


Name:	Mr. Amit Kumar Yadav Department of Civil Engineering	
	Contact: 9988067197 Email: amit.yadav@cuja.ac.in amit.shikohabad@gmail.com Orcid Id: 0000-0003-0210-4332 Google Scholar Id: https://scholar.google.com/citations?user=wW0OYgQAAAAJ&hl=en	
Designation:	Assistant Professor, Department of Civil Engineering, Central University of Jharkhand, Brambe, Ranchi - 835205	
Experience:	1. Assistant Professor (October 2019 to present), Department of Transport Science and Technology, Central University of Jharkhand, Ranchi. 2. Assistant Professor (August 2014 to May 2018), Department of Civil Engineering, Lovely Professional University, Punjab	
Awards/ recognition:	1. University Academic Honour for being first in the merit in Masters of Technology Programme, Lovely Professional University, Punjab. 2. MHRD fellowship for doctoral programme during July 2018 to Sept 2019, NERIST	
Additional role/ responsibility:	1. Member of “Examination committee” constituted by Hon’ble Vice Chancellor to assist and strengthen the activities in Examination Section in addition to existing responsibilities from 30th September 2021 to 29 September 2022. 2. Member of “Merit and Degree Distribution Committee” constituted by Hon’ble Vice Chancellor for organizing Second Convocation of Central University of Jharkhand.	
Educational Qualification:	M. Tech (Dual Degree), 2014, Civil Engineering (Transportation Engineering), Lovely Professional University, Punjab B. Tech, Civil Engineering	

Area of Interest:	Traffic Data Collection and Analysis, Traffic Flow Theory, Delay Modelling, Traffic Engineering, Statistical analysis, Intersection Design and control, Bitumen Modification, Utilization of alternate material in pavement
Courses Taught:	Transportation Engineering Pavement Materials Traffic Engineering Geometric Design of Transport Facilities Highway Planning, Design and Management Pavement Analysis and Design Airport Planning Railway Engineering, Docks and Harbours, Transportation Engineering Laboratory I & II.

Brief introduction: Mr. Amit Kumar Yadav currently working as Assistant Professor in Department of Civil Engineering, Central University of Jharkhand, Ranchi. He has teaching and research experience of 7 years. Earlier he has worked as Assistant Professor in the Department of Civil Engineering, Lovely professional University, Punjab and also contributed in the establishment of Transportation Engineering Laboratory. He has done his B. Tech in Civil Engineering and M. Tech in Transportation Engineering from Lovely Professional University, Punjab. His area of interest includes traffic data analysis, traffic flow theory, delay modeling, traffic engineering, intersection design and control, bitumen modification, pavement analysis, road safety audit, airport engineering, docks and harbors. He has published national and international journals and participated in national and international conferences.

Professional Experience:

1. Assistant Professor (October 2019 to present), Department of Transport Science and Technology, Central University of Jharkhand, Ranchi, Jharkhand.
2. Research Scholar (August 2018 to September 2019), North Eastern Regional Institute of Science and Technology, Itanagar, Arunachal Pradesh.
3. Assistant Professor (August 2014 to May 2018), Department of Civil Engineering, Lovely Professional University, Punjab

Collaboration:

Articles Published

1. **Yadav, A.K.** 2023. Experimental Analysis on the Feasibility of Bamboo Reinforcement in Concrete Mix Design and Comparison with Steel Reinforced Concrete. Advances in Materials Science and Engineering, Hindawi, Volume 2023, Article ID 6931291, ISSN:1687-8442. Retrieved from <https://doi.org/10.1155/2023/6931291> Scopus Q2
2. **Yadav, A.K.**, Mannikatti, P.S., Mutaib, P., Elangbam, S., Gaur, U., Akram, W. 2022. The Study of International Roughness Index: A case study at Shettihalli – Ichalakaranji Road SH-78. Yantu Gongcheng Xuebao/Chinese Journal of Geotechnical Engineering, 44(12), 84–92. ISSN: 1000-4548 Retrieved from <http://ytcxb.periodicals.com/index.php/CJGE/article/view/263> Scopus Q2

3. **Yadav, A.K.**, Sharma, P.K., Akram, W., Elangbam, S.2022. Detailed Analysis of Road Accidents on Nh-44 from Phagwara to Jalandhar. Yantu Gongcheng Xuebao/Chinese Journal of Geotechnical Engineering, 44(8): 15–31. ISSN: 10004548 Retrieved from <http://ytcxb.periodicales.com/index.php/CJGE/article/view/142>. Scopus Q2
4. **Yadav, A.K.**, Sharma, G.2020. Psychological and Physical Attributes in Improvement of Road Junction. Journal of Xi'an University of Architecture & technology, 12(3): 6046-6053. ISSN: 1006-7930.
5. Verma, A., **Yadav, A.K.**, Sarkar, A. K. 2017. Managing level crossing safety and economic evaluation for rail over bridge. International Journal of Advanced in Management, Technology and Engineering Sciences, 7(11):115-121. ISSN: 2249-7455.
6. Sharma, R.D., **Yadav, A.K.**, Kumar, A.2017. Waste Cooking Oil as a Rejuvenating Agent in Aged Bitumen. International Journal of Control Theory and Applications, 10(30): 127-134. ISSN: 0974-5572. Retrieved from https://www.serialsjournals.com/abstract/25163_cha--14--ravi_dutt.pdf Scopus Q4
7. **Yadav, A.K.**, Akram, W., Rather, A.M. 2016. Micro level Study of Accident Data from Jalandhar to Phagwara on NH 44. Indian Journal of Science and Technology, 9 (47): 1-4. DOI: 10.17485/ijst/2016/v9i47/105248. ISSN: 0974-5645. Retrieved from <https://indjst.org/articles/microlevel-study-of-accident-data-from-jalandhar-to-phagwara-on-nh-44> Scopus Q2
8. **Yadav, A.K.**, Gupta, S. 2015. Integration of Public Transport-A Case Study on Ludhiana City, International Journal for Science and Research in Technology, 1(5): 1-6.

Books and Book Chapters

1. **A. K. Yadav**, 2021.IMPACT OF LIBERALIZATION IN TRANSPORTATION SECTOR: The policy debate in India, a study using financial measures: Finance and Infrastructure; K.B. Singh, A.P.Yadav, Navyug Books International,DELHI-110053, INDIA,pp. 129-140. ISBN: 978-81-946182-0-0
2. **A. K. Yadav**, 2020.Impact of COVID-19 on urban mobility in India. In: Pandemic 2020; G. Sharma, O.Kumari, P.S. Chahar, C. Dhankar (eds.),Evincepub Publishing,India, pp. 99-108. ISBN: 978-93-90442-44-7

Seminar/ Conference Participation:

1. Kumar, I., **Yadav, A.K.** 2023. Study of Driver Behavior in Overtaking Maneuvers on Undivided Road in Indian Context. In: Recent Advances in Traffic Engineering, Lecture Notes in Civil Engineering, 377,537- 558, Springer.
1. Poddar, A., Kumar, A., Nautiyal, A., **Yadav, A.K.** 2023. Assessment of Sustainable Public Transportation Provisions in Himachal Pradesh, India. In: Recent Developments in Water Resources and Transportation Engineering, Lecture Notes in Civil Engineering, 353, 243–250, Springer, Singapore. https://doi.org/10.1007/978-981-99-2905-4_18
2. S. Raj, A. Mittal, **A.K. Yadav**, 2023. Review of RAP's Low Carbon and Environmental Footprint in Road Construction. Paper published on **page 65-68, Vol. 1 of the proceedings of National Conference: Sustainable Development of Smart Cities Infrastructure SDSCI-2023**, organized by National Institute of Technology, Kurukshetra, Haryana during May 27-28,2023
3. **A.K.Yadav**, 2022.Experimental Investigation of Compressive and Split Tensile Strength of Fibre Reinforced Concrete using Sustainable Agriculture Waste. Paper presented in **Third International conference on “Sustainable Energy Solution for a Better Tomorrow (SESBT 2022)”** Organized by virtual mode by the school of Mechanical Engineering (SMEC), Vellore

Institute of Technology (VIT) Chennai in collaboration with ESRIG, University of Groningen, The Netherlands during 23rd-24th July 2022

4. **A.K.Yadav**, M.Kumar, A.Kumar,2021. Experimental Evaluation of Influence of Fly Ash in Bituminous Mixtures. Paper presented and **published on page 196-200, Vol. 1 of the proceedings of CNRE-2021: 1st International conference of Computing, Networks & Renewable Energy**, Organized by I.K. Gujral Punjab Technical University, Kapurthala, Punjab, India during August 5-7,2021.
5. **A. K. Yadav**, 2021. Developing Indicators and planning sustainability for sub-urban heterogeneous transportation system.**Paper presented: International Conference on Sustainable Learnings: Strategies and its Consequences in Digital India (SLSC-2021)** organized by Department of Humanities and Sciences, National Institute of Technology, Goa and School of Management, National Institute of Technology, Surathkal during 5-6 June, 2021.
6. **A. K. Yadav**, 2020. Participated in a webinar titled “**Phase- Imaging Techniques based on TrasportIntesity Equations**” organized by OSA , MNIT, Jaipur on 20th July 2020.
7. **A. K. Yadav**, 2020. Participated in a webinar titled “**Education 4.0: Reliability Centered Maintenance** ” organized (online-mode) by the School of Mechanical Engineering (SMEC), Vallore institute of Technology (VIT) Chennai on 19th July 2020.
8. **A. K. Yadav**, 2020. Participated in webinar on “**Handling, Management and Recycling of Bio Medical Waste**” organized by “Department of Civil Engineering”, Vignana Bharathi Institute of Technology on 4th July 2020.
9. A. Verma, **A.K. Yadav**, A. K. Sarkar, 2017. Managing Level Crossing Safety And Economic Evaluation For Rail Over Bridge. **Paper presented: National Conference on Civil, Geotech and Transport Research**, organized by Department of Civil Engineering, North Eastern Regional Institute of Science and Technology, Arunachal Pradesh during October 14-15, 2017.
10. **A. K. Yadav**, 2016. Challenges of traffic development in Kabul City. **Paper presented: National Conference on Technical Advancements in Civil Engineering** organized by School of Civil Engineering ,Lovely Professional University, Punjab during April 04-05, 2016.

Workshop/FDPs Participation:

1. Attended and Successfully completed UGC sponsored **Orientation/ Induction programme** in A grade, organized by University Grants commission, Human Resource Development Centre (HRDC), Ranchi University, Ranchi in online mode from 16-11-2021 to 13-12-2021.
2. Participated & completed successfully online Lecture & Training Programme on “**Faculty Development Programme-QIP**” organized by Internal Quality Assurance Cell (IQAC), Central University of Jharkhand, Ranchi, India, held during 30th January - 13thFebruary 2022.
3. Participated and completed successfully AICTE Training and Learning (ATAL) Academy Online Faculty Development Programme on “**Advanced Construction Technology**” at Giani Zail Singh Campus College of Engineering & Technology MRSPTU from 20-24 September 2021.
4. Attended a faculty development programme on “**Modern Tool Usage in Multi-Disciplines of Civil Engineering**” organized by Department of Civil Engineering, IPAC, Ghaziabad during September 06 - 10, 2021
5. Participated and completed successfully AICTE Training and Learning (ATAL) Academy Online Faculty Development Programme on “**Waste Technology**” at GianiZail Singh Campus College of Engineering & Technology MRSPTU from September 21-25,2020
6. Participated and completed successfully AICTE Training and Learning (ATAL) Academy Online Faculty Development Programme on “**Environmental Geotechnology** ” from September 14-18, 2020 at Shaheed Bhagat Singh State Technical Campus, Ferozepur.

7. Participated in a TEQIP-III sponsored one week online Short Term Course on “**Recent Advancement in Geotechnical Engineering**” organized by Department of Civil Engineering, Government Engineering College Bharatpur, Rajasthan during September 14-18, 2020.
8. Participated and completed successfully the AICTE Sponsored Online Short-Term Training Programme (STTP) on “**Advances in Finite Element Method for Industry & Research Applications**” organized by the Department of Civil Engineering, Vasavi College of Engineering (Autonomous), Hyderabad during September 7 – 12, 2020.
9. Participated in TEQIP III sponsored One Week Online Short Term Course on “**Construction Materials and Methods in Civil Engineering**” on August 25-29, 2020.
10. Participated in a one week online Faculty Development Programme on “**Energy and Environment: Conversion, generation, storage and efficient utilization**” organized by Department of Electrical Engineering and Civil Engineering, North Eastern Regional Institute of Science and Technology on August 24-28,2020.
11. Participated in a two days online workshop on “**Application of Remote Sensing & GIS in Disaster Management**” organized by the Department of Civil Engineering, Vikrant Institute of Technology and Management, Gwalior-An Outreach Programme Network Centre of IIRS, ISRO, Dehradun. On August 16-17,2020
12. Participated in five days online Faculty Development Programme on “**Advancement in Building Technologies**” organized by Department of Civil Engineering, Ajay Kumar Garg Engineering College, Ghaziabad in association with Indian Concrete Institution on August 10-14,2020.
13. Participated in an AICTE sponsored online Short Term Training Programme on “**Disaster Management and Mitigation**” organized by Department of Civil Engineering, Dr. N.G.P. Institute of Technology, Anna University on August 03-08,2020.
14. Attended a one week Faculty Development Programme on “**Precast and Prestressed Concrete Structures**” held in July 20-25,2020 organized by Department of Civil Engineering, Dr. N.G.P. Institute of Technology, Coimbatore.
15. Participated in the Faculty Development Programme on “**Innovative Approaches in Management Teaching**” on 16th to 22nd July, organized by Panipat Institute of Engineering and Technology.
16. Participated in a **TEQIP III** sponsored one week online short term course on “**Prospects of Sustainability in Pavement Construction in India**” from 14-18 July, 2020 organized by department of Civil Engineering, Dr. B R Ambedkar National Institute of Technology, Jalandhar.
17. Attended Faculty Development Programme on “**Pavement Design, Construction and Rehabilitation**” conducted from June 25 to June 27, 2020 by Department of Civil Engineering, Vignana Bharathi Institute of Technology in association with Telangana Academy for Skill and knowledge (TASK) & Indian Concrete Institute-Hyderabad.
18. Attended an invited workshop on “**Quality Control, New Materials and Techniques in road Sector**” held 7-8, Feb,2020 at department of Civil Engineering, Indian Institute of technology, Roorkee Jointly organized by Indian Road Congress (IRC).

Projects and Consultancy

Program Organized:

1. Worked as Co-coordinator in “One Week Workshop on “**Data Analytics using Python (Practical Approach)**” organized by Department of Computer Science & Technology (DCST), Central University of Jharkhand (CUJ) Ratu-Lohardaga Road, Ranchi, Jharkhand in Virtual mode during 25th -29th April 2022.
2. Worked as Member of organizing committee in “ICSSR sponsored National Seminar on Atmanirbhar Bharat: Building Resilience, Sustainability and Global Competitiveness” organized by Department of Commerce and Financial Studies, Central University of Jharkhand, Ranchi in offline mode during 11-12 November, 2022.
3. As Co-Convener, organized an International Webinar on “Role of Transportation, Environment and Energy in Integrated Urban Planning (RTEE-IUP-2021)” organized by Department of Transport Science and technology and Department of Environmental Sciences, Central University of Jharkhand, Ranchi from 25th-26th November 2021.
4. As Co-Convener, organized a National Webinar on “Restoration of Ecosystem Services: Challenges & Opportunities” organized by Department of Environmental Sciences & Department of Transport Science and Technology, Central University of Jharkhand, Ranchi on 5th June, 2021.

Invited Lectures

Membership and Fellowship

Updated as on: 10 April 2024

