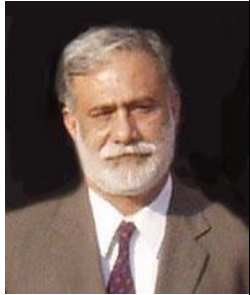


Curriculum Vitae

1. PERSONAL DETAILS:

Name: <u>Brig (R) Prof. Dr. Tayyeb Akram</u>		
Nationality: <u>Pakistan</u>		
National ID Card: <u>17201-6990757-7</u>		
Date of Birth : <u>16-02-1957</u>	Domicile: <u>Wah Cantt, Rawalpindi</u>	
PEC Registration No. <u>Civil/18178</u>		

2. CONTACT DETAILS:

Permanent Address:	Mailing Address :
96 – A, Lala Rukh Colony, Wah Cantt, Pakistan	Director, COMSATS University Islamabad, Wah Campus
Tel : 051 – 4511120	Tel : 051 – 9270065, 0321-9756797
E-mail : takrampk@yahoo.com	E-mail : dirwah@comsats.edu.pk

3. ACADEMIC & PROFESSIONAL DATA:

a. ACADEMIC:

Qualifications	Year	Major / Specialization	University
Post-Doc	2004	Civil Engineering	McGill University, Montreal, Canada
PhD	1992	Civil Engineering / Transportation Engineering	Texas A&M University, Texas Transportation Institute (TTI), College Station, Texas, USA
MS	1989	Civil Engineering / Geotechnical Engineering	University of Michigan, Ann Arbor, USA
MS	1989	Construction Engineering & Management	University of Michigan, Ann Arbor, USA
BS	1984	Civil Engineering	Military College of Engineering, Risalpur, Pakistan

b. TEACHING/ RESEARCH & ADMINISTRATIVE EXPERIENCE:

After	Appointment	Duration		University/Organisation
		From	To	
PhD	Principal Engineer	1993	2000	Directorate of Design & Consultancy, Engineer-in-Chief's Branch, GHQ Rawalpindi.
	Director/ Prof.	2000	2011	School of Civil & Environmental Engineering, National University of Sciences & Technology (NUST), Islamabad
	Director Campus	2011	May 2019	COMSATS University Islamabad, Wah Campus
	Chief Executive Officer	June 2019	To Date	National Testing Service - Pakistan (NTS)

c. MS/ PhD SUPERVISION:

I. MS THESIS SUPERVISED

S.No	Student	Thesis Title	Year
1	Intikhab Ahmed Qureshi	Logistics Cost Study of Export Commodities in Pakistan	2002
2	Anjum Saeed	Evaluate Temperature Susceptibility of Asphalt Cement using Selected Asphalt Additives/Polymer	2002
3	Fazal Nawab	Logistics Cost Study of Import Commodities in Pakistan	2002
4	Ubaid Ullah	Evaluation of Flexible Pavement Fatigue Performance by using Surface Curvature Index	2002
5	Imtiaz Ghani	Slope Stability Study along Murree - Nathiagali Road	2004
6	Mukhtar Ahmed Bhatti	Slope Stability Study of Islamabad - Murree Road	2004
7	Muhammad Adnan Qadir	Slope Stability Study of Lower Topa - Ban Road	2004
8	Assadullah	Slope Stability Study of Murree - Muzaffarabad Road	2004
9	Arif Junaid Kareem	Slope Stability Study of Islamabad - Murree Road	2004
10	Muhammad Saleem Akhtar	Slope Stability Study of Dhal – Kohala Road	2004
11	Javid Akhtar	Modification of Marshall Mix Design Procedure and Specification for Pakistani Environment	2005
12	Arshad Mehmood	Development of High Strength Concrete with Locally Available Materials	2006

13	Humayun Obaid	Production of Low Cost Self-Compacting Concrete Using Bagasse Ash	2006
14	Arslan Zahoor	Development of High Early Strength Concrete Using Indigenous Materials	2006
15	Muhammad Manzoor Alam Shah	Strength Enhancement of Brick Masonry Column with Ferrocement	2006
16	Muhammad Iqbal	Utilization of Bagasse Ash as Partial Replacement of Cement	2006
17	Rizwan Akram	Utilization of Fly Ash and Rice Husk Ash as High Volume Replacement of Cement	2006
18	Wasim Khaliq	Effect of Support Conditions on Structural Response Under Dynamic Loading	2006
19	Roz Ud Din	Production of Low Cost Foam Concrete using Indigenous Materials	2006
20	Imran Raza Jafri	The Bond Behavior of Indigenously Manufactured Glass Fiber Reinforced Polymer Bars	2006
21	Muhammad Ali	Investigation of Slab-Column Connection by Finite Element Analysis	2006
22	Mudassar Nawaz Khan	Use of Bentonite as Partial Replacement of Cement	2006
23	Muhammad Naeemuddin	Landslide Hazard and Risk Mapping of Urban Murree	2007
24	Abdul Qudoos Khan	Characterization and Stabilization of Subgrade Soil along Gujranwala – Lahore Section of N-5	2007
25	Fawad Sulaman Niazi	Stability Study of Hattain Bala Landslide Dam	2007
26	Rabia	Effect of Truck Load Variations on Road Performance and Optimum Limit of Truck Factor	2007
27	Qazi Aurangzeb	Introduction of Performance Based Specifications for Asphalt Binders in Pakistan	2007
28	Mudassir al Baqer	Characterization of Binder Blends for Asphalt Mixtures Containing Reclaimed Asphalt Pavements	2009
29	Nadeem Anwer Qureshi	Hot in-Place Recycling Experience on Motorway (M-2) in Pakistan	2009
30	Shoeb Raza Mallick	Development of Axle Load Spectra, N-5, Islamabad-Peshawar Section, Pakistan	2009

d. RESEARCH GRANTS AWARDED AS PI

S.No	Title	Sponsor Agency	Amount	Duration	
				From	To
1	Geo Seismic Hazard and Risk Mapping of Murree Hills	NUST	Rs. 3,997,000/-	May 2007	Dec 2010
2	Development of Guidelines for Asphalt Pavement Recycling in Pakistan	USAID-HEC	US\$ 850,000/-	Jan 2006	Dec 2009
3	Slope Stability Study in Galiat Area	HEC	Rs. 2,000,000/-	Jun 2005	Jun 2006
4	Development of Fatigue Performance Models for Flexible Pavements in Pakistan	National Highway Authority (NHA)	Rs. 1,000,000/-	Jul 2002	Dec 2003
5	Pakistan: Exports Logistics Cost Study	THE WORLD BANK	Rs. 130,000/-	Jun 2002	Jan 2003
6	Pakistan: Imports Logistics Cost Study	THE WORLD BANK	Rs. 130,000/-	Jun 2002	Jan 2003
7	Investigation of Successful Pavement Sections on National Highway Network	National Highway Authority (NHA)	Rs. 2,000,000/-	Apr 2000	Feb 2002
8	Preliminary Feasibility Study of Northern Area Roads for Development of Tourism	National Highway Authority (NHA)	Rs. 2,142,320/-	May 2000	Apr 2002

e. WORKSHOPS / SEMINARS / CONFERENCES ORGANIZED IN PAKISTAN

Workshops / Seminars				
S.No	Duration	Title	Sponsored By	Venue
1	16-18 Dec 2006	1 st International Workshop on "Highway Engineering"	HEC - NUST - MSU - NIT	NHA Auditorium Islamabad
2	5-6 Mar 2008	2 nd International Workshop on "Highway Engineering"	HEC - NUST - MSU - NIT	NHA Auditorium Islamabad
3	21-22 Jan 2010	International Seminar on "Advances in Cement Based Materials"	NUST – Frieberg University, Germany	NIT Auditorium, NUST, Islamabad
4	14-15 July 2010	International Workshop on "Construction Industry in Pakistan – Issues and Practices"	HEC – NUST - NIT	NIT Auditorium, NUST, Islamabad
5	23-24 Feb 2011	International Conference "Floods-2010: A Dialogue to Transform Devastation to Opportunity"	HEC – NUST – NIT - UNESCO	NIT Auditorium, NUST, Islamabad
6	16-18 Dec 2013	11 th International Conference on "Frontiers of Information Technology" FIT 2013	COMSATS – HEC – IEEE – NTS – ICT R&D Fund	Islamabad, Pakistan

7	17-19 Dec 2014	12 th International Conference on "Frontiers of Information Technology" FIT 2014	COMSATS – HEC – IEEE – NTS – ICT R&D Fund	Islamabad, Pakistan
8	14-16 Dec 2015	13 th International Conference on "Frontiers of Information Technology" FIT 2015	COMSATS – HEC – IEEE – NTS – ICT R&D Fund	Islamabad, Pakistan
9	23-24 Feb 2016	International Dialogue "Role of Hydro-Informatics and Integrated Water Resource Management Under UN-Agenda 2030"	UNESCO - COMSATS	CIIT Wah, Pakistan
10	19-21 Dec 2016	14 th International Conference on "Frontiers of Information Technology" FIT 2016	COMSATS – HEC – IEEE – NTS – ICT R&D Fund	Islamabad, Pakistan
11	18-20 Dec 2017	15 th International Conference on "Frontiers of Information Technology" FIT 2017	COMSATS – HEC – IEEE – NTS – ICT R&D Fund	Islamabad, Pakistan

f. PROFESSIONAL TRAININGS ATTENDED

Professional Trainings				
S.No	Duration	Title	Sponsored By	Venue
1	14-18 Dec 1998	Auditor / Lead Auditor Training Course	Bureau Maghraby International Quality Assurance (BMIQA)	PCST, Islamabad
2	6-9 Mar 2000	Workshop on Traffic Engineering	National University of Sciences & Technology (NUST)	NUST in Collaboration with Michigan State University, Islamabad
3	18-23 June 2001	Workshop on Transportation Engineering	National University of Sciences & Technology (NUST)	NUST in Collaboration with Michigan State University, Islamabad
4	31 Dec 2002 to 2 Jan 2003	Workshop on Traffic Engineering	National University of Sciences & Technology (NUST)	NUST in Collaboration with Michigan State University, Islamabad
5	26-28 May 2003	Engineering Education Review	HEC	HEC, Islamabad
6	29-31 Dec 2003	GPA Systems	NUST	NUST, Islamabad
7	21-25 Aug 2006	Asphalt Technology	National Center for Asphalt Technology (NCAT), Auburn University, USA	Auburn University, USA
8	16-18 Dec 2006	International Workshop on Highway Engineering	NHA-NUST-NIT-MSU	NHA, Islamabad
9	26-27 Aug 2007	International Conference on Environmentally Sustainable Development	COMSATS	COMSATS, Abbottabad

10	20-21 Aug 2007	National Workshop on Facilitation of Inter Regional Transport Linkages	UNESCAP-NHA	NHA, Islamabad
11	7-8 Sep 2007	National Seminar on Occupational Health, Safety and Environment	IEP	IEP, Karachi
12	5-6 Mar 2008	International Workshop on Highway Engineering	NHA-NUST-NIT-MSU	NHA, Islamabad
13	13-14 May 2009	Membrane Technology for Wastewater Reclamation and Reuse	AIT-NUST	NUST, Islamabad
14	14-15 July 2010	Construction Industry in Pakistan, Issues and Practices	Purdue University-NUST	NUST, Islamabad
15	2 May 2013	International Workshop on QS University Ranking	COMSATS	COMSATS, Islamabad
16	26-27 Aug 2013	University Administration Program	International Program & Studies, University of Illinois at Urbana-Champaign, USA	University of Illinois at Urbana-Champaign, USA
17	16-19 Mar 2015	Leadership and Change Management	Higher Education Commission (HEC)	Islamabad, Pakistan
18	17-25 Jan 2017	SAKURA Exchange Program in Science	Japan Science and Technology Agency	Kumamoto University Kumamoto, Japan
19	4-10 July 2017	Conference "Mobilizing UNESCO Science Chairs for Policy Action Towards the UN 2030 Agenda"	UNESCO and Swiss Ministry of Foreign Affairs	Geneva, Switzerland

g. DESIGN & CONSULTANCY PROJECTS

1. Design of River Training Works and Retaining Structures, Zhob - D.I.Khan Road (N-55), Client: National Highway Authority (NHA), Pakistan.
2. Design Review of Quetta - Chamman Section N-25 (117 km), Client: National Highway Authority (NHA), Pakistan.
3. Design and Performance Analysis of Additional Carriageway Lahore - Okara Section (148 km), N-5, Client: National Highway Authority (NHA), Pakistan.
4. Pavement Evaluation of Section Chowk Azam - Chowk Munda (3 km), N-5, Client: National Highway Authority (NHA), Pakistan.
5. Design Review of Pakistan Motorway, Islamabad - Peshawar Section (M-1), Client: National Highway Authority (NHA), Pakistan.
6. Design Review of Chitral - Ishkashim Highway Project (206 km), Client: National Highway Authority (NHA), Pakistan.
7. Design Review for Improvement of Karakoram Highway - Chilas to Khunjerab Pass (397 km), Client: National Highway Authority (NHA), Pakistan.

8. Design Review of Larkana - Naudero Road (21 km), Client: National Highway Authority (NHA), Pakistan.
9. Design Review of Barian - Nathiagali - Abbottabad Road Project, Client: National Highway Authority (NHA), Pakistan.
10. Detailed Design of Roads Defence Housing Authority, Phase II, Islamabad, Client: Defence Housing Authority (DHA).
11. Consultancy Services to Fauji Motorway Company Limited (FMCL) for Karachi – Hyderabad Motorway Project (M-9), Client: Fauji Foundation Limited, Pakistan.
12. Detailed Design for Motorway Link Road, Islamabad End – Fateh Jang Road, Client: National Highway Authority (NHA), Pakistan.
13. Detailed Design for Motorway Link Road, Chakri – Riwayat Road, Client: National Highway Authority (NHA), Pakistan.
14. Detailed Engineering Design and Construction Supervision of Link Road Between N-5 (HasanAbdal) – Askari Cement Wah, Client: Askari Cement Wah.
15. Design of Laswa Bypass Road, Azad Kashmir, Client: Frontier Works Organization (FWO), Pakistan.

h. PUBLICATIONS

S.#	AUTHOR	CO-AUTHOR	TITLE	JOURNAL	VOL / ISSUE	PAGE	Year
1	Tayyeb Akram	A.Q Khan	Use of Lime-Bagasse Ash for Subgrade Soil Stabilization	Proceedings of "2 nd International Conference on Transport Infrastructures (iCTi2010)", ISBN: 978-972-8692-57-5, 4-6 August 2010, Sao Paulo, Brazil	-	285-294	2010
2	N. A. Qureshi	Tayyeb Akram, S. M. Jamil	Performance Evaluation of Hot in-place Recycling Experience in Pakistan	Proceedings of The 2 nd International Conference on "Sustainable Construction Materials and Technologies", ISBN: 978-1-4507-1490-7, 28-30 June 2010, Ancona, Italy	-		2010
3	N. A. Qureshi	S. Ali, Tayyeb Akram	Field Evaluation of Hot in-place Recycling Experience in Pakistan-A Case Study	Proceedings of The 1 st MAKASSAR International Conference on "Civil Engineering (MICCE2010)", ISBN: 978-602-95227-0-9, 9-10 March 2010, Makassar, Indonesia		933-942	2010
4	Fawad. S. Niazi	Habib-ur-Rehman, Tayyeb Akram	Application of Electrical Resistivity for Subsurface Characterization of Hattian Bala Landslide Dam	Proceedings of GeoFlorida 2010, International Congress of Geotech Institute of ASCE "Advances in Analysis, Modeling & Design", Geotechnical Special Publication (GSP 199), ISBN: 978-0-78441-0950, 20-24 February 2010, West Palm Beach, Florida, USA	-	480-489	2010

5	Fawad. S. Niazi	Tayyeb Akram, Sajjad Haider	Seepage Assessment of Hattian Bala Landslide Dam Using Hydrological Data	Proceedings of 62 nd Canadian Geotechnical Conference GeoHalifax 2009, ISBN: 978-0-92050545-8, 20-24 September 2009, Halifax, Nova Scotia, Canada	-	1141-1148	2009
6	S. W. Haider	G. Y. Baladi, Q. Aurangzeb, Tayyeb Akram	Rheology of Asphalt Binders in Pakistan	Proceedings 6 th International Conference on "Maintenance and Rehabilitation of Pavements and Technological Control (MAIREPAV6)", Vol I, ISBN: 978-88-8202-029-3, 8-10 July 2009, Torino, Italy	I	34-43	2009
7	N. J. Cerullo	S. W. Haider, G. Y. Baladi, Tayyeb Akram, N. Anwer	Hot in-place Recycling Experience on Motorway (M-2) Project in Pakistan	Proceedings 6 th International Conference on "Maintenance and Rehabilitation of Pavements and Technological Control (MAIREPAV6)", Vol II, ISBN: 978-88-8202-029-3, 8-10 July 2009, Torino, Italy	II	819-826	2009
8	Tayyeb Akram	S.A. Memon, H. Obaid	Production of Low Cost Self Compacting Concrete Using Bagasse Ash	Journal of Construction and Building Materials, Elsevier Science (ISSN: 0950-0618)	23	703-712	2009
9	S.W. Haider	G.Y. Baladi, Tayyeb Akram, A. Hussain, Q. Aurangzeb	Development of Guidelines for Flexible Pavement Recycling in Pakistan	Proceedings The 6 th International Conference on "Road and Airfield Pavement Technology", ISBN: 978-4-8106-0633-1, 20-23 July 2008, Sapporo, Japan		677-684	2008
10	S. W. Haider	G.Y. Baladi, Tayyeb Akram, A. Hussain	The Effects of Cracking Type and Location on Choice of Asphalt Pavement Recycling Method	Proceedings 6 th RILEM International Conference on "Cracking in Pavements", ISBN: 978-0-415-47575-4, 16-18 June 2008, Chicago, USA		529-538	2008
11	Tayyeb Akram	S.A. Memon, W. Khaliq	Effect of Support Conditions on Structural Response under Dynamic Loading	Mehran University Research Journal of Engineering & Technology (ISSN: 0254-7821)	27 12	157-170	2008

12	S. A. Memon	Tayyeb Akram, A. Mehmod	Self Compacting Concrete	Proceedings 1 st International Conference on "Engineering Management (ICEM-2008), Benchmarking Management Practices in Developing Countries", 3-4 March, 2008, Mehran University of Engineering & Technology, Jamshoro, Pakistan	-	59-68	2008
13	Q. Aurangzeb	Tayyeb Akram, S. W. Haider, G. Y. Baladi	Performance Grading of Asphalt Binder to Control High Temperature Susceptibility in Pakistan	7 th International Conference on "Sustainable Aggregates, Asphalt Technology and Pavement Engineering", Liverpool John Moores University, 20-21 February, 2008, Liverpool, UK			2008
14	S. W. Haider	G. Y. Baladi, Tayyeb Akram, H. U. Rehman	Development of Guidelines for Flexible Pavement Recycling	(08-1329)-28, Proceedings 87 th Annual Meeting Transportation Research Board (TRB), Washington, D.C., USA			2008
15	Tayyeb Akram	S. A. Memon, M. Iqbal	Utilization of Bagasse Ash as Partial Replacement of Cement	Proceedings International Conference on "Advances in Cement Based Materials and Applications in Civil Infrastructure (ACBM-ACI)", (ISBN: 978-969-546-015-3), Lahore, Pakistan	1	235-245	2007
16	Tayyeb Akram	S. A. Memon, R. Akram	Utilization of Fly Ash and Rice Husk Ash as High Volume Replacement of Cement	Proceedings International Conference on "Advances in Cement Based Materials and Applications in Civil Infrastructure (ACBM-ACI)", (ISBN: 978-969-546-015-3), Lahore, Pakistan	1	247-256	2007
17	Tayyeb Akram	S. A. Memon, M. N. Khan	Utilization of Jehangira Bentonite as Partial Replacement of Cement	Proceedings International Conference on "Advances in Cement Based Materials and Applications in Civil Infrastructure (ACBM-ACI)", (ISBN: 978-969-546-015-3), Lahore, Pakistan	1	301-311	2007
18	Tayyeb Akram	S. A. Memon, M. A. Shah	Strength Enhancement of Brick Masonry Columns Using Ferrocement	Proceedings International Conference on "Advances in Cement Based Materials and Applications in Civil Infrastructure (ACBM-ACI)", (ISBN: 978-969-546-016-0), Lahore, Pakistan	2	985-995	2007
19	Tayyeb Akram	S. A. Memon, Q. A. Khan	Environmental Friendly Usage of Bagasse Ash for Subgrade Soil Stabilization	5 th National Seminar on "Occupational Health, Safety and Environment", The Institute of Engineers, Karachi, Pakistan			2007

20	S. A. Memon	Tayyeb Akram	Moving Beyond the Finite Element Method	5 th International Civil Engineering Congress, Karachi, Pakistan			2007
21	Tayyeb Akram	S. A. Memon, R. Nassar	Production of Foam Concrete Using Indigenous Materials	5 th International Civil Engineering Congress, Karachi, Pakistan			2007
22	Tayyeb Akram	S. A. Memon, M. Iqbal	Production of Concrete Using Industrial Waste-Bagasse Ash	2 nd International Conference on "Environmentally Sustainable Development (ESDEV-2007)", (ISBN: 978-969-8779-13-9), Abbottabad, Pakistan		567-574	2007
23	Tayyeb Akram	S. A. Memon, R. Akram	2D Numerical Simulation of River Hydrodynamics	2 nd International Conference on "Environmentally Sustainable Development (ESDEV-2007)", (ISBN)		559-665	2007
24	S. Haider	Tayyeb Akram	2D Numerical Simulation of River Hydrodynamics - Application of Indus River Reach Downstream Ghazi-Barrage	2 nd International Conference on "Environmentally Sustainable Development (ESDEV-2007)", (ISBN: 978-969-8779-13-9), Abbottabad, Pakistan		559-665	2007
25	Tayyeb Akram	H. Gabriel	Urban Water Cycle Management of Lahore, Pakistan	2 nd International Conference on "Environmentally Sustainable Development (ESDEV-2007)", (ISBN: 978-969-8779-13-9), Abbottabad, Pakistan		819-827	2007
26	Tayyeb Akram	S. A. Memon, S. A. Khan	Influence of Silica Fume on the Strength of High Strength Concrete	Mehran University Research Journal of Engineering & Technology (ISSN 02547821)	26/3	201-210	2007
27	Habib Ur Rehman	Tayyeb Akram, S-NAbduljauwad	Geotechnical Behavior of Oil-Contaminated Fine-Grained Soils	Electronic Journal of Geotechnical Engineering (ISSN: 1089-3032) Http://www.eiae.com/2007/PDr0720/PDr0720.htm	12/A	1-12	2007
28	Tayyeb Akram	M. A. Shaikh, S.A. Memon	Numerical Investigation of Slab-Column Connection By Finite Element Method	Mehran University Research Journal of Engineering & Technology (ISSN: 02547821)	26/2	133-145	2007
29	S.A Memon	Tayyeb Akram	On elimination of Shear Locking in Element-Free Galerkin Method Using Moving Kriging Interpolation	Mehran University Research Journal of Engineering & Technology (ISSN: 02547821)	26/1	1-10	2007

30	Tayyeb Akram	S. A. Khan, S. A. Memon	Development of High Strength Concrete with Locally Available Materials	Mehran University Research Journal of Engineering & Technology (ISSN: 02547821)	25/4	379-388	2006
31	S. Haider	Tayyeb Akram	Two Dimensional Urban Flood Modelling	Journal Science, Technology & Development, Pakistan Council for Science and Technology, Islamabad, Pakistan, (ISSN: 02546418).	25/2	19-25	2006
32	S.T. Maqsood	Tayyeb Akram	Earthquake Risk Assessment	Proceedings of International Conference on "Earthquake Engineering", University of Engineering & Technology, Lahore, Pakistan		187-195	2006
33	Tayyeb Akram	H. U. Rehman	Prevention and Stabilization of Landslides In Northern Pakistan	Journal Science, Technology & Development, Pakistan Council for Science and Technology, Islamabad, Pakistan, (ISSN: 02546418).	24/2	11-17	2005
34	Tayyeb Akram	H. F. Gabriel, H. U. Rehman	Multimodal Transport and Its Effects on Logistics Cost in Pakistan	Journal of The Chartered Institute of Logistics & Transport, Pakistan			
35	Ubaidullah	Tayyeb Akram	Evaluation of Flexible Pavement Fatigue Performance by Using Surface Curvature Index	8th International Conference on "Applications of Advanced Technologies in Transportation". The China Academy of Transportation Sciences, Beijing, China			2004
36	M. E. Shahid	Tayyeb Akram, N. Abeer	Use of Rice Husk Ash to Enhance the Performance of Fly Ash in Ground Improvement Works	1st International Water Conference, 40th Annual Convention Institute of Engineers, Islamabad, Pakistan			2000
37	Tayyeb Akram	T. Scullion	Comparing Laboratory and Backcalculated Layer Moduli on Instrumented Pavement Sections	Nondestructive Testing of Pavements and Backcalculation of Moduli: American Society of Testing Materials (ASTM), Special Technical Publication (STP) 1198, ASTM, Philadelphia, USA, (PCN 04-011980-08).	02	170-202	1994
38	Tayyeb Akram	T. Scullion, R. E. Smith	Using the Multidepth Deflectometer to Study Tire Pressure, Tire Type, and Load Effects on Pavements	FHWA/TX-92/1184-2 Vol. 2, Texas Department of Transportation, U.S. Department of Transportation, Federal Highway Administration, Washington D C, USA	02/1184-2	1-142	1993

39	Tayyeb Akram	T. Scullion, R. E. Smith	Comparing Pavement Responses Under FWD and Truck Loads	FHWA/TX-92/1184-2 Vol. 1. Texas Department of Transportation, U.S. Department of Transportation, Federal Highway Administration, Washington D.C, USA	01/1184-2	1-60	1993
40	Tayyeb Akram	T. Scullion, R. E. Smith	Estimating Damage Effects of Dual vs. Wide Base Tires with Multi-Depth Deflectometers	Transportation Research Board (TRB) 920664, USA			1992
41	Tayyeb Akram	T. Scullion, R. E. Smith	Estimating Damage Effects of Dual vs. Wide Base Tires with Multi-Depth Deflectometers	Nondestructive Structural Evaluation of Pavements, Transportation Research Record 1355, National Academy Press, Washington D.C, USA	1355	59-66	1992
42	Tayyeb Akram	T. Scullion	Estimating Damage Effects of Dual vs. Wide Base Tires with Multi-Depth Deflectometers	FHWA/TX-92/1184-1, Texas Department of Transportation, U.S. Department of Transportation, Federal Highway Administration, Washington D.C, USA	1184-1	1-52	1992

4. EMPLOYMENT DETAILS:

Name of Organisation/ Institution	Designation	Duration		Location
		From	To	
a. National Testing Service - Pakistan (NTS)	Chief Executive Officer	June 2019	To date	Islamabad
b. COMSATS University Islamabad, Wah Campus	Director Campus	2011	May 2019	Wah Cantt
c. School of Civil & Environmental Engineering, National University of Sciences & Technology (NUST)	Director / Professor / Assoc Dean	2000	2011	Islamabad
d. Directorate of Design & Consultancy, GHQ Rawalpindi	Principal Engineer	1993	2000	Rawalpindi
e. Graduate Studies	MS: University of Michigan, Ann Arbor PhD: Texas A&M University, College Station	1987	1992	USA
f. Pakistan Army, Corps of Engineers	Field Formations / MCE	1976	1986	Pakistan

5. Membership:

- a. Member Institute of Engineers Pakistan (IEP), Membership No: AM/5047
- b. Member Pakistan Engineering Council (PEC), Membership No: Civil/18178
- c. AOQC MOODY Certified Lead Auditor – Quality Assurance Auditor, Certificate No: 5443, Dec 1998
- d. Member American Society of Civil Engineers (ASCE), Membership No: 462912
- e. Member of the Association for Computing Machinery, Inc.(ACM)

6. Award:

NUST Best Researcher Award for the Year 2007

7. UNESCO Water Chair:

Knowledge Systems for Integrated Water Resources Management (IWRM), Feb 2014