


# Jeegir Zeki Ahmed

*M.Sc. Structure (Bridge) Engineering*  
*Assistant Lecturer at College of Engineering,*  
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## **EDUCATION AND QUALIFICATIONS**

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September 2015 – September 2016	<b>M.Sc. Bridge Engineering</b> – University of Surrey, Grade <b>(Distinction)</b> <b>Dissertation Title:</b> Study of the Strut-and-Tie Method through ACI-318 Code and Eurocode 2 provisions applied to concrete diaphragms in box girder bridges.
September 2008 – July 2012	<b>B.Sc. Civil Engineering</b> – University of Duhok, Grade: <b>First class student</b> (78%) <b>Project:</b> The Effects of Earthquakes on a High Rise Building.
September 2007 – September 2008	<b>Mathematics Science</b> – University of Duhok, Grade: <b>First class student</b> (83%)

## **ACADEMIC EMPLOYMENT**

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October 2016 – Present	<b>Assistant Lecturer</b> , College of Engineering, University of Duhok.
November 2012 – January 2015	<b>Assistant Teacher</b> , College of Engineering, University of Duhok.
October 2016 – Present	<b>Supervising a Competition</b> , entitled “ <i>Annual Popsicle Stick Bridge Competition</i> ”, College of Engineering, University of Duhok.

## **TEACHING EXPERIENCE**

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### **Assistant lecturer**

September 2018 –  
Present

**Design of Reinforced Concrete** for third year students, Architectural. Dept College of Engineering, University of Duhok.  
**Steel Design** for third year students, Architectural. College of Engineering, University of Duhok.  
**Theory of Structure** for third year students, Civil Dept. College of Engineering, University of Duhok.  
**Steel Design** for fourth year students, Civil Dept. College of Engineering, University of Duhok.  
**Applied Engineering Mathematics** for first year students, Architectural Dept., College of Engineering, University of Duhok.

September 2017 –  
July 2018

**Theory of Structure** for third year students, Architectural Dept. College of Engineering, University of Duhok.  
**Theory of Structure** for third year students, Civil Dept. College of Engineering, University of Duhok.  
**Strength of Materials** for second year students, Water Resources Dept., College of Engineering, University of Duhok.  
**Applied Engineering Mathematics** for first year students, Architectural Dept., College of Engineering, University of Duhok.

October 2016 –  
July 2017

**Theory of Structure** for fourth year students, Civil Dept. College of Engineering, University of Duhok.  
**Steel Design** for fourth year students, Civil Dept. College of Engineering, University of Duhok.  
**Applied Engineering Mathematics** for first year students, Architectural Dept., College of Engineering, University of Duhok.

### **Assistant Teacher**

November 2012 –  
June 2014

**Concrete Technology**, Laboratory work for second year students, Civil Dept. College of Engineering, University of Duhok.  
**Computer Graphics “AutoCAD”** for second year students, Civil Dept. College of Engineering, University of Duhok  
**Engineering Programs “MATLAB”** for third year students, Civil Dept. College of Engineering, University of Duhok.  
**Applied Engineering Mathematics** for first year students, Civil Dept. College of Engineering, University of Duhok.

### **Competition Supervision**

May 2017

**2<sup>nd</sup> Annual Popsicle Stick Bridge Competition**, College of Engineering, University of Duhok.

May 2018

**3<sup>rd</sup> Annual Popsicle Stick Bridge Competition**, College of Engineering, University of Duhok.

May 2019

**4<sup>th</sup> Annual Popsicle Stick Bridge Competition**, College of Engineering, University of Duhok.

## **TEACHING INTERESTS**

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<b>Bridge Engineering:</b>	Bridge Deck Loading and Analysis, Pre-stressed Concrete Bridge Design, Long Span Bridges and Steel and Composite Bridge Design
<b>Structure Engineering:</b>	Theory of Structure, Reinforced Concrete Design, Design of Concrete Structure, Design of Steel Structure, Strength of Materials and Engineering Mechanics.
<b>Computer Graphics:</b>	AutoCAD, AutoCAD Civil 3D, and Revit.
<b>Engineering software:</b>	SAP200, ETABS, Abaqus CAE, CSiBridge and Matlab.
<b>Computer Languages:</b>	C++, Mathcad, Fortran90 and QBasic.
<b>Engineering Mathematics:</b>	Calculus, Numerical Engineering, Engineering Analysis and Statistics.

## **OTHER EXPERIENCES**

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November 2019 – I am working at MRF Group as a Structural Engineer Supervisor at the Duhok Present Tower Project my duties

- Preparing reports, designs and drawings
- Making calculations about loads and stresses
- Selecting appropriate construction materials
- Providing technical advice
- Obtaining planning and/or building regulations approval
- Liaising with relevant professional staff such as architects
- Monitoring and inspecting work undertaken by contractors
- Administering contracts
- Managing projects
- Inspecting properties to check conditions/foundations

September 2018 – I worked at Hiwa Concrete as QA/QC Engineer since September 2018.

September 2019 My responsibilities are:

- Controlling and developing mix design equation according to desired request.
- Controlling concrete materials (Cement, Sand, Normal Gravel, Crushed Gravel and Water) according to Iraqi Specification.
- Testing concrete strength frequently by taking cubic compression strength test for 7 and 28 days.
- Making report of materials test as well as for compression strength test.
- Controlling workability of Concrete by taking slump test.

September 2017- I worked at **SARIL Company** which cooperated by **GIZ** (German Organization),

April 2018 - as a **Site Engineer** for women center project in Duhok city, my duties:

- managing parts of construction projects
- supervision building work according to specifications and drawings
- setting out sites and organizing facilities
- checking technical designs and drawings to ensure that they are followed correctly
- supervising contracted and sub-contracted staff

- ensuring projects meet agreed specifications, budgets or timescales
- liaising with clients, subcontractors and other professional staff, especially quantity surveyors and the overall project manager
- providing technical advice and solving problems on site
- preparing site reports and filling in other paperwork
- liaising with quantity surveyors about the ordering and negotiating the price of materials
- writing report about estimating the work done by contractor and sub-contractors at the end of the week

## **HONORS AND AWARDS**

### **Honors the best Lecturer of the year**

Awarded by Student Union of College of Engineering in University of Duhok in 2017

### **Honors Distinction**

Awarded for master studying entitled “Master of Science in Bridge Engineering” by University of Surrey, United Kingdom in 2016.

### **Studying Master Scholarship Award**

Awarded the studying of master in the United Kingdom by Higher Committee for Educational Development in Iraq – HCED in 2014.

### **Honors the First Class Student**

Awarded the first class student by the college of engineering in the university of Duhok as a reason of the highest grade in the class in 2012

### **Honors Studying Engineering College**

Awarded to transfer from college of Science, Mathematics Department to college of engineering, Civil Department in the university of Duhok by Ministry of Higher Education and Scientific research, Kurdistan Region. This is because of the distinction level in the Mathematics department in 2007.

## **COMPUTER SKILLS**

1. Abaqus CAE
2. SAP2000
3. ETABS
4. CSiBridge
5. AutoCAD
6. AutoCAD Civil 3D
7. Revit

## **LANGUAGES**

Kurdish (Native)  
 English (Advanced)  
 Arabic (Advanced)  
 French (Beginner)

## **Referees**

References available on request.