

Curriculum Vitae

Proposed role in assignment: Structural Researcher

1. **Family name** Essa
2. **First names** Saad
3. **Date of birth** 25-09-1980
4. **Nationality** Iraqi
5. **Civil status** married

6. Education

Institution	Atilim University – Ankara - Turkey
Date (from - to) (month/year)	10/2010 – 05/2015
, Degree(s) or Diploma(s) obtained	Ph.D. Thesis subject:” Functionally Graded of anisotropic rotating disk with variable thickness.

Institution	University of Anbar
Date (from - to) (month/year)	10/2002 – 03/2005
, Degree(s) or Diploma(s) obtained	MSc. in structural analysis. thesis title: “Analysis Of Variable Thickness Folded Plates Using Higher Order Finite Strip Method”

Institution	University of Anbar
Date (from - to) (month/year)	10/1998 – 07/2002
, Degree(s) or Diploma(s) obtained	Bachelor of Science in Civil Engineering

7. Language skills (mark 1 (worst) to 5 (best) for competence)

Language	Reading	Speaking	Writing
Turkish	5	5	5
Arabic	5	5	5
English	5	5	5

8. Membership of professional bodies

- American Society of Civil Engineers (ASCE) with member ID#: 11015905
- Member of Quality Assurance with UNESCO.

9. Other skills

Proficient with Microsoft Word, Excel, and PowerPoint.

Experienced in MATLAB programming and Staad Pro. (Structural Analysis and Design).

10. Present position:

- Lecturer in Erbil Technical Engineering College – Civil Engineering Department
- Designer at the Consultant Engineering bureau.

11. Years within the firm: 11 years

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12. Key qualifications (relevant to the project)

15 years of professional experience in project management and design of ICCB, Tasyapi, 77-company and Biaban projects as well as designing many of individual building including concrete and steel structures. Project management of operation processes of privatization in the utility sector including site material management and quality control, cost recovery, municipal credit and restructuring. Working in the Erbil city to make the rehabilitation of 60 meter street including sewerage system was the strategic project in that time to manage and construct many details in structures field.

13. Specific county experience

Country	Date (from (month/yaer)- to (month/year)
Iraq	05/2005 to 09/2018

14. Professional experience record (projects)

Date (from - to) (month/year)	05/2005-04/2006
Location	Erbil
Company	ICCB
Position	Designer and site engineer
Description	Design of Multi-story concrete building, asphalt and concrete plant, and Design and construct of warehouse steel structures.

Date (from - to) (month/year)	04/2006 – 06/2008
Location	Iraq
Company	Tasyapi Company
Position	Site and Quality Control Engineer
Description	Construct of two underpasses in 60m Erbil: Rehabilitation of 60 m Erbil city. My job was to construct Iskan and Parliament underpass with all details of excavation, formworks and cast concrete. Also, estimate the cost-effective of work progress and quality control of materials and site. Construct of drainage line in Erbil: Rehabilitation of 60 m Erbil city. My job was put the drainage line and making the ventilation and basin. The drainage pipe was made with pvc spiral surrounding with gravel.

Date (from - to) (month/year)	11/2007 – till now
Location	Iraq
Company	Erbil Technical College
Position	Instructor
Description	Instructor of 1) Structural Analysis. 2) Engineering Analysis. 3) Engineering Foundations. 4) Steel Structures Design.

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Date (from - to) (month/year)	06/2008 – 12/2008
Location	Iraq
Company	77 Company
Position	Site and Quality Control
Description	Construct of Parliament underpasses in 60m Erbil: Quality Control of site and management of daily work progress. Check design for some part and making modification approval.

15. Others (e.g. publications): -

- **Analysis of Second Degree of Freedom with Second Degree of Stiffness Based on Broyden's Method**, Journal of Civil & Environmental Engineering.
- **Solutions for the polar orthotropic functionally graded annular disks having variable profile**, 6th International Conference and Exhibition on Materials Science and Engineering
- **Analysis of Elastic Beams on Linear and Nonlinear Foundations Using Finite Difference Method**, Eurasian Journal of Science and Engineering.
- **Effect of Steel Reinforcement on the Minimum Depth-Span Ratio**, , Eurasian Journal of Science and Engineering.
- **Elastic analysis of variable profile and polar orthotropic FGM rotating disks for a variation function with three parameters**, Acta Mechanica.
- **Effect of Functionally Graded Elastic Moduli for the Unidirectional Lamina**, Eurasian Journal of Science and Engineering.