

Fatma Esmail

Mohamed



Contact

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Languages

English – B2

Arabic – mother tongue

Summary

Teaching assistant at EL Shorouk academy. Experienced with teach at undergraduate level.

Skill Highlights

- Microsoft office
- Auto cad
- Sap 2000
- Safe
- Etabs
- Primavera
- Robot

Experience

Part time university teaching assistant - 09/2019- 06/2021

Faculty of Engineering ,EL SHOROUK ACADEMY,EL Shorouk city(EGYPT)

- **Teaches different courses of design reinforced concrete structures** (reinforced concrete behavior, types of failure of reinforced sections ,design sections using first principle method , design structure elements , design different types of construction coverage).
- **Teaches different courses of properties and testing of materials** (testing different types of structural materials , properties of concrete , mix design methods, constructive and non- constructive tests of concrete).
- **Teaches foundation engineering courses** (design different types of foundation and design different types of retaining systems).
- **Teaches geo technical engineering courses** (properties of soil , soil classification and soil behavior).
- **Teaches pre stressed concrete courses** (introduction about pre stressed concrete , design pre stressed elements).
- **Teaches pre stressed concrete courses** (introduction about pre stressed concrete , design pre stressed elements).
- **Teaches structure analysis courses** (introduction about structure analysis , calculate reaction of different elements , draw normal , shear and bending moment diagrams for beams and frames).
- **Teaches structure analysis by using "SAP" courses** (design structure elements , design different types of construction coverage, design different types of tanks).

Experience

Structural engineer - 07/2020- 10/2020

Al Huda engineering consulting , Ismailia

- Re designing some concrete structure using sap and Etabs structural analysis programme.

Education

Dec 2020 – July 2021: pre master of science, civil engineering.

Suez Canal University , Ismailia (Egypt).

Bachelor of Science: Civil engineering department - 2019

Faculty of Engineering , EL SHOROUK ACADEMY ,EL Shorouk city.

Grade: 82.06% "very good with honor"

Graduation project : Reinforced concrete

Full analysis and design of three units

- **Unit 1 : school consist of 4 floors " basement , ground floor ,first and second floors".**
- **Unit 1 : school consist of 4 floors " basement , ground floor ,first and second floors".**
- **Unit 2 : shell elevated tank .**
- **Unit 3 : hall covering " using covering dome supported on radial frame".**

Graduation project grade : excellent

Trainee

AUG 2015 – DEC 2015

The Arab contractors ,Ismailia(Egypt).

- Learned about the construction process.
- Gained experience about concrete elements "reinforcement details".
- Knowledge of equipment and instruments used in various types of engineering.

JULY 2017 – AUG 2017

The Arab Contracts ,Ismailia (Egypt).

- water purification stage
- isolation of water structure.

JULY 2018 – AUG 2018

PETROJET COMPANY, SUEZ (Egypt).

- learned about the timber form works.
- learned about the reinforced floors.
- learned about some surveying working.