

## Brief about Dr. Syed Aqeel Ahmad



Dr. Syed Aqeel Ahmad has completed B.Tech. in Civil Engineering and Master's in **Transportation Planning from Institute of National Importance - School of Planning and Architecture New Delhi**; also awarded PhD in the area of Traffic Noise. Having total **experience of 24 years** in academics and consultancy in the area of Traffic Engineering and Transportation Planning.

He is **Professor & Head** of the Department; Civil Engineering, also **Director-Human Resource Development Centre (HRDC) and Deputy Controller of examinations** in the Integral University, Lucknow. He is also a **Certified Road Safety Auditor** and empanelled safety consultant with Ministry of Road Transport & Highways (MoRT&H) and National Highway Authority of India (NHAI).

Worked on various projects of World Bank, NHAI, PWD, State Government and private developers. Also worked as Deputy Director at National Capital Region Planning Board (NCRPB), Ministry of Housing and Urban affairs, Govt. of India, New Delhi. Wherein, he was a part of various **Govt. of India's delegation to USA, UK, France, Germany, South Korea, Philippines, Singapore and Malaysia**. He had been key person in development of **"Regional Rapid Transport System" (RRTS) – high speed rail connectivity** in National Capital Region; Delhi-Meerut as the first RRTS corridor is under implementation. He also played an important role in preparation of **"Reciprocal Common Transport Agreement"** for seamless movement of vehicles in National Capital Region (NCR).

Have published around **86 research papers in National and International Journals and Conferences of repute and also contributed various book chapters**. Also received **award as Best Professor** in Civil Engineering Studies by Business School Affaire & Dewang Mehta National Education Awards in the year 2019 and **"Best researcher award"** by VG Good Technology Factory in the 9<sup>th</sup> International Scientist Awards on Engineering, Science and Medicine held in Sep 2020, Trichy India.

## Curriculum Vitae



Name : **Dr. Syed Aqeel Ahmad**  
Present Post: : Professor, Department of Civil Engineering,  
Director-Human Resource Development Centre (HRDC), and  
Deputy Controller of Examinations, Integral University, Lucknow  
Father's Name : Late Mr. S.M. Ashfaq Ahmad  
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Profession : ***Transportation Planning & Engineering***

### ***A. Key Qualification:***

Doctor of Philosophy (Ph.D.) in the field of Transportation with research topic “*Assessment of Impact of Traffic Noise on Residential Areas along Urban Roads: Case Study-Delhi Urban Area*”. Post-graduate in ‘Masters in Planning with Specialization in Transportation Planning’ from country's Premier Institute; School of Planning and Architecture, New Delhi with a bachelor degree in Civil Engineering.

Have experience of more than 19 years in the field of Transportation Planning and Engineering. Worked extensively in the preparation of road safety audit studies, urban transportation plans, feasibility studies for various highway projects including BOT projects, traffic management, operation and maintenance of highway projects, inland container terminal and urban infrastructure services. An effective team player with leadership skills, highly result and quality oriented. Worked on a number of projects funded by state PWD's, international organizations like World Bank and Private Developers. Proficient in Windows Operating System, AutoCAD, hands on experience on GIS.

As Assistant Director (Technical)/Deputy Director (Technical) at NCR Planning Board, Ministry of Urban Development, Govt. of India was in-charge of Transportation Sector, worked exclusively on framing of Terms of References (ToR) of the Studies, preparation of Request for Proposal (RFP) documents, development of evaluation criteria of consultants at Expression of Interest (EoI) & Technical Proposal stage and thereafter monitoring of studies. Involved in inter-state coordination, implementation of policies and proposals of Regional Plan-2021 for NCR, Preparation of ‘Reciprocal Common Transport Agreement’ for seamless movement of vehicles in NCR. Involved in preparation of Memorandum for Expenditure Finance Committee (EFC) for formation of a SPV i.e. National Capital Region Transport Corporation Ltd. (NCRTC) for designing, developing, implementing, financing, operating and maintaining Regional Rapid Transit System (RRTS) in National Capital Region (NCR). Examined various Master Plans of

NCR towns, reviewed physical progress of various infrastructure projects funded by NCR Planning Board, handled court cases related to transportation and parliament questions.

Having sixteen years of teaching experience, out of which eight years as full time faculty member in Integral University, Lucknow as Associate Professor/Professor and eight years of teaching experience as visiting faculty in School of Planning & Architecture, New Delhi and Faculty of Architecture and Ekistics, Jamia Millia Islamia University, New Delhi. Participated in seven overseas trainings/capacity building programmes/conference in London, Paris, Frankfurt, San Francisco, New York, Seoul, Malaysia, Singapore and Manila and six training/workshops in India at IIT-Kanpur; School of Planning & Architecture, New Delhi; National Institute of Training for Highway Engineers (NITHE), Noida, UP; Council for Social Development, New Delhi; Central Road Research Institute (CRRI), New Delhi & Institute of Urban Transport (IUT), New Delhi.

**B. Educational Qualification:**

S. No.	Exam Passed	Name of Board/University	Year of Passing	Division
1.	Doctor of Philosophy (Ph.D.)	Integral University, Lucknow	2015	-
2.	Masters in Transport Planning	School of Planning and Architecture, New Delhi.	1999	First
3.	GATE	-	1997	92.36 Percentile
4.	B.Sc. Engg. (Civil)	Jamia Millia Islamia, New Delhi.	1996	First
5.	S.S.C. (Class XII)	Jamia Board, New Delhi.	1992	First
6.	High School	U.P. Board, Lucknow.	1990	First

**C. Publications:**

1. Syed Aqeel Ahmad, Tabish Izhar, Tasneem Ahmed and Neha Mumtaz “Evaluation of Artificial Intelligence in the Structural Engineering Domain” Indian Journal of Natural Sciences Vol.15, Issue 84, Jun 2024 pp. 73810- 73818, ISSN: 0976 – 0997 (Scopus INDEXED)
2. Vikash Singh, Sumit Kumar Chaudhary, Rajat Verma, Mohd Riyaz, Md. Sajid, Syed Aqeel Ahmad “Harnessing Waste Glass Powder for Soil Modification” I-manager’s Journal of Civil Engineering Vol 14 No. 1, March 2024, pp.1-10, Print: 2231-1068 || Online: 2249-0779 DOI : <https://doi.org/10.26634/jce.14.1.20553> (Google Scholar)
3. Tabish Izhar, Syed Aqeel Ahmad, and Neha Mumtaz “Multiobjective design optimization of reinforced concrete beam coupled with market practice based constructability function using simulated annealing” Asian Journal of Civil Engineering Vol 25, March-2024, pp. 3901–3914, ISSN: 1563-0854 Springer-2024) (SCOPUS INDEXED) (Google Scholar)
4. Syed Aqeel Ahmad, Tabish Izhar, Tasneem Ahmed and Neha Mumtaz “Transformative role of machine learning in design optimization of reinforced concrete frames” International Journal of Advanced Technology and Engineering Exploration, Vol 11(112), March-2024, pp. 437-458, ISSN (Print): 2394-5443 ISSN (Online): 2394-7454, <http://dx.doi.org/10.19101/IJATEE.2023.10102336> (SCOPUS INDEXED)
5. Mohd Sadat, Syed Aqeel Ahmad, Mehmet Ali Silgu, Shrish Bajpai and Digvijay Pandey “A Study on Environmental Impact of SlowMoving Electric Vehicles Using Microsimulation on Lucknow Urban Road With an On-Ramp” Environmental Health Insights: Sage Journals, Vol. 18, March 2024, pp. 1-12, ISSN (Print): 1178-6302, ESCI

- (impact factor 2.7) and Scopus (Q2) DOI: 10.1177/11786302241231706 (SCI INDEXED)
6. Zishan Raza Khan, Syed Aqeel Ahmad & Vikash Singh “Water Transmissible Pavement: A physics of Granular Sub-base Permeability through Road Dust Analysis using Machine Learning” Indian Journal of Pure & Applied Physics, Vol. 62, March 2024, pp. 274-284, (SCI INDEXED)
  7. Samreen Bano, Neha Mumtaz, Farheen Bano, Vikash Singh & Syed Aqeel Ahmad “Production of structural concrete and the effects of various waste materials on concrete used as partial replacements for cement” Indian Journal of Engineering & Materials Sciences (IJEMS), ISSN: 0975-1017, Vol. 31, February 2024, pp- 124-136, (IF= 0.9) (*Google Scholar*)
  8. Samreen Bano, Neha Mumtaz, Farheen Bano, Syed Aqeel Ahmad “A scientific investigation explores the application of machine learning to assess the compressive strength of red mud-based concrete, enhanced with fly ash, for potential use as a building construction material” Asian Journal of Civil Engineering, ISSN:1563-0854, Springer-2023) (*SCOPUS INDEXED*) (*Google Scholar*)
  9. Zishan Raza Khan, Syed Aqeel Ahmad “Clog-Resistant Permeable Pavement: Methods of Performance Measurement” Current World Environment, ISSN:0973-4929, Online ISSN:2320-8031, Vol. 18 No. (2) 2023, June 2023, pp- 524-534 (*Google Scholar*)
  10. Uma Prasad Pandey, Monowar Alam Khalid, Syed Aqeel Ahmad “Characterization of Leachate from a Matured Landfill Site for Assessing its Impact on Neighboring Water Bodies” Journal of Environment and Bio-Sciences, ISSN 073-6913 / e-ISSN 0976-3384, Vol. 36 (I), June 2022, pp- 11-15 (*Google Scholar*)
  11. Sunil Kumar Mishra, Anwar Ahmad, Md Sajid, Dr. Syed Aqeel Ahmad “Determination of Best Suitable Site for Infiltration Well on the Basis of Infiltration Rate of Soil” International Journal of Innovative Research in Technology, (IJIRT), ISSN: 2349-6002, Vol. 8 Issue 12, May 2022, pp- 1089-1094, (IF=7.376) (*Google Scholar*)
  12. Parvaiz Ahmad Shah, Mohd Asim, Syed Aqeel Ahmad “Evaluation of Constraints for implementing Industry 4.0 practices in Construction Projects” International Journal of Innovative Research in Technology, (IJIRT), ISSN: 2349-6002, Vol. 8 Issue 11, April 2022, pp- 335- 344, (IF=7.376) (*Google Scholar*)
  13. Arun Kumar Yadav, Rajiv Banarjee, Md. Sajid, Dr. Syed Aqeel Ahmad “Study & Planning of Integrated Water Resources Management: A Review Paper” International Journal of Innovative Research in Technology, (IJIRT), ISSN: 2349-6002, Vol. 8 Issue 11, April 2022, pp- 95-101, (IF=7.376) (*Google Scholar*)
  14. Sanjiv Misra, Anwar Ahmad, Md. Sajid, Dr. Syed Aqeel Ahmad “A Review Paper on Study & Planning of Inter-Linking Rivers” International Journal of Innovative Research in Technology, (IJIRT), ISSN: 2349-6002, Vol. 8 Issue 11, April 2022, pp- 106-113, (IF=7.376) (*Google Scholar*)
  15. Sunil Kumar Mishra, Anwar Ahmad, Md. Sajid, Dr. Syed Aqeel Ahmad “A Review Paper on the Determination of best suitable site for infiltration well on the basis of infiltration rate of soil at Ekana Stadium Lucknow” International Journal of Innovative Research in Technology, (IJIRT), ISSN: 2349-6002, Vol. 8 Issue 11, April 2022, pp- 188-194, (IF=7.376) (*Google Scholar*)
  16. Uma Prasad Pandey, Monowar Alam Khalid, Syed Aqeel Ahmad “Assessment of Landfill Leachate and its Potential to Contaminate the Ground Water Quality in Near the MSW Unlined Dump Site” Indian Journal of Natural Sciences, ISSN:0976 – 0997 Vol. 12 Issue 68, October 2021 pp- 35267-35278 (*Google Scholar*)

17. Md Sharique, Anwar Ahmad, Dr. Syed Aqeel Ahmad “A Review on Behavior of Concrete Subjected to Extreme Temperature” International Research Journal of Engineering and Technology, (IRJET), ISSN:2395-0056, Vol. 8 Issue 5, May 2021, pp-3864-3868, (IF=7.529) (*Google Scholar*)
18. Vikash Singh, Samreen Bano, Syed Aqeel Ahmad “Use of Waste Tyre as a Light Weight Backfill Material for Retaining Wall” i-manager’s Journal on Structural Engineering, Vol. 9 No. 1 March - May 2020 pp. 35, (*Google Scholar*)
19. Anil Kumar Yadava, Dr. Syed Aqeel Ahmad, “Charactezation of Classified Indian Reclaimed Asphalt Pavement (Rap): Aggregate Impact Value and Aggregate Abrasion Value of Rap Aggregates” International Journal of Engineering and Advanced Technology, (IJEAT), ISSN: 2249-8958, Vol. 09, Issue 03, February 2020 pp. 3913-3921,(IF=5.97)(*Google Scholar*)
20. Anil Kumar Yadava, Dr. Syed Aqeel Ahmad, “Charactezation of Classified Indian Reclaimed Asphalt Pavement (Rap): In-Situ and Lab Density, Bitumen Content and Gradation Characteristics” International Journal of Recent Technology and Engineering, (IJRTE), ISSN: 2277-3878, Vol. 08, Issue 05, January 2020 pp. 4751-4762,(IF=1.0)(*Google Scholar*)
21. Shairam Husain, Mudassir Umer Rizvi, Syed Mohammad Asheraf Husain, Dr. Syed Aqeel Ahmad “Analysis of Flexible Pavement on Black Cotton Soil” Compliance Engineering Journal, ISSN: 0898-3577, Vol. 11, Issue 10, 2020 pp. 400-408 (*Google Scholar*)
22. G. Islamuddin, M.A. Khalid, S.A. Ahmad “Study of eco-friendly agricultural wastes as non-conventional low cost adsorbents: A review” Ukrainian Journal of Ecology, July 2019, pp- 68-75, (*Google Scholar*)
23. Sabih Ahmad, Abdullah Anwar, Bashar S. Mohammed, Mubarak bin Abdul Wahab, Syed Aqeel Ahmad “Strength Behavior of Concrete by Partial Replacement of Fine Aggregate with Ceramic Powder” International Journal of Recent Technology and Engineering, (IJRTE), ISSN: 2277-3878, Vol. 8 Issue 2, July 2019, pp- 5712-5718, (IF=0.1) (DOI: 10.3594) (SCOPUS INDEXED) (*Google Scholar*)
24. Anil Kumar Yadava, Dr. Syed Aqeel Ahmad, “Charactezation of Indian Reclaimed Asphalt Pavement (Rap) on the Basis of Sources of Rap and Gradation Characteristics of Rap Aggregates” International Journal of Innovative Technology and Exploring Engineering, (IJITEE), ISSN: 2278-3075, Vol. 08, Issue 07, May 2019 pp. 2402-2408,(IF=3.32)(SCOPUS INDEXED)(*Google Scholar*)
25. Vikash Singh, Samreen Bano, Aditya Kumar Gautam, Dr. Syed Aqeel Ahmad, “Feasibility of Geo-textile in Transportation Engineering-An Overview” International Journal of Technical Innovation in Modern Engineering & Science, (IJTIMES), E-ISSN: 2455-2585, Vol. 5, Issue 04, April 2019, pp- 655-663,(IF=5.22) (*Google Scholar*)
26. Vikash Singh, Samreen Bano, Anand Kumar Yadav, Dr. Sabih Ahmad, Dr. Syed Aqeel Ahmad, “Seismic Analysis of Two Span Cable Stayed Bridge” International Journal for Scientific Research & Development, (IJSRD), ISSN (Online): 2321-0613, Vol. 7, Issue 02, April 2019, pp- 175-178 (IF=4.39) (*Google Scholar*)
27. Samreen Bano, Vikash Singh, Syed Aqeel Ahmad, “Turbidity Curtain: An Approach” Indian Conference on Geotechnical and Geo-Environmental Engineering (ICGGE-2019) March 01-02, 2019, MNNIT, Allahabad.
28. U.P. Pandey, Prof. M. A. Khalid, Prof. Syed Aqeel Ahmad, “Paradigm Shift in Municipal Solid Waste Treatment and Disposal Technology: A Review” International Journal of

- Research and Analytical Reviews, (IJRAR), E-ISSN: 2348-1269, P-ISSN: 2349-5138, Vol. 6, Issue 1, February 2019 pp- 944-949(*IF=5.75*) (*Google Scholar*)
29. Anil Kumar Yadav, Dr. Syed Aqeel Ahmad, “A Critical Review of Characterization and Performance Evaluation of Reclaimed Asphalt Pavement (Rap) In Road Construction” International Journal of Civil Engineering and Technology, (IJCIET) Vol. 10, Issue 01, January 2019, P-ISSN: 0976-6308, E-ISSN: 0976-6316, pp. 1379-1389 (*IF=0.29*)(*SCOPUS INDEXED*) (*Google Scholar*)
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  31. Mohd Javed Ali, Anwar Ahmad, Dr. Syed Aqeel Ahmad, “A Review Paper on Evaluation and Performance of Concrete by Partial Replacement of Fine Aggregate by Stone Dust and Coarse Aggregate by Construction Waste for Rigid Pavement in Rural Areas” International Journal of Engineering Trends and Technology, (IJETT), ISSN: 2231 – 5381, Vol. 59, Issue 5, May 2018, pp- 228-232(*IF=2.45*) (*Google Scholar*)
  32. Mohd Zaid Malik., Rajiv Banerjee and Syed Aqeel Ahmad “A Review Paper on Implementation of Total Quality Management (TQM) In Construction Industry” International Journal of Recent Scientific Research, (IJRSR), ISSN: 0976-3031, Vol. 9, Issue 5, May 2018, pp- 26515-26517 (*IF=5.97*) (*Google Scholar*)
  33. Satish Kumar Vishwakarma, Anwar Ahmad, Syed Aqeel Ahmad and Rajiv Banerjee, “Effect of Saline Water on Concrete with Partial Replacement of Cement with Silica Fume and Fine Aggregate With Stone Dust” International Journal of Recent Scientific Research, (IJRSR), ISSN: 0976-3031, Vol. 9, Issue 5, May 2018, pp- 26715-26721(*IF=5.97*) (*Google Scholar*)
  34. Kuldeep Kumar Chaudhary, Sabih Ahmad, Syed Aqeel Ahmad, Anwar Ahmad and Rajiv Banerjee, “Analytical Study on the Structure Behavior of Regular and Irregular Space Frame by Staad. Pro V8i” International Journal of Recent Scientific Research, (IJRSR), ISSN: 0976-3031, Vol.9, Issue 5, May 2018, pp 26749-26754(*IF=3.166*) (*DOI: 10.24327*) (*Google Scholar*)
  35. Mudit Kumar Verma, Syed Aqeel Ahmad., Anwar Ahmad and Rajiv Banerjee, “Design and Comparison of Multistoried Building of R.C.C. Section and Composite Section by Staad.pro v8i and Manual” International Journal of Recent Scientific Research, (IJRSR), ISSN: 0976-3031, Vol.9, Issue 5, May 2018, pp- 26755-26761(*IF=3.166*) (*DOI: 10.24327*) (*Google Scholar*)
  36. Asra Faizan, Anwar Ahmad., Syed Aqeel Ahmad and Mohd Sadat “A Review Paper on Comparison of Concrete Properties by Using Different Types of Fine Aggregate Available in Lucknow” International Journal of Recent Scientific Research, (IJRSR), ISSN: 0976-3031, Vol. 9, Issue 4, April 2018, pp- 26170-26174(*IF=6.86*) (*DOI:10.24327*) (*Google Scholar*)
  37. Ravi Prakash Srivastav, Anwar Ahmad, Dr. Syed Aqeel Ahmad, Rajiv Banerjee “Review Paper on Effect on Concrete Properties Using Various Methods of Curing” International Journal of Creative Research Thoughts, (IJCRT), ISSN: 2320-2882, Vol. 6, Issue 2, April 2018, pp- 535-539(*IF=7.97*) (*DOI:10.4225*) (*Google Scholar*)
  38. Syed Ali Baquer, Mr Anwar Ahmed, Dr. Syed Aqeel Ahmad “Analysis of Delay in Construction In Multistoreyed Residential Buildings” International Journal of Creative Research Thoughts, (IJCRT), ISSN: 2320-2882, Vol. 6, Issue 1, March 2018, pp- 1660-1676 (*IF=7.97*) (*DOI:10.4225*) (*Google Scholar*)

39. Kuldeep Kumar Chaudhary, Sabih Ahmad, Dr. Syed Aqeel Ahmad, Anwar Ahmad, Rajiv Banerjee, "A Review Paper on Analytical Study on the Structure Behaviour of Regular and Irregular Space Frame by Staad. Pro V8i" International Journal of Creative Research Thoughts, (IJCRT), ISSN: 2320-2882, Vol. 6, Issue 1, March 2018, pp- 1622-1627(IF=7.97) (DOI:10.4225) (Google Scholar)
40. Mudit Kumar Verma, Sabih Ahmad, Dr. Syed Aqeel Ahmad, Anwar Ahmad, Rajiv Banerjee, "A Review Paper on Design and Comparison of Multi-Storied Building of R.C.C Section and Composite Section by Staad. Pro V8i and Manual" International Journal of Creative Research Thoughts, (IJCRT), ISSN: 2320-2882, Vol. 6, Issue 1, March 2018, pp- 334-338 (IF=7.97) (DOI:10.4225) (Google Scholar)
41. Muzammil Ahmed, Abdullah Anwar and Syed Aqeel Ahmad, "A Literature Review on Study of Concrete Strength using Partial Replacement of Cement with Rice Husk Ash and Fine Aggregate with Ceramic Powder" International Journal of Recent Scientific Research, (IJRSR), ISSN (Online): 0976-3031, Vol.9, Issue 3, March 2018, pp 23083-23086 (IF=6.86) (DOI:10.24327) (ICI INDEXING) (UGC Approved) (Google Scholar)
42. Md. Arman, Mr. Anwar Ahmad, Dr. Syed Aqeel Ahmad and Mr. Rajiv Banarjee, "Analysis & Designing G+10 Storied Building by Struds & STAAD Pro Software & Comparing the Design Results" International Journal for Scientific Research & Development, (IJSRD), ISSN (online): 2321-0613, Vol. 6, Issue 01, March 2018, pp 701-704(IF=3.166) (Google Scholar)
43. Satish Kumar Vishwakarma, Dr. Syed Aqeel Ahmad, Mr. Anwar Ahmad and Mr. Rajiv Banarjee, "A review Paper on Effect of Saline Water on Concrete With Partial Replacement of Cement With Silica Fume and Fine Aggregate With Stone Dust" International Journal of Creative Research Thoughts, (IJCRT), ISSN (online): 2320-2882, Vol. 6, Issue 01, March 2018, pp 701-704(IF=5.97) (Google Scholar)
44. Madan Singh, Rajiv Banerjee, Dr. Syed Aqeel Ahmad and Anwar Ahmad, "A Review Paper on Appropriate Location of Shear in Building to Reduce Reinforcement Consumption by Staad. Pro V8i" International Journal of Creative Research Thoughts, (IJCRT), ISSN (online): 2320-2882, Vol. 6, Issue 01, March 2018, pp 1089-1093.(IF=5.97) (Google Scholar)
45. Abdullah Anwar and Syed Aqeel Ahmad, "An Experimental Investigation on Strength Behaviour of Concrete by Partial Replacement of Fine Aggregate with Copper Slag and Cement with Silica Fume" International Journal of Computer Science and Engineering, (IJCSE), ISSN (Online): 2347-2693, Vol.6, Issue 1, January 2018, pp 177-185 (IF=2.638) (DOI:10.26438) (ICI Indexing) (UGC Approved) (Google Scholar)
46. Shumank Deep, Mohd Asim, Syed Aqeel Ahmad, "Earned Value based Liability Calculation Algorithm for Schedule Delays in Construction Projects" Indian Journal of Science and Technology, (IJST), ISSN: 0974-5645, Vol. 10, Issue 15, April 2017, (IF=1.63) (DOI: 10.17485) (Google Scholar)
47. Abhinav Shyam, Abdullah Anwar and Syed Aqeel Ahmad, "Experimental Study on the Behavior of Copper Slag as Partial Replacement of Fine Aggregate in Concrete" International Journal for Research in Applied Science and Engineering Technology, (IJRASET), ISSN (Online): 2321-9653, Vol.5, Issue 4, April 2017, pp 1465-1474 (IF=3.166) (DOI:10.22214) (Google Scholar)
48. Shahzad Umer, Anwar Ahmad, Syed Aqeel Ahmad and Samrul Huda, "Cost Optimization of RC Godown", International Journal of Civil Engineering and Technology (IJCIET), ISSN: 0976-6308, Vol. 8, Issue 3, March 2017, pp 244-251,(IF=9.7820) (SCOPUS INDEXED) (Google Scholar)

49. Samrul Huda, Anwar Ahmad, Syed Aqeel Ahmad and Zishan Raza Khan, “An Experimental Study of Fly Ash Concrete with Steel Fiber Hooked Ends to Obtain Strength of M30 Grade”, *International Journal of Civil Engineering and Technology (IJCIET)*, ISSN: 0976-6308, Vol. 8, Issue3, March 2017, pp282-291(*IF=9.7820*) (*SCOPUS INDEXED*) (*Google Scholar*)
50. Abhinav Shyam, Abdullah Anwar and Syed Aqeel Ahmad, “A Literature Review on Study of Silica Fume as Partial Replacement of Cement in Concrete” *International Journal of Advanced Engineering Management and Science, (IJAEMS)*,ISSN (Online): 2454-1311, Vol.3, Issue 3, March 2017, pp 250-253(*IF=3.661*) (*Google Scholar*)
51. Samarul Huda, Anwar Ahmad, Dr. Syed Aqeel Ahmad, Zishan Raza Khan, “Analysis of Cost (M30 Grade) of Concrete by Partial Replacement of Fly Ash with Cement and Addition of Steel Fiber” *International Journal of Engineering Researches and Management Studies, (IJERMS)*, ISSN: 2394-7659, Vol. 4, Issue 3, March 2017, pp-49-59(*IF=2.789*) (*Google Scholar*)
52. Mohd Asim, Shumank Deep and Dr. Syed Aqeel Ahmad, “Time Impact Study of Real Estate Sector Construction Projects Post Application of Lean Principles for Delay Resolutions” *International Journal of Civil Engineering and Technology, (IJCET)*, ISSN: 0976-6316, Vol. 8, Issue 2, February 2017, pp.89–99. (*IF=9.7820*)(*SCOPUS INDEXED*) (*Google Scholar*)
53. Deep, S., Singh, D. and Ahmad, S.A. (2017) “A Review of Contract Awards to Lowest Bidder in Indian Construction Projects via Case Based Approach” *Open Journal of Business and Management, (OJBM)*, ISSN: 2329-3284, Vol. 5, Issue 1, January 2017, pp 159-168. (*IF= 0.60*) (*DOI:10.42350*) (*Google Scholar*)
54. Abhinav Shyam, Abdullah Anwar and Syed Aqeel Ahmad, “Effect of Copper Slag as Partial Replacement of Fine Aggregate in Concrete: A Literature Review” *International Journal of Innovative Research in Science, Engineering and Technology, (IJIRSET)*, ISSN (Print):2347-6710 and ISSN (Online): 2319-8753, Vol.5, Issue 12, December 2016, pp 20786-20789(*IF=6.209*) (*DOI:10.15680*) (*Google Scholar*)
55. Mohd Asim, Shumank Deep, Dr. Syed Aqeel Ahmad, “Analysis of Delays in Indian Real Sector Construction Projects and their Impact on Overall Project Performance” *International Conference in Construction, Real Estate, Infrastructure and Project Management (ICCRIP–2016)* At: National Institute of Construction Management and Research, Pune.
56. Anwar Ahmad, Dr. Syed Aqeel Ahmad, Mohd. Kashif Khan, Himanshu, “Study of Concrete Properties using Bone Powder by Partial Replacement of Cement” *International Journal for Science and Advance Research in Technology, (IJSART)* ISSN (Online): 2395-1052, Vol. 2, Issue 8, August 2016, pp-226-231 (*IF=0.21*)(*Google Scholar*)
57. Abdullah Anwar, Sabih Ahmad and Syed Aqeel Ahmad, “Performance of Waste Coconut Shell as Partial Replacement of Natural Coarse Aggregate in Concrete” *International Journal of Scientific and Engineering Research, (IJSER)*, ISSN(Online): 2229-5518, Vol.7, Issue 8, August 2016, pp 1802-1809. (*IF= 3.80*)(*Google Scholar*)
58. Anwar Ahmed, Mohammad Kashif Khan, Dr. Syed Aqeel Ahmad, Athar Hussain “Studying the Properties of Concrete with Copper Slag and Glass Wool Fiber” *International Journal of Emerging Technologies in Engineering Research, (IJETER)*, ISSN: 2454-6410, Vo. 4, Issue 5, May 2016, pp226-231 (*IF=0.21*) (*Google Scholar*)
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60. Anwar Ahmad, Dr. Syed Aqeel Ahmad, Mohd. Kashif Khan, Devendra Yadav, “Study the Method of Controlling Bleeding in Concrete using Aluminum Powder” International Journal of Emerging Technologies in Engineering Research, (IJETER), ISSN:2454-6410, Vol. 4, Issue 5, May 2016, pp-168-181(*IF=4.22*) (*Google Scholar*)
61. Anwar Ahmad, Dr. Syed Aqeel Ahmad, Mohd. Kashif Khan, Devendra Yadav, “Study the Effects of Aluminium Powder to Controlling the Bleeding Capacity of Concrete” International Journal for Science and Advance Research in Technology, (IJSART), ISSN: 2395-1052, Vol. 2, Issue 5, May 2016, pp-399-402 (*IF=3.55*)(*Google Scholar*)
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63. Syed Mohammad Atif, S.M. Ashraf, Syed Aqeel Ahmad, Mohammad Kashif Khan, “To Enhance the Engineering Properties of Soil by Lime and Fly Ash for the Structures Foundation” International Journal for Science and Advance Research in Technology, (IJSART), ISSN: 2395-1052, Vol. 2, Issue 4, April 2016, pp-311-313(*IF=3.55*) (*Google Scholar*)
64. Abdul Ahad, Zishan Raza Khan, Syed Aqeel Ahmad, Mohammad Tayyab, “Role of IT in Parking Management” International conference on Advancement in Computer Engineering & Information Technologies, (ACEIT-16) 12<sup>th</sup> March 2016.
65. Syed Aqeel Ahmad, P K Sarkar, Hom Nath Dhungana, “A Study of Noise & Development of Traffic Noise Annoyance Models” International Journal of Transportation Technologies, (IJTST), ISSN: 2160-0481, Vol. 5. No.4, October 2015, pp-185-190 (*IF=1.32*) (*DOI:10.4236*) (*Google Scholar*)
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67. Shumank Deep Srivastava, Syed Aqeel Ahmad, Naveen Prakash Rao, S.M. Ashraf Husain, “Comparative Analysis of Modification of Bitumen by use of Poly Vinyl Chloride and Ethyl Vinyl Acetate” International Journal of Research in Engineering and Technology (IJRET), E-ISSN: 2319-1163, P-ISSN: 2321-7308, Vol. 04 Issue: 08, August2015, pp-389-391(*IF=3.93*) (*Google Scholar*)
68. Abdullah Anwar, Sabih Ahmad, Syed Mohd. Ashraf Husain and Syed Aqeel Ahmad, “Replacement of Cement by Marble Dust and Ceramic Waste in Concrete for Sustainable Development” International Journal of Innovative Science, Engineering and Technology, (IJISSET), ISSN: 2348-7968, Vol. 2, Issue 6, June 2015 pp-496-503 (*IF= 4.332*) (*Google Scholar*)
69. Abdullah Anwar, Sabih Ahmad, Syed Aqeel Ahmad, Juned Ahmad and Syed Mohd. Ashraf Husain, “Investigating the Compressive Strength of Concrete by Partial Replacement of Cement with High Volume Fly Ash” International Journal of Current Engineering and Technology (IJCET), International Press Corporation (INPRESSCO), E-ISSN: 2277-4106, P-ISSN: 2347-5161, Vol. 4, Issue 6, December 2014, pp-4162-4166 (*IF= 6.125*) (*Google Scholar*)
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- Marble Dust Powder” International Journal on Mechanical Engineering and Robotics (IJMER) , ISSN: 2321-5747, Vol. 2, Issue3, December 2014, pp-1-4 (*IF= 1.95*) (*Google Scholar*)
71. Syed Aqeel Ahmad, P.K. Sarkar “Traffic Noise Studies on Arterial and Collector Roads in Delhi, India” International Journal of Structural and Civil Engineering Research” (IJSCER), ISSN: 2319-6009, Vol. 3, Issue2, May 2014, pp-138-150 (*IF=3.40*)(*Google Scholar*)
  72. Syed Aqeel Ahmad, P.K. Sarkar, “A Review of Traffic Noise Standards and Noise Models”-STM Journal, Vol. 1, Issue 1, May 2014(*IF= 4.332*) (*Google Scholar*)
  73. Syed Aqeel Ahmad, P.K. Sarkar, “Need for Noise Standards for Various Types of Roads in Urban Area-A Review” has been published in ‘Indian Highways’ (Special Number), Vol. 42, No.7, ISSN 0376-7256, July 2014, 59-66
  74. Rajeev Malhotra, Syed Aqeel Ahmad “Transport Development Strategies in the National Capital Region, 2032” – Institute of Town Planner, India Journal 9-4, October-December 2012, ISSN 0537-9679, Volume 9, Number-4
  75. P.K. Sarkar, Syed Aqeel Ahmad, An article on “Need for Development of Traffic Noise Standards for Various Types of Roads in Urban Areas”- CSIR-CRRI Diamond Jubilee in July 2012
  76. Syed Aqeel Ahmad, P.K. Sarkar “An Appreciation of Traffic Noise Characteristics on Different Types of Urban Roads in Delhi” - National Conference and Workshop on Recent Advances in Traffic Engineering (RATE 12) held in June 2012 at NIT Surat.
  77. Syed Aqeel Ahmad, Adil Ahmad “Urban Regeneration in the Context of Transportation Planning” in IV National Seminar on Architecture for Masses, Faculty of Architecture and Ekistics, Jamia Millia Islamia, New Delhi, India held on 24<sup>th</sup> – 25<sup>th</sup> March 2011.
  78. P.K. Sarkar, Syed Aqeel Ahmad “Traffic Management through Signal Coordination by Using TRANSYT on an Urban Arterial of Delhi” in a Journal- -‘Indian Highways’, March 2007.
  79. Syed Aqeel Ahmad, Adil Ahmad - “An Alternative Approach Towards Planning of Bridges” in II National Seminar on Architecture for Masses, Jamia Millia Islamia, New Delhi, India held on 3<sup>rd</sup> and 4<sup>th</sup> October, 2005.
  80. Syed Aqeel Ahmad, P.K. Sarkar “Management of Bridge and Immediate Approach Roads, Case Study: Nizamuddin Bridge” in a Journal-‘Indian Highways’, July 2005 Journal published by Indian Road Congress.
  81. P.K. Sarkar, Syed Aqeel Ahmad, Pawan Kumar Singh, N. Sureshwar “An Application of TRANSYT Under Mix Traffic Flow Condition” International Conference on Structural and Road Transportation Engineering (START 2005), held in January 2005 in IIT Khadagpur.
  82. Syed Aqeel Ahmad, P.K. Sarkar “Some Factors Affecting Road Accidents in Developing Countries with Special Reference to India: A review” National Conference on Traffic Engineering & Road Safety in India-Problem and Prospect (TRAFFICON 04) held in November 2004, organized by Traffic Engineers and Safety Trainers, Bangalore.
  83. Syed Aqeel Ahmad, P.K. Sarkar “Reducing traffic and environment problems using low cost and capital intensive measures” in World Congress Towards More Attractive Urban Transportation, CODATU XI, held between 22<sup>nd</sup> and 24<sup>th</sup> April 2004 in Bucarest, Romania.
  84. Syed Aqeel Ahmad, P.K. Sarkar “Planning of Bridge Approaches in India with Reference to Nizamuddin Bridge, Delhi” International Conference on Transportation Systems Planning and Operation (TRANSPO2004), held in February 2004 in IIT Chennai.

85. Syed Aqeel Ahmad, P.K. Sarkar “Study of traffic problems at Bridge Approaches and their solutions” National Conference on Urban Transport and the Environment held at Belgaum, India between 5<sup>th</sup> and 7<sup>th</sup> June 2003.
86. Syed Aqeel Ahmad, P.K. Sarkar “Evaluation of Alternatives for Planning of Bridge Approaches” 21<sup>st</sup> ARRB and 11<sup>th</sup> REAAA International Conference in Australia, May 2003.
87. Syed Aqeel Ahmad, P.K. Sarkar - “Management of Bridge Approaches in Delhi with Reference to Nizamuddin Bridge: A Review” In Transport Systems-Status and Directions Ed. Kanda A., Vrat P., Agarwal A.L. and Deshmukh S.G., Phoenix Publishing House Pvt. Ltd. New Delhi, 2002.

**D. *Book Chapters:***

1. Tabish Izhar, Dr. Syed Aqeel Ahmad, “Maximizing Efficiency and Sustainability in Concrete Building Frames through Multi-Objective Simulated Annealing” ISSN: 978-93-91303-89-9, Jupiter Publications Consortium, 2023
2. Tabish Izhar, Neha Mumtaz & Syed Aqeel Ahmad, “Artificial Intelligence Transforming Disaster Management Post-COVID-19 in Asian Continent” ISSN: 978-93-5470-897-8, Swaranjali Printers, 2023
3. Geetanjali Kaushik, M. A. Khalid, Nusrat Ali, Syed Aqeel Ahmad “European Best Practices to Mitigate Air Pollution: A Review” Springer, Cham, ISSN: 978-3-319-58538-3, pp- 1-30 DOI: [https://doi.org/10.1007/978-3-319-58538-3\\_233-1](https://doi.org/10.1007/978-3-319-58538-3_233-1), 2022
4. Syed Aqeel Ahmad, Zishan Raza Khan “Sustainable Infrastructure Development” ISSN: 978-93-94070-37-0, AARGON PRESS EG-130, Inderpuri, New Delhi-110012, 2021

**E. *Patent:***

1. Patent has been granted to the patentee for an invention entitled **WATER DUST SEPARATOR FOR CLOG RESISTANT WATER TRANSMISSIBLE PAVEMENTS** as disclosed in the above mentioned application for the term of 20 years from the 14th day of November 2022 in accordance with the provisions of the Patents Act,1970.

**F. *Orientation Programme and Refresher Course:***

- i. Completed 15 days Certification Course on “Road Safety Audit and other Road Safety related Aspects” from 29<sup>th</sup> April 2019 to 13<sup>th</sup> May 2019 at CSIR-Central Road Research Institute, New Delhi.
- ii. Completed Refresher Course on “Basic Sciences” for the duration of 18 working days from 23<sup>rd</sup> June 2018 to 13<sup>th</sup> July 2018 at UGC-HRDC, Aligarh Muslim University, Aligarh.
- iii. Completed Orientation Programme for the duration of 24 working days from 24<sup>th</sup> May 2016 to 20<sup>th</sup> June 2016 at UGC-HRDC, Aligarh Muslim University, Aligarh.

**G. *Institutional / Committee Memberships:***

- Member of Indian Road Congress (IRC)
- Associate Member of Institute of Town Planning of India (ITPI)
- Institute of Urban Transport, India (IUT)
- Institute of Rail Transport (IRT)
- Fellow Member of The Institute of Engineers (India)

- Member of Academic Advisory Committee of UGC Human Resource Development Centre, Aligarh Muslim University (AMU)

#### **H. Professional Experience : Twenty Four Year Plus**

- Oct. 2013 to Till Date** : **At Integral University, Lucknow (nine year plus)**
- Sept. 2017 to till date : Professor Department of Civil Engineering, Integral University, Lucknow
- Oct. 2013 to Sept. 2017 : Associate Professor, Department of Civil Engineering, Integral University, Lucknow
- April 2017 to till date : Head, Department of Civil Engineering, Integral University, Lucknow
- April 2015 to till date : Director, Human Resource Development Centre, Integral University, Lucknow
- April 2017 to till date : Deputy controller of examinations, Integral University, Lucknow
- Feb. 2005 to Sep. 2013** : **National Capital Region Planning Board, Ministry of Urban Development, Govt. of India, New Delhi**
- Feb. 2012 to Sep. 2013 : Deputy Director (Technical)
- Feb. 2005 to Feb. 2012 : Assistant Director (Technical)
- May 1999 to Feb. 05** : **Lea Associate South Asia Pvt. Ltd., New Delhi**
- Apr. 2004 to Feb. 2005 : Senior Planner
- Apr. 2001 to Mar. 2004 : Planner
- May 1999 to Mar. 2001 : Deputy Planner

#### **Tasks Performed Description of Duties**

- Oct. 13 to till date** : **Integral University, Lucknow**
- **Professor/ Associate Professor:**
- As specialized in Transportation Planning, the subjects related to advanced transportation viz. 'Traffic Engineering' and 'Transportation System Planning' are being taught to B.Tech. students. The labs related to transportation, seminar classes and students project works are also undertaken. The subject related to 'Urban Transportation System Planning' is also being taught to M.Tech. students of Construction Technology and Management (CTM).
- Responsibilities includes; completion of course, internal assessment, paper setting and evaluation. The other responsibilities assigned by university management are performed time to time. Deeply involved in departmental activities and its management to improve academic excellence.

Five B.Tech project work have been guided.  
One Ph.D. thesis is under guidance.

▪ **Director, Human Resource Development Centre (HRDC):**

As Director, Academic Staff College, responsible for conducting training programmes, workshops, seminar, faculty development programmes related to up-gradation of skills of teaching, Personality Development, achieving goals of higher education, etc. for the faculty members of Integral University.

As director HRDC, 11 Short Term Courses, 13 Faculty Development Programmes, 17 Workshops/Symposiums/Seminar/Conference and 24 Awareness Programmes /Training Programmes/Expert Lectures are conducted till October 2018.

▪ **Deputy Controller of Examinations:**

As Deputy Controller of examinations, responsible of conducting disciplined examination, managing evaluation, invigilation, scrutiny and other works related to examination.

▪ **Head of the Department:**

As head of the department, responsible for all the works related to smooth running of teaching for day and evening courses, exams, handling of other associated works.

**Consultancy Projects as Faculty Member**

1. Name of the Project : **Safety Consultant for Hybrid Annuity Mode (HAM) projects under Rajasthan State Highway Development Project (RSHDP) II project for 5 roads of the HAM packages 01, 02, 03 and 04 in the State of Rajasthan (World Bank Funded)**  
(September 2022 – Ongoing)  
Description : As Traffic Engineer cum Road Safety Auditor is involved of Road Safety Audit at Design Stage, Construction stage and COD Stage.
2. Name of the Project : **Consultancy Services for carrying out Road Safety Audit of various stretches of National Highway in the State of Arunachal Pradesh, on behalf of Government of India, Ministry of Road Transport & Highways, Regional Office, Itanagar.**  
**(Under Ministry Approval)**
3. Name of the Project : **Consultancy Services for carrying out Independent Road Safety Audits and Suggesting Rectification Measures for Black Spots, Ministry of Road Transport &Highways, Regional Office, Vijayawada**  
(July 2020 – October 2020)  
Description : As Senior Road Safety Auditor involved in identifying vulnerable locations, suggestion of remedial measures to improve the safety of road users at the already identified black spots.

4. Name of the Project : **Consultancy Services for Transport Studies of Delhi Master Plan - MPD** National Institute of Urban Affairs (NIUA), Delhi **2041** (October 2019 – Ongoing)
- Description : As Team Leader involved in organizing and monitoring traffic volume and Origin-Destination survey at various locations in Delhi.
5. Name of the Project : **Consultant for carrying out Road Safety Audit at DPR Stage of Proposed Bundelkhand Expressway and Gorakhpur Link Expressway Projects in the State of Uttar Pradesh,** Uttar Pradesh Expressways Industrial Development Authority (May 2019-June 2019)
- Description : As Traffic Engineer cum Road Safety Auditor was involved in review of typical cross sections, horizontal and vertical alignments, junction drawings, way side amenities, review of drawings on safety calming measures.
6. Name of the Project : **Consultancy Services for preparation of Feasibility Study and Detailed Project Report and providing preconstruction services for Rehabilitation/ Up-gradation of existing roads to 2 lane/ 4 lane with paved shoulders configuration of Highway Starting at Junction of NH-753A near karmad and connecting to Lad sangavi – Chauka – Harsul Sangavi – Naigaonganuri – Yesgaon – Bazar Savangi and terminating at Junction of NH 52 near Kannad “In Principal” declared National Highway in the State of Maharashtra- Package No. CE/DPR/17-18/04”** (January 2019 – ongoing)
- Description : As Traffic and Safety expert coordination and monitoring all the traffic surveys viz. Classified Traffic Volume Count and Roadside Origin- Destination, Speed and Delay survey and Pedestrian Count. Also responsible for present and future traffic demand estimation. Identification of black spots and other vulnerable locations, suggestion of remedial measures to improve the safety of road users. Measures to improve safety at intersections.
7. Name of the Project : **Consultancy services for carrying out Road Safety audit for Widening of existing road to 2 Lane NH standards along with improvement and realignment from Nechipu to Hoj, via Seppa, Khodaso, Saggalee (Part of Trans Arunachal Highway) under Arunachal Pradesh Package of Roads and Highways of SARDP-NE on DBFOT (Annuity) Basis 11** (January 2019 – ongoing)
- Description : As Highway Engineer cum Road Safety Auditor the task is to visit the highway and identify black spots and other vulnerable locations, suggestion of remedial measures to improve the safety of road users. Measures to improve safety at intersections.

8. Name of the Project : **Consultancy Services for carrying out Road Safety Audit of State Highways /MDR/ODR/VR in the State of Uttarakhand: PWD-Govt. of Uttrakhand**  
(May 2018 – March 2019)
9. Name of the Project : **Preparation of Detailed Project Report (DPR) for Improvement/ Upgradation of SH-105 (Bettiah-Narkatiyaganj-Bhikhnatori Road) – Bihar State Road Development Corporation**  
(June 2018 – June 2020)
- Description : As pavement expert, responsible for evaluation of existing road pavement and pavement Design option Flexible/rigid.
10. Name of the Project : **Consultancy services for carrying out Road Safety Audit for the Project Construction of Bridges across Dibang and Lohit river systems including approach roads between Chowkhan-Dibang and Bomjur-Meka in the state of Arunchal Pradesh on DBFOT annuity basis under Arunchal Pradesh package of SARDP-NE**  
(May 2018 – September 2018)
- Description : As traffic engineer, visited the site and identified black spots, suggested remedial measures to improve the safety of both the corridors for day and night. Suggested intersection improvement measures.
11. Name of the Project : **Consultancy Services for Preparation of feasibility study, detailed project report for redesigning, rehabilitation and upgradation of National Highway-444 (Srinagar-Shoplan-Qazigund) to 2 lane with paved shoulder in the State of Jammu and Kashmir**  
(July 2015 – ongoing)
- Description : As Traffic Engineer responsible for coordination and monitoring all the traffic surveys viz. Classified Traffic Volume Count and Roadside Origin- Destination, Speed and Delay survey, Pedestrian Count and Parking surveys. Also responsible for present and future traffic demand estimation.
12. Name of the Project : **Evaluation of Demo Project under Road Safety Component of Andhra Pradesh Road Sector Project (APRSP) including Technical Assistance in implementation**  
(August 2015 – March 2019)
- Description : As enforcement expert responsible for coordination among various implementing agencies related to enhancement of road safety.
13. Name of the Project : **Preparation of feasibility study, detailed project report and survey and preparation of land plan schedule for widening to 2/4 lane with paved shoulders from km 181.121 to 227.60 of NH-167 Haggari –Jadcherla road in the state of Telangana on EPC mode**  
(July 2015 – Nov 2016)

- Description : As pavement expert, responsible for evaluation of existing road pavement and pavement Design option Flexible/rigid. Ensure life cycle costing for various pavement design options.
14. Name of the Project : **Transaction Advisory for Development of Adabari land on PPP Model, Guwahati Municipal Corporation, Government of Assam** (February 2015 – March 2016)
- Description : As Transport Planner responsible for coordinating and monitoring of all the traffic surveys viz. Traffic Volume Count, Parking Survey, Occupancy Survey, Origin- Destination and Boarding-Alighting Survey. Also responsible for present and future traffic demand assessment.
- Feb 05 to Sep.2013 Studies** : **National Capital Region Planning Board, MoUD, New Delhi**  
: **Integrated Transportation Plan for NCR**  
Preparation of Terms of Reference and Request for Proposal document, preparation of advertisement note for Expression of Interest (EoI), establishing evaluation criteria for EoI and Technical Proposal, Evaluation of EoI and Technical Proposals, Selection of Consultant, Preparation of Contract Agreement, Examination of Stage Reports and Monitoring of entire Study.
- Feasibility Study of Delhi-Ghaziabad-Meerut Regional Rapid Transit System (RRTS) Corridors followed by Detailed Project Report (DPR)**  
Preparation of Terms of Reference, Preparation of Contract Agreement, Examination of Stage Reports and Monitoring of the Study.
- Feasibility Study of Delhi-Sonepat-Panipat Regional Rapid Transit System (RRTS) Corridors followed by Detailed Project Report (DPR)**  
Preparation of Terms of Reference, Preparation of Contract Agreement, Examination of Stage Reports and Monitoring of the Study.
- Feasibility Study of Delhi- Gurgaon-Alwar Regional Rapid Transit System (RRTS) Corridors followed by Detailed Project Report (DPR)**  
Preparation of Terms of Reference, Preparation of Contract Agreement, Examination of Stage Reports and Monitoring of the Study.
- Counter Magnet Areas to Delhi and NCR**  
Examination of Stage Reports and Monitoring of the Study
- Water Supply and its Management in NCR**



Preparation of Terms of Reference and Request for Proposal document, preparation of advertisement note for Expression of Interest (EoI), establishing evaluation criteria for EoI and Technical Proposal, Evaluation of EoI and Technical Proposals, Selection of Consultant, Preparation of Contract Agreement, Examination of Inception Report. Thereafter, study was transferred to other officer.

**Formation of  
NCRTC**

Involved in preparation of Memorandum of Understanding (MoU) for implementation of Commuter Transit Projects in NCR i.e. Regional Rapid Transit System (RRTS), which was signed by Government of India and NCR Participating States on 29<sup>th</sup> June 2011. Involved in preparation of Memorandum for Expenditure Finance Committee (EFC) for formation of a SPV i.e. National Capital Region Transport Corporation Ltd. (NCRTC) for designing, developing, implementing, financing, operating and maintaining of RRTS in National Capital Region (NCR). After approval of EFC on 2<sup>nd</sup> May 2013, Union Cabinet approved the formation of NCRTC on 11<sup>th</sup> July 2013. The Memorandum of Article (MoA) and Article of Association (AoA) of NCRTC were also signed on 1<sup>st</sup> August 2013.

**Court Cases**

: Preparation of Affidavit, Vakalatmana, Monitoring of cases related to transportation sector, dealing with advocates, processing of their bills, etc.

**Board Meetings**

: A Committee under the Chairmanship of Cabinet Minister for Urban Development, wherein Chief Ministers NCR constituent States and other senior officers are the members. Preparation of Agenda Notes, Preparation of Action Taken Repots (ATR) for relevant sectors, Arrangements for the Board Meetings, etc.

**Parliament Questions**

: Preparation of reply to Parliament Questions on relevant sectors in time bound manner.

**Review of physical  
infrastructure  
projects**

: Review of physical infrastructure projects on Transport Sector, water supply, sewerage, power and drainage for which loan assistance was provided by NCR Planning Board.

**Seamless Travel in  
NCR**

: Two Reciprocal Common Transport Agreements among NCR Constituent States for unrestricted movement of vehicles in NCR” for “Contract Carriage” and “Stage Carriage” were prepared and consensus among State Governments was evolved by convening number of meetings. Finally “Contract Carriage” was signed on 14<sup>th</sup> October, 2008 and “Stage Carriage” agreement was signed on 22<sup>nd</sup> April, 2010. The movement of NCR Taxis is possible due to signing of “Contract Carriage” agreement through which additional passenger and road taxes for taxis and autos registered in NCR have been abolished.

**Examination of Master Plans** : Master Plans of various towns in NCR are prepared. These Master Plans come to NCR Planning Board for approvals. In this regard Master Plans of 15 towns viz. Noida, Greater Noida, Greater Noida Phase-II, Garhmukteshwar-Brajghat, Modinagar, New Sikandrabad, Gurgaon-Manesar Urban Complex, Meham, Nuh, Dharuhera, Sampla, Taoru, Rewari, Rohtak and Shahjahanabad-Neemrana-Behror (SNB) Urban Complex towns were examined with respect to transportation.

**Empowered Committee meeting** : A Committee under the Chairmanship of Secretary, Ministry of Urban Development, wherein Chief Secretaries of the NCR constituent States and other senior officers are the members. Preparation of Agenda Notes, Preparation of Action Taken Reports (ATR), Follow-up with State Governments for issues related to Empowered Committee. Arrangements for the Empowered Committee Meetings, etc.

**Other works** : Preparation of Cabinet Note and Memorandum of Understanding (MoU) for implementation of Regional Rapid Transit System (RRTS) Corridors in NCR, follow up with Ministry of Road Transport & Highways for implementation of Expressways around Delhi and up-gradation of National Highways in NCR, follow up with Railways for implementation of Rail Projects in NCR, preparation of Notes for Grants for the study on “Integrated Transportation Plan for NCR” and “Feasibility Study of Regional Rapid Transit System (RRTS) Corridors followed by Detailed Project Report (DPR)”, Placing the recommendations of the study on “Counter magnet Areas to Delhi and NCR” to Planning Committee for approval and handling of overall CMA matters, preparation of reply of comments on Draft Regional Plan 2021 and coordination with State Governments and other agencies, etc.

### ***I. Projects Undertaken from May 1999 to January 2005***

1. Name of the Project : **Preliminary Assessment of Financial Viability for Panikoili-Barbil Section of NH 215(Km 0.0 to Km 188.8)**  
(October 2004 – January 2005)  
Description : As Transport Planner responsible for monitoring all the traffic surveys viz. Classified Traffic Volume Count and Roadside Origin-Destination, Willingness to Pay and Speed & Delay survey. Also responsible for data analysis and forecasting of traffic. Panikoili-Barbil section of NH-215 is the area of minerals and ores, which connects Paradip port. The traffic forecast was carried out considering the mineral reserves, its digging rate and deposits.
2. Name of the Project : **Preparation of Detailed Project Report for Manu to Agartala,**

- Project : **section of NH44, Tripura (Km 365 to Km 475)**  
(September 2004 – January 2005)
- Description : As Transport Planner responsible for monitoring all the traffic surveys viz. Classified Traffic Volume Count and Roadside Origin-Destination, Willingness to Pay, Speed and Delay survey, Pedestrian Count and Parking surveys. Also responsible for data analysis and forecasting of traffic.
3. Name of the Project : **Preparation of Detailed Project Report for Panchi Gujran to Panipat, section of NH1 (Km 66 to Km 86)**  
(July 2004 – August 2004)
- Description : As Transport Planner responsible for conducting all the traffic surveys viz. Classified Traffic Volume Count and Roadside Origin-Destination, Willingness to Pay, Speed and Delay survey, Pedestrian Count and Parking surveys. Also responsible for data analysis and forecasting of traffic.
4. Name of the Project : **Technical Assistance to NHAI for Development and Operation of Pilot Corridor Management Units Under World Bank Project**  
(August 2002 – June 2004)
- Description : As a Traffic Engineer working with Emeritus Professor **Dr. S. Ragahava Chari** and other key professionals of Louis Berger Group, Inc; USA. The responsibility includes preparation of survey formats for Inventory of Road Elements and Traffic Elements, Traffic Volume Survey, Speed and Delay Survey, Accident Data Collection, Base for Strip Planning Survey. Conducting all above-mentioned surveys with an emphasis on safety elements. Identification of deficiencies on National Highways and preparation of proposals for bringing them to certain Level of Service. Study of various contracting systems prevailing in India and abroad. Development of strategy for Incident management, Asset management, Traffic management and Maintenance management.  
Assisted NHAI (Corridor Management Unit, Sarita Vihar, New Delhi) for monitoring Operation and Maintenance Contract (Ms. Intertoll, Ms. ICS, Ms. CECONS) for the duration of one year on Delhi-Agra and Delhi-Jaipur corridor.
5. Name of the Project : **Comprehensive Traffic and Transportation Study for Gwalior Urban Area, Madhya Pradesh, funded by Directorate of Urban Development (DUAD), Madhya Pradesh**  
(December 2000 – July 2002)
- Description : As **Project Coordinator**, responsibility included study conceptualization, coordination of various traffic surveys and household survey, identification of problems, issues to be addressed in the process of study and interaction with client agency. As part of **Rapid Action Plan** was involved in planning and designing of footpaths, relocation of tempo stops with design of new tempo stops,

various pedestrian facilities along the corridor and at intersection, intersections improvements, parking management and road signage. The preparation of Transport Plan was based on the future travel demand, was a key player in establishing the travel demand through development and application of the *Land Use Transport Model* and the *four stage modeling process*. The models used include *the Shortest Path Technique, Gravity Model* for calibration and distribution, *All or Nothing Assignment Technique and Logit Model* for modal split in addition to the Land Use Transport Model. Analysed and interpreted the model outputs through extensive application of *GIS (Mapinfo)*.

6. Name of the Project : **Development Plan for The New Capital City of Chattisgarh-International Competition Project, Govt. of Chattisgarh, India**  
(May 2002 – June 2002)
- Description : As transport planner, was in charge of developing the transportation plan for the New Capital City. The tasks performed included conceptualization of the network, application of the land use transport model for population allocation and the four stage UTP model for forecasting the loadings on the network and public transport system selection. The entire concept for the Capital city has been based on an ecological footprint and a transport led plan.
7. Name of the Project : **Traffic Studies for Jaipur- Kishangarh Toll Road Project, Infrastructure Development Finance Company**  
(May 2002)
- Description : As a transport planner, was responsible for coordinating the study aimed at establishing the toll-able traffic for the base year on one of the country's high dense goods vehicle corridor. Responsibilities included conduct of traffic surveys viz., traffic volume counts, origin-destination surveys, willingness to pay surveys and their analysis. Was involved in the projection of the corridor traffic for the design period of the highway, the potential diver table traffic, the toll able traffic.
8. Name of the Project : **Feasibility Study for Dry Port of Rajasthan, PDCOR Ltd., Rajasthan.**  
(August 2000 to November 2000)
- Description : As Transport Planner was involved with the task of estimating cargo potential and demand assessment, preliminary surveys, logistics and demand analysis, surveys and investigation to facilitate improvement in the total logistic chain of transportation goods of domestic and international trade emanating in the hinterland of Rajasthan and its adjoining states for the Dry Port at Alwar District of Rajasthan. This also includes estimation of present container traffic moving by road and railway in the study area, evaluation of performance of all Inland Container Depots in study area, estimation of growth rate of

containerized traffic and future demand for Dry Port.

9. Name of the Project : **Project Coordinating Consultancy, Madhya Pradesh Funded by World Bank.**  
(January 2000 to July 2000)
- Description : As Transport Planner responsibilities included designing of proforma for various traffic surveys, identification of survey locations, preparing the time schedule for completing the surveys that spread across 2085 km of state highways in Madhya Pradesh. Conducted various types of traffic surveys including traffic volume count, origin destination survey, speed and delay survey, spot speed survey, urban area study, bypass study. Also involved in engineering surveys as Benkleman Beam Deflection (BBD), Dutch Cone Penetration (DCP) and axle load survey. Was intensively involved in analysis of all traffic data and forecast of traffic using Trip End Factor method.
10. Name of the Project : **Madhya Pradesh State Road Development Project Under Bond Scheme, Madhya Pradesh.**  
(April 2000 to July 2000)
- Description : As Transport Planner responsibilities included identification of survey locations, conduct various traffic surveys, compilation and analysis of data and forecast of traffic.
11. Name of the Project : **Corridor Improvement Plan for Outer Ring Road in Delhi, ROB-22 to IIT Flyover.**  
(October 1999 to December 1999)
- Description : The objective of the study was to provide uninterrupted flow to the traffic between ROB-22 to IIT Flyover. As **Transport Planner** task assigned was to conduct mid block and turning movement survey at each signalized intersection on the study corridor, stop delay survey at signals. After analysis of data collected from primary and secondary surveys, the traffic assignment and their forecast for project corridor as well as cross roads was carried out. Was also involved in pedestrian projection, speed projection and prediction of delay at intersections for future years. Thereafter evolved the corridor improvements both for at grade and grade separated options and location of pedestrian subways.
12. Name of the Project : **Pre-Feasibility Study of Bharuch-Dahej Road Project, Govt. of Gujarat, R&BD and GIDC.**  
(July 1999 to September 1999)
- Description : As Transport Planner responsibility include conduct of traffic volume and roadside O-D survey at ten locations, speed and delay and Willingness to Pay survey etc. Also responsible for data analysis, forecasting of future traffic for different traffic and network scenarios.

13. Name of the Project : **Techno-Economic Feasibility Studies for Grade Separated Intersections at NH 24 bypass- Ring Road Intersection and Sarai Kale Khan-Ring Road Intersection (Package II). Funded by Delhi development Authority.**  
(March 1999 to June 1999)
- Description : As Transport Planner responsibilities include conducting of traffic surveys, data analysis, their interpretation and forecast of vehicular and pedestrian traffic, prediction of future delay at intersections. Assessment of future traffic considering proposed river front development and upcoming Noida Toll Bridge and develop alternate grade separated options, its viability and broad economic analysis.

**J. Teaching Experience : As Visiting Faculty**

- Teaching Experience : Eight Years as Visiting Faculty**  
Associated in the conduct of classes on the subject “Transport Network Planning and Design’ in the department of Urban Design, **School of Planning and Architecture, New Delhi** from August, 2005 to December, 2007 (three years).  
Associated in the conduct of classes on the subject “Traffic and Transportation Planning –I” in the department of Physical Planning, **School of Planning and Architecture, New Delhi** from August, 2009 to December, 2009.  
Associated in the conduct of classes on the subject “Transportation Planning” in Faculty of Architecture and Ekistics, **Jamia Millia Islamia University, New Delhi** from January 2008 to June 2013.  
Responsibilities includes; completion of course, internal assessment, paper setting and evaluation.  
Taken **Special Lectures** on ‘Fundamentals of Transportation Planning’ in TVB/IP University, New Delhi from 2007 to 2013 (six years).

**K. Trainings/Workshops**

- Trainings/Workshops (India) :**
- i. Three Days “Training of Trainers for Dissemination of Road Safety Manual- Users Workshop”, National Institute Training for Highway Engineers (NITHE), Noida, U.P., held on January 30 - February 1, 2006.
  - ii. One week Training Programme on “Feasibility Study and Preparation of Detailed Project Reports for Road Projects”, National Institute Training for Highway Engineers (NITHE), Noida, U.P., held on September 11- 15, 2006.
  - iii. One week “Quality Improvement Programme (QIP) in Soft Computing” in School of Planning & Architecture, New Delhi, held on March 19 - 23, 2007.
  - iv. Three days short course on “Principles of Pavement and Traffic Engineering”, Indian Institute of Technology (IIT) Kanpur held on March 12-14, 2008.

- v. Three days training programme on “Vibration and Noise Measurement and Analysis”, Central Road Research Institute (CRRRI), New Delhi held on June 6-8, 2011.
- vi. One day Training Course on Transport Demand Management and Parking Management organized by Institute of Urban Transport (IUT) and giz on 5<sup>th</sup> December 2012 at New Delhi, India.
- vii. One day Management Development Programme on “Concerns for Sustainability in Urban Planning” on 23<sup>rd</sup> August 2013 organized by TERI University and HUDCO, Delhi.
- viii. Intellectual Property System: India Today & Tomorrow on 10<sup>th</sup> January’14.
- ix. Awareness Programme on Various uses and Applications of White Cement on 31<sup>st</sup> March 14.
- x. State Level Consultation Workshop on Mainstreaming of Disaster Risk Reduction in Education Sector on 30<sup>th</sup> September14.
- xi. One day Workshop on “Data Analysis by SPSS” on 25<sup>th</sup> February 2015 organized by Department of Management, Integral University, Lucknow.
- xii. Two days Training on “Aquifer Management through Participatory Approach and Local Ground Water Issue” on 27<sup>th</sup> -28<sup>th</sup> March 2015 organized by Central Ground Water Board, Northern Region, Lucknow, Ministry of Water Resources, River Development & Ganga Rejuvenation.
- xiii. National Workshop on “Emerging Trends in Earthquake Engineering & Seismic Retrofitting Techniques” on 25<sup>th</sup> – 26<sup>th</sup> April 2015organized by Department of Civil Engineering, Integral University, Lucknow.
- xiv. Seminar on “Institutional Training Programme” on 01<sup>st</sup> August 2015 organized by Petroleum Conservation Research Association.
- xv. Faculty Development Programme (FDP) on “Perspective of Mpdern teaching technique & Uses of Case Studies through experiential learning” on 22<sup>nd</sup> August 2015 at Department of Business Management, Integral University, Lucknow.
- xvi. Seminar on World Habitat Day-2015 “Smart Cities and Transportation” on 05<sup>th</sup> October 2015 organized by Department of Architecture, Integral University, Lucknow.
- xvii. Short Term Course on “Academic Leadership” from 16<sup>th</sup> to 17<sup>th</sup> January 2016 organised by Center for Academic Leadership and Education management (CALEM) under the scheme of PMMMMNMTT, MHRD, Govt. of India at HRDC, Integral University, Lucknow.
- xviii. Short Term Course on “Data Analysis / SPSS & MINITAB” from 2<sup>nd</sup> to 8<sup>th</sup> February 2016 organised by Center for Academic Leadership and Education management (CALEM)

- under the scheme of PMMMNMTT, MHRD, Govt. of India at HRDC, Integral University, Lucknow.
- xix. One day on Symposium “Emerging Trends and Opportunities for Civil Engineering in Construction Industry” 5<sup>th</sup> March 2016 organised by Department of Civil Engineering, Integral University, Lucknow.
  - xx. National Conference on “Business & Public Policy Focus on Uttar Pradesh” on 18<sup>th</sup> – 19<sup>th</sup> March 2016 Organized by Department of Business Management & Research, Integral University, Lucknow.
  - xxi. Conference on “Ground Water Management in Uttar Pradesh : Challenge & Management” on 30<sup>th</sup> March 2016 organised by Central Ground water Board (CGWB), Northern Region, Lucknow.
  - xxii. National Conference on Intellectual Property Right: A Significant Tool for Sustainable Agriculture on 2<sup>nd</sup> – 3<sup>rd</sup> April 2016 organised by Intellectual Property Rights Management Cell (IPRMC), Integral University, Lucknow.
  - xxiii. Orientation Programme on “CXLII” on 24<sup>th</sup> May – 20<sup>th</sup> June 2016 organised by UGC Human Resource Development Centre (HRDC), AMU, Aligarh.
  - xxiv. Seminar on “Muscle Energy Techniques for Spine & Pelvic complex” on 26<sup>th</sup> – 27<sup>th</sup> November 2016 organized by Department of Physiotherapy, Integral University, Lucknow.
  - xxv. Short Term Course for “Training Programme on Academic Leadership” from 17<sup>th</sup> to 23<sup>rd</sup> March 2017 organised by Center for Academic Leadership and Education management (CALEM) under the scheme of PMMMNMTT, MHRD, Govt. of India at HRDC, Integral University, Lucknow.
  - xxvi. AICTE recognized Short Term Course on “Artificial Neural Network & Fuzzy Logic through ICT” from 24<sup>th</sup> to 28<sup>th</sup> April 2017 conducted by Computer Science & Engineering Department, National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh.
  - xxvii. Seminar on “use of new Building Materials in Construction / New Technique and its effect on Valuation” on 18<sup>th</sup> June 2017 organized by Institution of Valuers, Lucknow.
  - xxviii. Seminat on “Changing Midset& Bringing Innovation in Teaching/How to write Management Teaching Cases” on 30<sup>th</sup> July 2017 organised by ICFAI Business School at Hotal India Awadh, Lucknow.
  - xxix. Seminar on “Implementation of GST-What it Brings with it for India” on 21<sup>st</sup> August 2017 organised by HRDC, Integral University, Lucknow.
  - xxx. One day Seminar on “Role of Young Engineer’s in Ponstruction Industry” on 20<sup>th</sup> September 2017 organised by Department of Civil Engineering & CCG&D, Integral



University, Lucknow.

- xxxi. AICTE recognized Short Term Course on “Climate Change and Disaster management through ICT” from 6<sup>th</sup> to 10<sup>th</sup> November 2017 conducted by Rural Development Department, National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh.
- xxxii. Conference on “Ground Water Management in Uttar Pradesh : Issue and Strategies” on 19<sup>th</sup> December 2017 organised by Central Ground water Board (CGWB), Northern Region, Lucknow.
- xxxiii. National Workshop on “Examination Reforms in Higher Education” from 15<sup>th</sup> to 17<sup>th</sup> January 2018 jointly organized by Association of Indian Universities (AIU) and Devi Ahilya University, Indore.
- xxxiv. AICTE recognized Short Term Course on “Tools for Engineering Research through ICT” from 30<sup>th</sup> January to 3<sup>rd</sup> February 2018 conducted by Electrical Engineering Department, National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh.
- xxxv. Seminar on “Following the research Workflow using Elsevier’s Tools” on 6<sup>th</sup> March 2018 organized by Human Resource Development Centre (HRDC) Integral University in collaboration with Elsevier, India.
- xxxvi. AICTE recognized Short Term Course on “Faculty Development Planning and Management through ICT” from 12<sup>th</sup> to 16<sup>th</sup> March 2018 conducted by Media Centre, National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh.
- xxxvii. Awareness programme on “Role of Hydrology Projects in Ground Water Management in Uttar Pradesh” on 16<sup>th</sup> March 2018 organised by Central Ground water Board (CGWB), Northern Region, Lucknow.
- xxxviii. Orientation Programme on “Special Summer School in Basic Science” on 23<sup>rd</sup> June – 13<sup>th</sup> July 2018 organised by UGC Human Resource Development Centre (HRDC), AMU, Aligarh.
- xxxix. National Workshop on “Research Based Pedagogical Tools” on 23<sup>rd</sup> – 25<sup>th</sup> October 2018 organized by Integral University, Lucknow.

- Overseas Training** :
- i. Fourteen days Overseas Training for Capacity Building to U.K. (London), France (Paris) and USA (New York) under the Feasibility study-cum-Preparation of Detailed Project Report for Delhi-Alwar Regional Rapid Transit System (RRTS) Corridor in NCR-2041 in June, 2013.
  - ii. Fourteen days Overseas Training for Capacity Building to U.K. (London), France (Paris) and USA (San Francisco) under the

- Feasibility study-cum-Preparation of Detailed Project Report for Delhi-Panipat & Delhi-Meerut Regional Rapid Transit System (RRTS) Corridors for NCR-2041 in January, 2011.
- iii. Ten Days Overseas Training for Capacity Building to London, Paris and Frankfurt under the study on Integrated Transportation Plan for NCR-2032 in February, 2008.
  - iv. Ten Days Overseas Training for Capacity Building to Seoul, Malaysia and Singapore under the Asian Development Bank TA Programme in March, 2009.
  - v. Three days Transport Forum 2012 on “Inclusive and Sustainable Transport” 6-8 November, 2012 organized by Asian Development Bank (ADB) at ADB’s Headquarters, Manila, Philippines.
  - vi. One day Training Course on Intelligent Transportation System (ITS) on 5<sup>th</sup> November 2012 organized by Asian Development Bank (ADB) at ADB’s Headquarters, Manila, Philippines.
  - vii. Two days Training Course on Road Safety Audit on 9-10 November 2012 organized by Asian Development Bank (ADB) at ADB’s Headquarters, Manila, Philippines.

**L. Conference**

- Conference Attended** :
- i. Urban Mobility India (UMI) Conference from 5<sup>th</sup>– 8<sup>th</sup> December 12, Manekshaw Centre, Dhaula Kuan, New Delhi organized by the Institute of Urban Transport (IUT), India under the aegis of the Ministry of Urban Development, Government of India. Theme of the Conference-*Smart Mobility*
  - ii. Urban Mobility India (UMI) Conference from 3<sup>rd</sup> - 6<sup>th</sup> December, 13, Manekshaw Centre, Dhaula Kuan, New Delhi organized by the Institute of Urban Transport (IUT), India under the aegis of the Ministry of Urban Development, Government of India. Theme of the Conference-*Transforming Cities*
  - iii. Workshop on ‘Master Plan Formulation Using BHUVAN-NUIS’ on 8<sup>th</sup> August’14
  - iv. Urban Mobility India (UMI) Conference from 25<sup>th</sup>-28<sup>th</sup> November, 2014, Manekshaw Centre, Dhaula Kuan, New Delhi organized by the Institute of Urban Transport (IUT), India under the aegis of the Ministry of Urban Development, Government of India. Theme of the Conference-*Sustainable Transport for Sustainable cities*
  - v. Urban Mobility India (UMI) Conference from 24<sup>th</sup>-27<sup>th</sup> November, 2015, Manekshaw Centre, Dhaula Kuan, New Delhi organized by the Institute of Urban Transport (IUT), India under the aegis of the Ministry of Urban Development, Government of India. Theme of the Conference-*Transforming Mobility for Liveability*
  - vi. Urban Mobility India (UMI) Conference from 25<sup>th</sup>-28<sup>th</sup> November, 2017, at Hyderabad International Convention Centre

(HICC), Hyderabad organized by the Institute of Urban Transport (IUT), India under the aegis of the the Ministry of Housing and Urban Affairs (MoHUA), Government of India. Theme of the Conference-*Intelligent, Inclusive & Sustainable Mobility*

vii. Urban Mobility India (UMI) Conference from 2<sup>nd</sup> -4<sup>th</sup> November, 2018, at ChitnavisCentre, Nagpurorganized by the Institute of Urban Transport (IUT), India under the aegis of the Ministry of Housing and Urban Affairs (MoHUA), Government of India. Theme of the Conference-*Green Urban Mobility*

viii. Urban Mobility India (UMI) Conference from 15<sup>th</sup> - 17<sup>th</sup>November, 2019, at Indira Gandhi Pratishtan, Lucknoworganized by the Institute of Urban Transport (IUT), India under the aegis of the Ministry of Housing and Urban Affairs(MoHUA), Government of India. Theme of the Conference-*Accessible and Liveable Cities*

#### **M. Awards**

##### **Awards**

- i) Received “**Best Consultancy Award**” in recognition of the valuable contribution during the year 2021 for Consultancy services, awarded by Integral University on 15<sup>th</sup> August 2021.
- ii) Received “**Best researcher award**” by VG Good Technology Factory in the 9<sup>th</sup> International Scientist Awards on Engineering, Science and Medicine held on 12 & 13 Sep 2020, Trichy India.
- iii) Received “**Best Professor in Civil Engineering Studies**” by Business School Affaire & Dewang Mehta National Education Awards in the year 2019.
- iv) Received “**Integral University Founder Award**” in recognition of the outstanding performance in the field of Academics in the Alumni Meet-2017 organized by Integral University Alumni Association (IUAA) on 21-22<sup>nd</sup> July 2017

#### **N. Expert Lecture**

##### **Expert Lecture**

- i) Delivered a lecture on “Road Safety Measures” in one week National Workshop on ‘Emerging Trends in Civil Engineering Impacting the Construction Industry’ on 5<sup>th</sup> November 2020 organized by Rajkiya Engineering College Ambedkar Nagar, UP under TEQIP-3 programme.
- ii) Delivered a lecture on “The Importance of Technology in Education” in One week National Workshop on ‘Developing critical thinking using Learning Management System (LMS) and ICT tools’ on 5<sup>th</sup> August, 2019 organised by Department of Electrical Engineering, Rajkiya Engineering College, Ambedkar Nagar, UP in association with HRDC, Integral University, Lucknow
- iii) Delivered a lecture on “Understanding Road Signs” as a key speaker in a Road Safety workshop at Chitradurga on 27<sup>th</sup> June 2019 organised by M/s Shweta Technophile Consultants Pvt.

- Ltd.
- iv) Delivered a lecture on “Noise Pollution due to Traffic” as a key speaker in a Road Safety workshop at Bangalore on 28<sup>th</sup> June 2019 organised by M/s Shweta Technophile Consultants Pvt. Ltd.
  - v) Delivered a lecture on “Role of Noise and Street Lighting in Road Safety” as a key speaker in a Road Safety workshop at Chitradurga on 20<sup>th</sup> February 2019 organised by M/s Shweta Technophile Consultants Pvt. Ltd.
  - vi) Delivered a lecture on “Road Safety” to PWD engineers, NHAI officers, concessionaire and other officials on 12<sup>th</sup> October 2017 for the project “Two Laning with paved shoulder of Raebareli – Jaunpur section from Km0+000 to km 166+400 on NH-231 in the state of Uttar Pradesh under NHDP Phase-IV A on BOT (Annuity) DBFOT Mode
  - vii) Delivered a lecture on “Road Safety” to PWD engineers, NHAI officers, concessionaire and other officials on 5<sup>th</sup> September 2018 for the project “Two Laning with paved shoulder of Raebareli – Jaunpur section from Km0+000 to km 166+400 on NH-231 in the state of Uttar Pradesh under NHDP Phase-IV A on BOT (Annuity) DBFOT Mode
  - viii) Delivered an special lecture to the students and faculty of civil engineering related to Transportation Planning on 19.10.2016 at Allenhouse Institute of Technologies, Kanpur
  - ix) Resource person in the Short Term Course on “Academic Leadership” from 29 Jan-1<sup>st</sup> Feb 2018organised by Center for Academic Leadership and Education management (CALEM) under the scheme of P MMMNMTT, MHRD, Govt. of India at HRDC, Integral University, Lucknow
  - x) Resource person in the Short Term Course on “Academic Leadership” from 9 to 12 April 2018organised by Center for Academic Leadership and Education management (CALEM) under the scheme of P MMMNMTT, MHRD, Govt. of India at HRDC, Integral University, Lucknow
  - xi) Resource person in the Short Term Course on “Academic Leadership” from 14-18 August 2018 organised by Center for Academic Leadership and Education management (CALEM) under the scheme of P MMMNMTT, MHRD, Govt. of India at HRDC, Integral University, Lucknow
  - xii) Resource person in the Short Term Course on “Academic Leadership” from 7-13 September 2018 organised by Center for Academic Leadership and Education management (CALEM) under the scheme of P MMMNMTT, MHRD, Govt. of India at HRDC, Integral University, Lucknow

***O. Members of the Committees***

- Members of the*** : i. Invited member by Town and Country Planning Department,

***Committees***

Uttar Pradesh to attend the meeting of Consultants Evaluation and Review (CERC) as expert to select the consultant for preparation of GIS based Master Plans of 61 cities of Uttar Pradesh under AMRUT scheme on 4<sup>th</sup> September 2018.

- ii. Was Member of the Board of Studies (BOS) in Faculty of Engineering at Shri Ramswaroop Memorial University

***P. Projects Undertaken During Study:***

- M. Planning : Traffic Management of Bridge Approaches Using Low Cost Techniques.  
: Case Study – Nizamuddin Bridge over river Yamuna, New Delhi.
- B. Tech. : Computer Aided Analysis and Design of Building Frames Using Computer Language FORTRAN 77.

**(Dr. Syed Aqeel Ahmad)**