



Yousry Elsayed Shalaby Hegab

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ABOUT ME

Teaching Assistant and Researcher at Shoubra Faculty of Engineering, Benha University.

EDUCATION AND TRAINING

M.Sc. in Structural Engineering

Benha University - Shoubra faculty of Engineering – Civil Engineering Department [19/10/2016 – 16/06/2022]

- I passed the preparation and basic courses for master's degree such as Project management, Dynamics of structures, Finite element method, Fiber reinforced Polymers, high performance concrete and Microstructure of materials with 3.25 GPA. Also, I took some important workshops like scientific research ethics, scientific research methodology and digital transformation.

B.Sc. in Civil Engineering

Benha University - Shoubra faculty of Engineering – Civil Engineering Department [15/09/2011 – 20/05/2016]

I graduated with a general grade excellent with honor (91.5%) also I was in the second place among my colleagues. Language of Study through the five years is English.

WORK EXPERIENCE

Teaching Assistant

Benha University -Shoubra Faculty of Engineering - Civil Engineering Department [20/09/2016 – Current]

As a Teaching Assistant:

- Teaching exercise classes for the following structural analysis courses according to Teaching Plan of Shoubra Faculty of Engineering:

1. Structure Analysis 1 A (CVE111)
2. Structure Analysis 1 B (CVE121)
3. Structure Analysis 2 A (CVE211)
4. Structure Analysis 2 B (CVE221)
5. Structure Analysis 3 A (CVS311)
6. Structure Analysis 3 B (CVS321)

7. Structure Analysis 3 (CVG3)

- Reviewing students' assignments and duties.
- Preparing periodic simple exams to evaluate students' progress.
- Helping students during my office hours and through videos in my YouTube channel (<https://www.youtube.com/@yousryshalaby8053>)

As a member of undergraduate structural analysis laboratory:

- Preparing the laboratory for student entry and preparing some helpful identification cards and videos.
- Organizing student entry and providing explanation of existing equipment in the laboratory to students.

As a member of Advanced Training Unit:

- Providing training courses of Structural design of buildings using Engineering programs such as (AutoCAD - SAP2000 - SAFE - ETABS - Robot Structural Analysis - CSI Columns)

Researcher

Benha University -Shoubra Faculty of Engineering - Civil Engineering Department [19/10/2016 – Current]

- One of my most important responsibilities is to contribute to achieving the scientific research plan at Shoubra Faculty of Engineering, which is compatible with the scientific research plan of the Egyptian government, in the field of civil engineering.
- I finished master's degree in Structural Engineering about " Seismic Performance of Reinforced Engineered Cementitious Composite Structural Elements."
- The thesis of master's degree. [M.Sc. Thesis 14062022.pdf](#)
- I have one published paper until now. https://erjsh.journals.ekb.eg/article_235468.html
- My page <https://bu.edu.eg/staff/yousry.hasanin>
- Research interest:
 1. Structural Behavior of reinforced concrete Structural elements.
 2. High Performance concrete.
 3. Engineering Cementitious Composites (ECC).
 4. Earthquake Engineering.
 5. Concrete from recycled aggregate.
 6. Structural Health Monitoring

Structural Design Engineer (Part-time)

Dr. Ali Sabry Engineering Consultant Office (Cairo , Egypt) [01/07/2016 – 01/07/2017]

- Structural design. I designed school, 3 villas and five stories concrete store.
- I was the team leader responsible for repairing a retaining wall for EDITA E08 PLANT- 6 October City (the youngest team leader at that time).
- Reviewing on structural drawings for insurance.

Structural Design Engineer (Part-time)

PONYAN Structural and Engineering Consultancy (Cairo , Egypt) [01/07/2017 – 01/03/2019]

- Structural design. I Participated in designing Al Safwa Resort in Benha, Commercial building in Benha, Mosque at Ras Seder and about 4 villas at Qatar.
- Developing excel sheets for designing structural elements by ACI-318 code.

Quantity Survey and Revit modeler Engineer (Part-time)

BMG for Engineering services (Cairo , Egypt) [01/06/2019 – 01/06/2020]

- Preparing quantity survey report and Revit model for Mega project in USA.
- I created an organized excel sheet which reduces approximately half the time needed to complete tasks with very high accuracy

Lecturer for engineering programs courses (Part-time)

Arcplan Engineering Service (Benha , Egypt) [01/08/2020 – 01/08/2022]

-Lecturer for the following courses:

1. AutoCAD 2D course
2. Revit Structural course
3. Structural design training course by using Engineering programs such as (AutoCAD - SAP2000 - SAFE - ETABS - CSI Columns)

Member of the wooden roofing team (Volunteer Work).

Ensan Shoubra Elkhiema Charity (Kalyobiya , Egypt) [01/01/2017 – 01/01/2020]

- Visit the humanitarian cases and assess their condition.
- Building wooden roofs for poor families in need.

Member of projects team (Student activity)

EnActUs SFE (Cairo , Egypt) [30/09/2013 – 30/05/2014]

“EnActUs SFE” it is an international student activity its name is the abbreviation of Entrepreneurial Action of Us at Shoubra Faculty of Engineering.

- Work in “Biogas Recycle Project”.
- Building biogas units in the fields.
- Work on how to store biogas in cylinders.

LANGUAGE SKILLS

Mother tongue(s): **Arabic**

Other language(s):

English

LISTENING B2 READING B2 WRITING B2

SPOKEN PRODUCTION B2

SPOKEN INTERACTION B2

COMMUNICATION AND INTERPERSONAL SKILLS

Communication and interpersonal skills

- I was the leader and the speaker of my team in Bridge project competition under the supervision of Dr. Karim EL-Dash and “IHMD” and after a good team work, my team won the second category in the competition.

- I was the youngest team leader during my work in Dr. Ali Sabry engineering and consultant office, which was one of the largest engineering offices in Egypt and Africa.

- Good communication skills gained through my experience as a Structural Design Engineer and As a volunteer in “Ensan Shoubra Elkhiema Charity”.

-Good contact skills gained through my experience as a teaching assistant

ORGANISATIONAL SKILLS

Organisational skills

- Good managing skills gained through joining "EnActUs SFE" (Entrepreneurial Action of Us).
- I was a member of the organizing committee of Bridge project competition festiva under the supervision of Dr. Karim EL-Dash and "IHMD" at Shoubra Faculty of Engineering.

JOB-RELATED SKILLS

Job-related skills

Soft skills

- CSI SAP2000 (Perfect)
- CSI SAFE (Perfect)
- CSI ETABS (Perfect)
- Autodesk AutoCAD (Perfect)
- Autodesk Robot Structural Analysis (perfect)
- CSI Column (Perfect)
- Word, Excel and PowerPoint (Perfect)
- Ansys Software (very good)
- Abaqus Soft ware (very good)

Personal skills:

- Hard working
- Enthusiasm
- Self-learning
- Adaptation