By | British council

BIM Coordinator
Certified By | Lynda

List of Publications

- **“Towards sustainable concrete: Cement replacement using Egyptian cornstalk ash.”**
Case Studies in Construction Materials Journal, Q1 Journal, May 2022
- **“The Impact of Using Cornstalk Ash on the Compressive Strength Concrete Mixes.”**
International Journal of Scientific & Engineering Research-IJSER, January 2021

List of Training

- The Egyptian Company For Metro (ECM), 2015.
- United Designers Foundation, 2014.
- General Nile Company For Road Construction, 2013.
- The Egyptian Construction Co. El-Abd, 2012.
- Egyptian Construction Company (Mokhtar Ibrahim), 2013.

Certifications & Reference Furnished Upon Request

Place, Date: Cairo, Sep. 2022

Signature:

MSc.-Eng. YOUSRA HAMDY ABDELLATTIF