

Curriculum Vitae (CV)

Re: Dr Botan Majeed Ahmad AL-Hadad



1. **Name:** Dr Botan Majeed Ahmad AL-Hadad
2. **Date and Place of Birth:** 23/03/1971, Erbil, Iraq
3. **Sex and Marital Status:** Male, Married and have three children
4. **Nationality:** Iraqi - Kurdish
5. **Address:** Iraq, Kurdistan Region, Erbil, Bakhtiary Quarter, House No: 250/6/128
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E-mail Address:
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botan1971@yahoo.com
6. **Academic Qualification:**
 1. **PhD** Civil Engineering\ Highway Planning and Design, October 2011, Nottingham University, Nottingham, UK.
 2. **MSc** Highway Engineering, Salahaddin University, (1994/1995), Erbil, Iraq.
 3. **BSc Civil Engineering**, Mosul University, (1991/1992), Mosul, Iraq.
7. **Position and Place of Work** **DEAN OF Erbil Technology Institute (ETI),**
Erbil Polytechnic University (**EPU**)
Erbil, Kurdistan Region, Iraq
8. **Languages:**
 - a. Kurdish (Mother Tongue)
 - b. Arabic: Understand, Speak, read and write Fluently
 - c. English: Understand, Speak, read and write Fluently
9. **Computer Skills:**
 - a. Microsoft Windows
 - b. Microsoft Office 2010 & 2013
 - c. Auto CAD and
 - d. AutCAD Civil 3D for highway problem solutions (Planning and design).
 - e. Modeling and programming using visual studio (visual basic based programming)
 - f. High skill internet user and browsing
 - g. GIS: Relevant issues for planning, mapping, and land uses
10. **Professional Societies:** Membership of:
 - a. Iraqi Engineer's Syndicate
 - b. Kurdistan Engineer's Syndicate (Kurdistan Region of Iraq)
 - c. Kurdistan Teachers Syndicate
 - d. Membership of Erbil Polytechnic University Board Council

11. **Training courses, Workshops, and Conferences (attended):**

- a. Higher Education Leadership and Management Training, from April 09-17, 2018 at Appalachian State University (ASU), USA.
- b. Delegating Erbil Polytechnic University (EPU) and participation in 24th Arab Council for Training Students of Arab Universities (ACTSAU) Meeting, from March 17-20, 2018 held in Sharm Alsheikh, Egypt.
- c. A workshop titled: Publications and the Importance of Scientific Research, held on 29/11/2017, Research Center, Erbil Polytechnic University, Erbil, Iraq.
- d. Supervising (11) of Arab student universities as part of student exchange program for 20 days between our university (EPU) and Tanta university\ Egypt, July 2017.
- e. Delegating Erbil Polytechnic University (EPU) and participation in 23rd Arab Council for Training Students of Arab Universities (ACTSAU) Meeting from March 18-22, 2017 in held in AL-Ain city\ Abu Dhabi – UAE from 18th to 22th March 2017.
- f. Leadership and Management Remote Training, Spring 2017 through the U.S.-Iraq Higher Education Partnership Program. A program developed by IREX with the support of the US embassy in Iraq.
- g. Acting as Co-Chair and Head of Organizing Committee (OC) for the joint International Engineering conference between Erbil Polytechnic University and Ishik University (IEC2017), held from 26th to 27th February 2017.
- h. Presenter at the joint International Engineering conference (IEC2016), Erbil, Kurdistan region, Iraq, (20-21) February 2016.
- i. Acting as Program Committee (PC) for an International Engineering Conference IEC2016 (A joint conference between Ishik and Erbil Polytechnic University) held in Erbil, Kurdistan region, Iraq from (20-21) February 2016.
- j. A workshop in Istanbul\ Turkey titled: Public - Private Cooperation in Kurdistan/ Iraq. 7th – 11th December 2014, Held by GIZ-German Government.
- k. Paper presentation titled: Sustainable Development in urban Planning. First International Symposium on Urban Development. Held Koya University, Koysinjaq, Erbil – Iraq, from 16 – 18 December 2013.
- l. A workshop titled: Evaluation standards for Iraqi education strategic plan, 11-13 June 2013, Erbil, held by British Council.
- m. A workshop: Strategic planning for vocational education in Iraqi Kurdistan, Feb 2013.
- n. A scientific conference (ICEC), Barcelona – Spain, October 2012.
- o. A course for Geographic Information System (GIS), Erbil, July 2012.
- p. PhD thesis, planning, optimization, modeling, simulations, 2011, UK.
- q. Teaching and learning project construction management using computer game simulations, September 2009 to Feb 2010, Nottingham, UK.
- r. Paper presentation at a scientific conference (ICEC), Valencia – Spain, October 2010.
- s. Paper presentation at a scientific conference (icccbe), Nottingham – UK, June 2010.
- t. A workshop on GIS, Belfast, Northern Ireland, December 2008.

- u. Attending a training course in United Kingdom\ England in February 2006 at ELE international training center, covering operation and test techniques on key ELE civil engineering soil testing, concrete and asphalt products at ELE international training center.
- v. Attending a training course on using the techniques of Total station instrument held in Erbil technical institute\ civil department in April 2006.
- w. Participating in a conference held by British Council in Jordan\Amman on Technical Education in Iraq in April 2005.
- x. A workshop on Gender in multi environmental work conditions held by one of the UN agencies \ UN-Habitat. (2002)
- y. Participating and presentation a Research on concrete in a Scientific Conference held by Salahaddin University in Erbil city. (1998)
- z. Participating in a Computer shows held by Ministry of Communications and Transportation of Kurdistan Region in Media Hall in Erbil City. (1997).
- aa. Attending a teaching psychology-training course held by College of Teaching/ psychology Department in Salahaddin University in Erbil City. (1996)

12. **Published Books and Papers:**
- a. A research titled: Corridor Based Horizontal Highway Alignment Optimization Using Genetic Algorithms and GIS. **Ready for publication.**
 - b. Student Book: Traffic and Highway Engineering. (completed but has not been published yet)
 - c. Highway Alignment Genetic Algorithm Based Optimization With Aging Consideration (Under process)
 - d. A Master thesis made under my supervision titled: A GIS Based Genetic Algorithm for Highway Alignment Development Process, by Wrya Hade Nadir. Submitted to Engineering Technical College, Erbil Polytechnic University, June 2017.
 - e. A Master thesis made under my supervision titled: Highway Vertical Alignment Optimization Using genetic Algorithm, by Glpa Ali Mahmood Jukil. Submitted to Engineering Technical College, Erbil Polytechnic University, May 2017.
 - f. A scientific paper titled "A Two Dimensional GIS Model for Highway Alignment Corridor Search", Proceedings of the IEC2016 conference, a joint conference held by Ishik and Erbil Polytechnic University, Erbil, Kurdistan Region, Iraq, (20-21) February 2016.
 - g. A scientific paper titled "Accuracy Analysis of Boundary Point Determination Based Genetic Algorithm Optimization", Erbil Polytechnic University (EPU) journal, February 2016.
 - h. A scientific paper titled "Sustainable development in Urban Planning", in the First International Symposium on Urban Development: Koya as a case study, organized by Koya University, Koya, Kurdistan Region, Iraq, (16-18) December 2013.
 - i. A scientific paper titled "GA - Based Highway Alignment Optimization Incorporating Junction Locations" in (IJCCI 2012\ ICEC) conference, Barcelona – Spain, October 2012.
 - j. PhD thesis, Nottingham, UK, 2011.
 - k. A scientific paper titled "A Genetic Algorithm Approach to a 3D Highway Alignment Development" in (2nd international conference on evolutionary computation - ICEC 2010), Valencia – Spain, October 2010.
 - l. A scientific paper titled " A Genetic Algorithm Approach to Highway Alignment Development" in 13th international conference on computing in civil and building engineering - iccbe 2010), Nottingham – UK, June 2010.
 - m. A scientific paper titled " The Effect of Grouting Coarse Aggregate on Compressive Strength of Concrete Mixtures" in the third scientific conference of Salahaddin University, Erbil, Iraq, 1997.
 - n. MSc thesis, Salahaddin University, Erbil Iraq, 1995.
 - o. Several social articles in the local newspapers.

13. **Training courses, (Supervised):**
 - a. A training course for "Teaching and learning project construction management using computer game simulations", April 2013, Erbil Polytechnic University, Erbil, Kurdistan Region, Iraq.
 - b. A training course about: Geometric Design of Highways, for Local Authorities Engineers in Erbil Technical Institute, Road Construction Department. (1997).
 - c. A training Course about: Laboratory Tests of Building Construction and Pavement Materials, for Governmental Engineers and Technical Staff, in Erbil Technical Institute, Road Construction Department. (1997).
 - d. Computer training course on Microsoft Windows System, Excel, Word ... etc programs for Erbil Technical Staff, Computer Center in Erbil Technical Institute. (1998)

EMPLOYMENT RECORDS

1. **DEAN OF ERBIL TECHNOLOGY INSTITUTE (ETI)\ Erbil Polytechnic University (EPU): since 19/08/2014 up to now**
2. Head of Academic and Cultural Relationship: **from 01/07/2012 till 19.08/2014**
3. PhD Student: **from 2007 till 2011 (Nottingham University, Nottingham, UK)**
4. Director of Engineering and Construction at the presidency of EPU: **from 2003 till 2007**
5. Working privately for UN agencies: Office Engineer, **UN-Habitat**, Erbil, from **2000 till 2003**
6. Registrant Director for student affairs at EPU (Formerly FTE): from **1998 till 2000**
7. Head of Computer Center, Erbil Technical Institute: **from 1997 till 1998**
8. Head of library unit, Erbil Technology Institute, **from 1996 till 1997**

Note: I also have worked in tenth of committees (scientific and administration) for the university as well as in many workshops, symposiums, and hundreds of seminars inside and outside the country.

Important Notes:

1. I have been Viva member for MSc projects:
 - a) **Thesis title:** Archaeological Planning of Sulemani City during Ottoman Empire (1784 – 1920 AC), University of Salahaddin\ Faculty of Arts\ Archaeological Department. (26\03\2017)
 - b) **Thesis title:** Study of Fundamental Relationships of Traffic Flow for Selected Locations in Erbil City, Erbil Polytechnic University\ Erbil Technical Engineering College\ Civil Engineering department. (10\01\2017)
 - c) **Thesis title:** Evaluation of Asphalt Production and Performance Grade (PG) for Iraqi Kurdistan region, Erbil Polytechnic University\ Erbil Technical Engineering College\ Civil Engineering department. (26\05\2016)
2. Supervising two master projects (thesis\ Dissertation) at Erbil Polytechnic University\ Erbil Engineering Technical College\ Civil Engineering Departments:
First MSc student project: started at 15.04.2015 and completed on May 2017
Second MSc student project" started at 15.08.2015 and completed on June 2017
3. MSc student Lecturer as part of a joint master program between my university (EPU) and Ishik University: Lecturing Advanced Transportation Engineering. Spring semester from April, 2018 and will end by August 2018.
4. As a part time lecturer: Lecturing a model titled "Traffic Engineering" for Ishik University\ Engineering College\ Civil Engineering Department, Year Three, Spring and Autumn Semesters, for academic years 2016-2017 and 2017-2018.
5. Giving lectures to Master students at Erbil Polytechnic University\ Erbil Engineering Technical College\ Civil Engineering Departments for the subjects and periods below:
 - Advanced Geometric Design of Highways (Winter - Spring semester 2017/2018)
 - Advanced Transportation Engineering (Autumn - Summer semester 2017)
 - Advanced Transportation Engineering (Spring - Summer semester 2014)
 - Advanced Geometric Design of Highways (Autumn - Winter semester 2014/2015)
 - Advanced Transportation Engineering (Spring - Summer semester 2015)
6. Acted as **External Evaluator (المقيم الخارجي)** for Surveying Engineering Department – College of Engineering at Salahhaddin University for the years 2012 and 2013. I have also been

nominated for the third time to perform the evaluation as external evaluator for the academic year 2014 for the same aforementioned department.

7. Please note that:

Since 1995 when I first started working for higher education and so far: I, beside the responsibilities and jobs listed above, I have been one of the academic staff of Erbil Polytechnic University\ Erbil Technology Institute\ Road Construction Department. I have lectured many scientific subjects for ***Erbil Technical College*** and ***Erbil Technology Institute*** as:

- **Asphalt technology**
- **Mathematics**
- **Traffic Engineering**
- **Construction materials**
- **Concrete Technology**
- **Road construction methods and Equipment**
- **Road Design Drawings**
- **Computers and programming**
- **Engineering Mechanics**
- **Contracts and specifications**



Dr Botan Majeed Ahmad AL-Hadad

PhD, MSc, BSc Civil Engineering

(Transportation Engineering)