

Curriculum Vitae

1. **Name:** FARHAN AHMAD KIDWAI
2. **Designation:** Professor & Head
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6. **Field(s) of Specialization:** Transportation Engineering

7. Employment Profile:

Job Title	Employer	From	To
PROFESSOR	JMI	29.08.2005	TILL DATE
READER	JMI	29.03.1998	28.08.2005
LECTURER	JMI	13.02.1990	28.03.1998

8. Academic Qualifications:

Examination	Board / University	Year	Division/ Grade	Subjects
Ph.D.	IIT Kanpur	1998		CIVIL ENGG
M.E.	IIT Roorkee	1990	I (HONS)	TRANSPORTATION ENGINEERING
B.Sc. Engg.	AMU Aligarh	1988	I (HONS)	CIVIL ENGG
P.U.C	AMU Aligarh	1983	I	PCM
HIGH SCHOOL	UP Board	1982	I	PCMB

9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	To
Chairman Central Purchase Committee	University	2023	Till Date
Chairman Tender Committee	University	2023	Till Date

Member Project Monitoring Committee Jamia, (Construction of various buildings under Higher Education Financing Agency, Cost 423 Crores INR)	University	2023	Till Date
Head	Department	2022	Till Date
Chairman Financial and Purchase committee	Department	2022	Till Date
Chairman Board of studies	Department	2022	Till Date
Member Academic Council	University	2022	Till Date
Incharge Teaching load and Time Table	Department	2017	2022
Coordinator Curriculum Development	Department	2016	Till Date
Coordinator BE Program	Department	2011	2022
Member Financial and Purchase committee	Department	2011	2022
Incharge Transportation Lab	Department	2005	Till Date
Member Faculty Committee	Faculty	2005	Till Date
Incharge Faculty Library	Faculty	1999	2000

10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To
NAAC Evaluator	NAAC	2024	Till Date
Member research committee, Integral University, Lucknow	Integral University, Lucknow	2019	2022
NBA Expert Member	NBA	2016	Till Date
UPSC Personality Test Advisor	UPSC	2012	Till Date
Member, Bid Evaluation Committee for the New AIIMS	Ministry of Health and Family Welfare	2010	2014

11. Awards, Associate ships etc.

Year of Award	Name of the Award	Awarding Organization
1988 – 1990	GATE Scholarship	UGC

12. Fellowships

Year of Award	Name of the Fellowship	Awarding Organization	From (Month/Year)	To (Month/Year)
1994 – 1997	QIP Research Fellowship	AICTE	July 1994	June 1997

13. Details of Academic Work

- (i) Curriculum Development: Coordinator for curriculum development for civil engineering 2017 scheme. Developed the curriculum for Transportation Engineering I, Transportation Engineering II, Advance Transportation Engineering, Urban Mass Transit System
- (ii) Courses taught at Postgraduate and Undergraduate levels: Introduction to computers and programming, Research methodologies to PG Level. Strength of materials, Surveying, Transportation Engineering, Advance Transportation Engineering, Urban mass transit system, GIS for UG Level.
- (iii) Projects guided at Postgraduate level
- (iv) Other contribution(s): Supervised more than 40 UG final year projects.

14. Workshops/ Symposia/ Conferences/ Colloquia /Seminars

Chaired two technical sessions in Malaysian Universities, Transport Research Forum Conference 2002, 22-23 October, University Malaya, 50603 Kuala Lumpur, Malaysia.

Attended and presented papers in more than 40 International and National conferences.

15. Workshops/ Symposia/ Conferences/ Colloquia/Seminars Organized (as Chairman/ Organizing Secretary/ Convenor / Co-Convenor)

Title of Activity	Level of Event (International/ National/ Local)	Date (s)	Role	Venue
International Conference on Smart Cities- Opportunities and Challenges	International	14-16 March, 2019	Track In- Charge	Faculty of Engineering, JMI
03 days refresher course on Advanced Technology in the Construction of Warehousing Infrastructure	National	17 – 19 December 2012	Coordinator	Faculty of Engineering, JMI

16. Invited Talks delivered

Topic	Date	Inviting Organization
Optimization for Engineering Design	6/6/2024	University of Applied Science, Erfurt, Germany
Overview of Rail and Metro (Rail and Metro: Perspectives and Challenges)	27/05/2023	S & S Consultants
FDP- Introduction of Accreditation Mechanism-NAAC/NBA Approach	16/07/2020	Mohammad Ali Jauhar University, Rampur, UP
Planning and Design of airports	22/09/2017	Integral University, Lucknow
Fundamentals of Pavement Design	9/03/2013	AMU Aligarh
Fundamentals of Road Design	18/12/2012	Central Warehousing Corporation

17. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member)	Organization	Membership No. with date
Life Member	Indian Roads Congress	LM250188, 02.03.2016

18. Academic Foreign Visits

Country	Duration of Visit	Program
Germany (University of Applied Science, Erfurt)	10 Days (01 to 10 June 2024)	Academic exchange program
Malaysia (University of Malaya)	3 Years (2002 – 2005)	Visiting Faculty

19. Details of Major Consultancy Projects

Title of Work	Awarding Agency	Consultancy Fee (Rs)	Year
Quality audit for strengthening of Sri Aurobindo Marg, Ch Harsukh Marg and Ch Jhandu Singh Marh by cold milling and recycling process	PWD, Division South Delhi II, Andrews Ganj , New Delhi-49	11,16,867/-	2024
Third part quality assurance service for street pavement and side drains at Dayalpur Extension Mustafabad Coctituency.	Irrigation & Flood Control Department Dept. Civil Division IV, Govt. of NCT of Delhi	1,52,000/-	2023
Third part quality assurance service for street pavement and side drains at Mustafabad Extension Part II.	Irrigation & Flood Control Department Dept. Civil Division IV, Govt. of NCT of Delhi	1,47,000/-	2023
Consultancy for third party quality check for construction of roads at 11 locations	Irrigation & Flood Control Department Dept. Civil Division IX, Govt. of NCT of Delhi	9,95,920/-	2021
Designing of rigid pavement inside the depot complex at Food Storage Depot, Mayapuri	Food Corporation of India (FCI)	3,54,000/-	2021
Mix design for M25 & M30 grade concrete	S.D. Concrete	47,200/-	2021
Strengthening of various roads under PWD in New Delhi	PWD, Division South, Sukhdev Vihar, New Delhi-25	16,13,603/-	2020

Testing of sample BC/DBM	NCR- Transport corporation Ltd.	35,400/-	2019
Third party quality assurance	PWD, Ishwar Nagar, Kalka More, New Delhi-25	12,25,136/-	2018

20. Number of PhDs guided

Name of the PhD Scholar	Title of PhD Thesis	Role (Supervisor/ Co-Supervisor)	Year of Award
Faizanul Haque	Development of Safety Performance Model for Urban Intersection	Supervisor	2023
Salman Khurdheed	Performance Optimization of Urban Metro Transit System	Supervisor	2023
Shadab Ahmad	Modelling And Assessment Of Traffic Related Air Pollution In An Urban Area	Supervisor	2021
Abdul Ahad	Optimal parking space allocation in an urban area	Supervisor	Pursuing
Raja Adnan Khan	Accident prediction modeling at unsignalized intersection using MLR method	Co- Supervisor	Pursuing
Gajendra Kumar	Experimental Investigation of Crumb Rubber Modified Bituminous Mixture for Flexible Pavements	Co- Supervisor	Pursuing

21. Publications

1. Abdul Ahad, Farhan Ahmad Kidwai (2025) Navigating parking choices: drivers' perspectives on parking guidance and information systems: a survey-based case study, Innovative Infrastructure Solutions, Springer Nature Switzerland, <https://doi.org/10.1007/s41062-025-01877-3>
2. Faizanul Haque, Farhan Ahmad Kidwai, Muhammad Faizan ul Haq (2025) A systematic review of proactive approach for pedestrian safety at intersections, Transportation Research Part F: Psychology and Behaviour. Volume 109, February 2025, Pages 792-808.
3. Faizanul Haque, Farhan Ahmad Kidwai, Ishwor Thapa Thapa, Sufyan Ghani, Lincoln M Mtapure (2025) Assessing the Impact of Mobile Usage on Pedestrian Road Crossing Behaviour at Signalized Intersections: A Machine Learning-Based Approach. Future Transportation.
4. Ahad, A., Kidwai, F.A., (2025) Addressing Urban Traffic Congestion in New Delhi Through Novel Parking Guidance and Information System. Cureus Journal of

5. Ahad, A., Kidwai, F.A., (2025) Mitigating Urban Traffic Congestion Through OPSAM in Delhi: A YOLO-v4 Based Parking Guidance and Information System. Journal of The Institution of Engineers (India): Series A. <https://doi.org/10.1007/s40030-024-00860-y>
6. Ahad, A., Kidwai, F.A., (2024) Pre- Trip Parking Choice and Parking Guidance System for City of New Delhi: A Comprehensive Two-Phase Model. Journal of The Institution of Engineers (India): Series A. <https://doi.org/10.1007/s40030-024-00846-w>
7. Kumar, G., Tomar, R. K., & Kidwai, F. A. (2024). Influence of Crumb Rubber on Temperature Susceptibility and Activations Energy of Crumb Rubber Modified Bitumen. In 2024 International Conference on Communication, Computer Sciences and Engineering (IC3SE) (pp. 1-4). IEEE. <https://doi.org/10.1109/IC3SE62002.2024.10593635>
8. Khursheed, S., Yasmin S., and Kidwai F.A. (2024) The Urban Metro Transit's Performance Evaluation Using Super-DEA. Scientific Journal of Silesian University of Technology, Vol. 125, (pp. 123-143).
9. Haque F., Kidwai F. A. & Khan M. S. (2024) A comprehensive study of pedestrian safety behaviour at urban signalised T-intersections, Transportation Planning and Technology, Vol. 47, issue 5, (pp 709-727)
10. Ahad A., Kidwai F.A., (2023) Comprehensive Analysis of Urban Vehicle Parking Challenges: A Comprehensive Survey of Delhi, International Journal of Creative Research Thoughts (IJCRT). Volume 11, Issue 12, ISSN: 2320-2882 pp c649-c657.
11. Ahad A., Kidwai F.A., Chandrasekharan C.P., Siddiqui M.A., (2023) "OPAM: Optimal Parking Allocation Model," Indian Patent- 202311067294.
12. Khursheed, Salman and Kidwai F.A., Post COVID performance evaluation of Delhi metro, 2nd International Conference on Futuristic and Sustainable Aspects in Engineering and Technology, AIP Conference Proceedings, Volume 2721, 060008, July 2023.
13. Haque F. and Kidwai F.A., Machine Learning Approach for Predicting Jay Walking Behavior- A Case Study of New Delhi, 2nd International Conference on Futuristic and Sustainable Aspects in Engineering and Technology, AIP Conference Proceedings, Volume 2721, 060006, July 2023.
14. Haque F. and Kidwai F.A., "Modeling pedestrian behavior at urban signalised intersections using statistical-ANN hybrid approach – Case study of New Delhi", Case Studies on Transport Policy, Volume 13, September 2023, 101038.
15. Khursheed, Salman and Kidwai, Farhan Ahmad," Level of Service based Performance Model of BLUE Line of Delhi Metro Post-COVID-19", Proceedings of Eastern Asia Society for Transportation Studies, Vol. 14, 2023.

16. Khursheed, Salman and Kidwai, Farhan Ahmad,” Evaluation of Users Approbation Indicators of Delhi Metro”, Recent Advances in Transportation Systems Engineering and Management. Lecture Notes in Civil Engineering, vol 261. Springer, Singapore. https://doi.org/10.1007/978-981-19-2273-2_24 , 2023.
17. Khursheed, Salman and Kidwai, Farhan Ahmad,” Post-COVID-19 performance evaluation of urban metro transit system in Delhi and influence on access mode”, Case Studies on Transport Policy, 10, August 2022, 1862-1871.
18. Khursheed, Salman and Kidwai, Farhan Ahmad,” Post covid-19 access-egress attributes for urban metro transit users in Delhi”, Journal of Applied Engineering Sciences, vol. 12(25), issue 1/2022, art.no. 329 pp.53-60. <https://doi.org/10.2478/jaes-2022-0009>
19. Haque F. and Kidwai F.A.,” Crosswalk Utilization by Pedestrian: Perception versus Reality - Case Study of New Delhi”, IJE TRANSACTIONS C: Aspects Vol. 35 No. 12, (December 2022) 2329-2336.
20. Haque F. and Kidwai F.A., “Traffic Signal Violation Behavior of Pedestrian at Urban Intersections – A Case Study of New Delhi”, 3rd International Conference on Structural Engineering and Construction Management (SECON-22), Springer,” FISAT, Kochi, India. June 01-03, 2022.
21. Khursheed, Salman and Kidwai, Farhan Ahmad. (2022) "Post COVID-19 Access-Egress Attributes for Urban Metro Transit Users in Delhi" Journal of Applied Engineering Sciences, vol.12, no.1, 2022, pp.53-60. <https://doi.org/10.2478/jaes-2022-0009>.
22. Haque, F., Kidwai, F.A (2021), Modeling Pedestrian Behavior at an Urban Signalized Intersection, Journal of the Eastern Asia Society for Transportation Studies 14, 1334-1348.
23. Khursheed,S., Kidwai, F.A (2021), Evaluation of Users Approbation Indicators of Delhi Metro, 8th International Conference on Transportation Systems Engineering & Management (CTSEM 2021), August 26 - 27, NIT Calicut, India.
24. Ahad A., Kidwai F.A., Khan Y., Anwar W. (2020) Application of ICT in Parking System. In: Ahmed S., Abbas S., Zia H. (eds) Smart Cities—Opportunities and Challenges. Lecture Notes in Civil Engineering, vol 58. Springer, Singapore. https://doi.org/10.1007/978-981-15-2545-2_1
25. Shadab Ahmad, Kidwai F.A. Ahmad K. (2019).” Evaluating Traffic-related Near-road CO Dispersions on an Urban Road During Summer Season: A Model Inter-comparison” Asian Journal of Water, Environment and Pollution, Vol. 16, No. 1 (2019), pp. 69–79.
26. Shadab Ahmad, Kidwai F.A. Ahmad K. (2018).” Prediction and Analysis of Near-road CO Concentrations due to Heterogeneous Traffic Using a Simplified-type Dispersion Model” Asian Journal of Water, Environment and Pollution, Vol. 15, No. 4 (2018), pp. 131–142.

27. Shadab Ahmad, Kidwai F.A. Ahmad K. (2018).” A unique mode for predicting near-road traffic related CO dispersion in city environment” Journal of Advance research in Dynamical and Control Systems, Vol. 10,04-Special Issue, pp. 2141–2147.
28. Shadab Ahmad, Kidwai F.A. Ahmad K. (2018).” Prediction and examination mixed traffic related near-road concentrations by a simplified-type dispersion model” 2nd International Conference on Trends and Recent Advances in Civil Engineering (TRACE-2018), 23-24 August 2018, Amity University, U.P., India.
29. Shadab Ahmad, Kidwai F.A. Ahmad K. (2018).” A unique mode for predicting road traffic related CO dispersion in city environment” 51st International Conference on Latest Researches in Engineering Science and Management, 30-31 March, 2018, New Delhi, India.
30. Shadab Ahmad, Kidwai F.A. Ahmad K. (2018).” Comparative assessment of modeling and simulation of heterogeneous traffic flow” 51st International Conference on Latest Researches in Engineering Science and Management, 30-31 March, 2018, New Delhi, India.
31. Ibrahim, M.R, Karim, M.R. and Kidwai, F.A. (2008). "The Effect of Digital Count-Down Display on Signalized Junction Performance", American Journal of Applied Sciences Vol.5 (5), pp 479 – 482, USA, ISSN 1546-9239.
32. Kidwai, F.A., Karim, M.R. and Ibrahim, M.R. (2005). "Traffic Flow Analysis of Digital Count- down Signalized Urban Intersection", Eastern Asia Society for Transportation Studies, Vol. 5, pp 1301-1308, Japan.
33. Kidwai, F.A, Marwah, B. R., Deb, K. and Karim, M. R. (2005)."A Genetic Algorithm Based Bus Scheduling Model for Transit Network", Eastern Asia Society for Transportation Studies, Vol. 5, pp 477-489, Japan.
34. Khoo, H. L, Karim, M.R, Omar, M. and Kidwai, F.A. (2005)." Macro-simulation of Ramp Metering Using SIMUL8”, Eastern Asia Society for Transportation Studies, Vol. 5, pp 1595-1609, Japan.
35. Ibrahim, N. I, Kidwai, F.A and Karim, M.R. (2005)."Motorist and Pedestrian Interaction at Unsignalised Pedestrian Crossing", Eastern Asia Society for Transportation Studies, Vol. 5, pp 120-125, Japan.
36. Kidwai, F.A., Karim, M.R. and Ibrahim, M.R. (2004), “"Effect of Digital Countdown Timer on Urban Intersection Capacity"”, MUTRF Conference 2004, 01-02 December, Pan Pacific Glenmarie, Shah Alam, Selangor Darul Ehsan, Malaysia.
37. Karim, M.R, Kidwai, F.A. and Ibrahim, M.R. (2004), "A Preliminary Study on the Performance of Digital Countdown Traffic Signal", Paper presented at 3rd MKJR meeting at Muar, Johor, 10-11 September 2004, Malaysia.
38. Kidwai, F. A. and Tan, M. W. (2004). "Capacity Analysis of Signalized Urban Intersection", AWAM2004, 20-22 July, School of Civil Engineering, University Science Malaysia, Pinang, Malaysia.

39. Kidwai, F. A. and Nawam, F. (2004). "Study of the Effect of Fly Ash on CBR Value for Subgrade Soil", NACET04, 26 – 27 May, University of Malaya, Kuala Lumpur, Malaysia.
40. Kidwai, F. A. (2003). "Optimal Allocation of Buses in Transit Network Using Genetic Algorithm", Conference on Transport Management", 20 – 22 October, Shah Alam, Selangor Darul Ehsan, Malaysia.
41. Kidwai, F. A. (2002). "Transport Network Management Using GIS", MUTRF Conference 2002, 22-23 October, University Malaya, 50603 Kuala Lumpur, Malaysia.
42. Kidwai, F. A. (2001). "Role of IT in Transportation", Workshop on IT for All, Indian Society for Environmental Management, New Delhi.
43. Kidwai, F.A. and Zaheer, S. (1999). "Road Safety in Delhi - A Challenge for the New Millennium", International Conference ECNM '99, New Delhi.
44. Singh, B., Kidwai, F.A. and Bhattacharya, A. (1998). "Review of Research and Literature on Intersection Simulation Models", Highway Research Bulletin, Journal of Indian Roads Congress, Dec. 1998, pp 109-121.
45. Marwah, B. R., Kidwai, F.A. and Singh, B. (1996). "Intelligent Vehicle Highway System An Overview and Perspective", International Conference NCCDC, New Delhi.
46. Singh, B., Kidwai, F. A. and Khalil, F.A. (1996). "Computer Aided Design and its Application in Transportation Systems Engineering", International Conference NCCDC, New Delhi.
47. Singh, B., and Kidwai, F.A. (1996). "A Review of Fuzzy Sets Applied to Civil Engineering with Special Emphasis on Transport", International Conference INCARF, New Delhi.
48. Palaniswamy, S. P., Singh, B., and Kidwai, F.A. (1996). "Computer Aided Design and its Application in Transportation Systems Engineering", International Conference INCARF, New Delhi.
49. Singh, B., and Kidwai, F.A. (1995). "Study of Encroachment and other Congestion Factors on Kanpur Roads and Development of Various Improvement Measures", International Conference ICORT-95, New Delhi. (Presented).
50. Chandra, S., Kidwai, F.A. and Sikdar, P.K. (1992). "Determination of Intersection Approach Capacity", National Seminar on Advances in Transportation Systems, IIT Madras.



Prof. Farhan Ahmad Kidwai

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