

CURRICULUM VITAE

1) PERSONAL DATA :

Name: Jamil Abdulrabb Najji Al Maqtari
 Date of Birth: 22-5-1957
 Position: Professor, Al Baha University
 Work Address: Civil Engineering Dept.
 Faculty of Engineering, Al Baha University
 Al Baha, Saudi Arabia
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Languages:

1. Arabic: Mother tongue
2. English: Good proficiency

2) KEY EXPERIENCE:

- Preparation of tender documents as well as tender's evaluation.
- Field supervision and projects management including buildings and roads.
- Data analysis and modelling using statistical packages (SPSS).
- Road safety.
- Materials characteristics.
- Experience in soil stabilization and site improvement.
- Experience in microscopic traffic simulation.
- Road maintenance and pavement management system.
- Teaching experience including graduate and undergraduate programs.
- Supervision of MSc. & PhD Students.

3) EDUCATION:

- PhD, University of South Wales (former University of Glamorgan), Wales, UK, 1997.
- MSc, King Fahd University of Petroleum and Minerals (KFUPM), Dhahran, Saudi Arabia, 1988.
- BSc, Civil Eng. Dept., Alexandria University, Egypt, 1982.

4) TRAINING COURSES:

1. Several short courses related to self-development, Advising Students, Accreditation, and Research.	Albaha University, Saudi Arabia, 2013-2021.
2. Microscopic traffic simulation using AIMSUN software "Advanced Interactive Microscopic Simulator for Urban and non-urban Networks"	Technical University of Braunschweig, Germany, August 2010
3. Training on AIMSUN software "Advanced Interactive Microscopic Simulator for Urban and non-urban Networks" for particular application	The Institute of Transport, Road Engineering and Planning IVH, University of Hannover, Germany, August 2007
4. Course on Geographic Information System GIS-1	University of Science and Technology and GEO-Technology for GIS, 2 May to 25 May, 2006, Yemen
5. Principles and introduction to AIMSUN software "Advanced Interactive Microscopic Simulator for Urban and non-urban Networks"	The Institute of Transport, Road Engineering and Planning IVH, University of Hannover, Germany, August 2003
6. Management and Planning based on Lewis Allen Procedure.	University of Science and Technology (UST), Yemen, 21 to 26 June, 2003

7. Land-development software, “three-dimensional software for road design” (the former version of AutoCAD Civil 3D).	University of Sana’a, Faculty of Engineering, June, 2003
8. Staff training and development:	University of Manchester (UMIST), UK, Aug. 1998
9. Several training course on Windows, Excel, Word, AutoCAD, SPSS,...etc	University of South Wales, KFUPM and Sana’a University
10. Earthquake resistant structures	Sana’a R.O.Y. 1992
11. Pavement management system	KFUPM, Saudi Arabia, 1987
12. Pavement evaluation and maintenance management:	KFUPM, Saudi Arabia, 1986
13. Traffic Engineering:	KFUPM, Saudi Arabia, 1985

5) EMPLOYMENT RECORD:

A) Academic:

Aug.13 -to date	: - Professor, AlBaha University, AlBaha, Saudi Arabia. - Representative of Civil Engineering Department at the Quality Assurance and Accreditation Committee in the Faculty of Engineering. - Member of the graduate study committee in the department.
Aug. 09 - Aug. 13	: Professor, Sana'a University and “part-time bases” in University of Science and Technology (UST), Sana’a, Yemen.
Apr. 03 - Aug.09:	: Associate Professor, Sana'a University and “part-time bases” in University of Science and Technology (UST), Sana’a, Yemen.
Sep. 03 - Sep 04:	: College Dean of Science and Engineering, University of Science and Technology, Yemen (One-year contract-during sabbatical leave).
1997 - Sep. 03:	: Assistant/Associate professor, Civil Engineering Department, Faculty of Engineering, Sana’a University, Sana’a. As an assistant/associate professor in the Civil Eng. Dept., Highway & Geo-technique Division, my duties mainly summarized in participating in the following activities: Head of Civil Engineering Dept. Teaching different subjects including: 1. Highway geometric design 2. Traffic eng. & transportation planning 3. Pavement materials 4. Flexible and rigid pavement design 5. Building materials 6. Engineering Mechanics 7. Supervisor for student's final year projects.
Feb. 93 - Sep. 97	: Researcher, University of South Wales, Wales, U.K.
Aug 88 - Nov 92	: Lecturer at Sana’a University, Faculty of Engineering (Highways and Geo-technique Division).
Sep.85 - July 88:	: Researcher, King Fahd University of Petroleum and Minerals (KFUPM), Saudi Arabia.
Sep. 84 - July 85	: KFUPM, English course and prerequisite subjects for MSc. Program

B) Consulting services:

Jan. 08 - Feb 11	:	Project Coordinator for Al A Al-Udain Al-Jarahi road project (84 km) and AL-Kahra Hais road project (28 km), Yemen.
Feb .- June 2008	:	Traffic management and circulation study for the historical city of Zabid, 2008, financed by kfw bank.
Jan. - April 2007	:	Project Manager and co-designer for Taiz ring road, phase III, 3.45 km & 40 m width. <i>The Client:</i> Taiz Governorate, Yemen
June 2006	:	Member of the tender's evaluation committee of Al-Udain Al-Jarahi road project and AL-Kahra Hais road project, Yemen.
Dec. 04 – Apr. 05	:	Project Manager/Co-designer for The Northern 60 m Urban Ring Road (16.5 km), Sana'a, Yemen. <i>The Client:</i> Sana'a Mayor's Office
Nov. 04 – Dec.04	:	Member of the tender's evaluation committee of Faculty of Engineering project, Aden University, Financed by The Islamic Bank for Development IBD.
Jan 03 – May 03	:	Project manager/co-designer for Al Zaher – Al Rebat Road project, 42 km, Yemen. <i>The Client:</i> The Ministry of Construction, Housing and Urban Planning.
July 03 – Oct 03	:	Project Manager/Co-designer for Urban Road Network consists of 10.2 km length. (about 244000 m ²), Sana'a, Yemen. <i>The Client:</i> Sana'a Mayor's Office.
Aug 01- April 02	:	Project's coordinator for the projects of Techniplan S.p.A International Consulting in Yemen (Italian firm)
Feb. 00 - July 01	:	Consultant “part-time bases” to Technohouse Engineering and Contracting.
Sep. 00 - July 01	:	1- Project Manager/Co-designer for Al-Sabt Al-Mehiam Road (42.2 km), Yemen 2- Designer for Bani Johdob Road (10 km), Yemen. <i>The Client:</i> The Ministry of Construction, Housing and Urban Planning represented by General Corporation for Roads and Bridges (GCRB), Yemen
Dec. 99 - Aug. 00	:	Project manager/co-designer for Al Baydah - Wasit Road project, Phase II, 81 km, Yemen. <i>The Client:</i> The Ministry of Construction, Housing and Urban Planning.
Aug. 98 - Mar. 99	:	Project manager/co-designer for Al Mawasit-Al Shamaitin-Al Maflis-Tour Al Bahah Road project, Yemen (66.2 km., Consulting services). <i>The Client:</i> Ministry of Planning & Development, Yemen.
Dec. 97 - April 98	:	The improvement of 19 congested intersection in the capital city of Sana'a. <i>The Client:</i> Sana'a Mayor's Office
Nov.97 - May 98	:	Designer for Al Baydah - Wasit Road project (Phase I, 56 km.), Yemen <i>The Client:</i> The Ministry of Construction, Housing and Urban Planning.
1997 - 2013	:	Consultation of highway and traffic engineering for several engineering and construction companies, Yemen
Aug.97 - Oct. 98	:	The revision of Wadi Idim track repair (Checking the detailed topographic survey, design of retaining walls and culverts) - Via Technohouse. <i>The Client:</i> TOTAL Oil Company – Yemen.
1988 - 1992	:	Worked at different areas including highway and structural engineering. Parts of my work were combined with my teaching and research activities.

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- July 82 - Aug. 84 ;
1. Civil engineer at the Army Engineering Command (AEC). Several projects have been designed for the employer, including design of the Olympic Swimming Pool.
 2. Part-time engineer in private consultation firm. Structural design and site supervision for several private residential buildings were conducted.
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6) COMPUTER BACKGROUND:

- ❑ Experience in statistical analysis, using SPSS for windows.
- ❑ Experience in different computer packages including Microsoft office and AutoCAD.
- ❑ Experience in AutoCAD Civil 3D software (Three-dimensional -3D- computer program models for road design and other civil engineering applications)
- ❑ Experience in AIMSUN software “Advanced Interactive Microscopic Simulator for Urban and non-urban Networks.
- ❑ Experience in Arc View GIS software “Geographic Information System software”

7) PUBLICATIONS:

7.1) Published papers and unpublished research activities:

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- 1) Operational conditions of traffic flow on King Fahd mountainous road during **winter** rush hour, a supervised research work involved with B.Sc. student projects, 2016. Al Baha University, Saudi Arabia (unpublished research).

 - 2) Operational conditions of traffic flow on King Fahd mountainous road during **summer** rush hour, a supervised research work involved with B.Sc. student projects, 2015. Al Baha University, Saudi Arabia (unpublished research).

 - 3) Use of Basalt in Asphalt Concrete Mixes. The Journal of Construction and Building Materials, Vol. 23 No. 1 Jan 2009.

 - 4) Performance evaluation of asphalt concrete mixes containing granular volcanic ash. American Society of Civil Engineers (ASCE), Journal of Materials in Civil Engineering ASCE / Dec., 2008, PP (754-761).

 - 5) Improving the stripping resistance of local hot mix asphalt containing basalt aggregate by the use of cement. Journal of Science and Technology, Vol. 13 No. 2, Dec. 2008, pp 30-39, (ISSN 1607-2073), University of Science and Technology, Sana’a, Yemen.

 - 6) Assessment of different traffic management scenarios using microscopic simulation: A case study. Journal of Engineering Sciences, Faculty of Engineering, Assiut University, Vol. 36, No 6, Nov. 2008, Egypt, pp. 357-369, ISSN 1687-0530

 - 7) الانزلاقات الأرضية في الطرق الجبلية في اليمن: اسبابها وكيفية الحد من تكرارها: دراسة حالة. مجلة العلوم و التكنولوجيا كلية العلوم و الهندسة، المجلد 12 العدد 3 ، 2008، جامعة العلوم و التكنولوجيا - يونيو 2008 ، اليمن ، (ISSN 1607-2073)

 - 8) Critical evaluation of asphalt concrete mixes containing granular volcanic ash material, Journal of Engineering Sciences, Faculty of Engineering, Assiut University, Vol. 36, No 2, March, 2008, Egypt, pp 357-369, ISSN 1687-0530

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- 9) Effect of using granular volcanic ash on the mechanical properties of Hot Mix Asphalt. Journal of Science and Technology, Vol. 12 No. 2, 2007, pp. 30-39, (ISSN 1607-2073), University of Science and Technology, Sana'a, Yemen.
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- 10) Using granular volcanic ash in hot asphalt concrete mixes. Research achievement in the construction industry. 1st Construction industry research achievement international conference CIRAIC 2007. Kuala Lumpur, Malaysia, March 2007
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- 11) The use of lime to stabilize granular volcanic ash materials for road construction. Journal of Science and Technology, Vol. 7 No. 2, 2002, (ISSN 1607-2073), University of Science and Technology, Sana'a, Yemen.
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- 12) The relationship between ride quality and surface deterioration of rural paved roads in Yemen. The Bulletin of the Faculty of Engineering, Assiut University, Vol. 29, No 3, Sept. 2001, Egypt, pp. 263-271, ISSN 1110-0915.
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- 13) Causal models for road accident fatalities in Yemen, The Journal of Accidents Analysis and Prevention, 33 (2001) 547-561, USA.
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- 14) Shortcomings in road accident data in developing countries, Identification and correction: A case study. International Association for Traffic and Safety Science, IATSS, Vol. 24 No. 2, 2000, Japan.
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- 15) Improving the properties of granular volcanic ash for engineering uses, The 8th Arabic Conference of Structural Engineering, Cairo University, Oct. 2000.
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- 16) Road accident analysis in Yemen. Safety on Roads: an International Conference. SORIC' 98, Bahrain, Oct. 1998.
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- 17) Road accident analysis in (Former) South Yemen. International Forum on Road Safety Research, Bangkok, Thailand, Oct. 1995.
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- 18) Factors effecting the design and performance of Slurry Seal Mixes. Association of Asphalt pavement technologists, Annual meeting, Nashville, Tennessee, Feb. 20-22, 1989 (Vol. 58, 1989)
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7.2) Books:

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- 1) Road safety management in Yemen, ISBN 978-3-8383-3676-3,
available on web at: <http://www.gettextbooks.com/search/?isbn=ISBN+%28978-3-8383-3676-3%29>
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7.3) Selected Technical / Design Reports:

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- 1) Traffic management and circulation study for the historical city of Zabid, Yemen. June 2008
 - 2) Technical report for Taiz ring road, phase III (3.45 km length & 40 m width), Yemen, April 2007.
 - 3) Design report for the Northern 60 m urban street, Sana'a city. (16.5 km length & 60 m width), Yemen, April 2005.
 - 4) Design report for Al Zaher Al Rebat road project (42 km), Yemen, May 2003
 - 5) Design report for an urban road network (neighbourhood unit) in Shumila area, Sana'a city, Yemen, (244000 m²), October 2003.
 - 6) Design report for Al-Sabt Al-Mehiam road project 42.2 km, Yemen, July 2001.
 - 7) Technical report for Bani Johdob road project (10 km), Yemen, July 2001.
 - 8) Design report for Al Baydah - Wasit road project phase II (81 km), Yemen, August 2000.
 - 9) Design report for Al Mawasit-Al Shamaitin-Al Maflis-Tour Al Bahah road project (66.2 km), Yemen, March 1999.
 - 10) Design report for Al Baydah - Wasit road project phase I (56 km), Yemen, May 1998.
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8. REFERENCES:

Available upon request.