



Dr. Adheesh Kumar Vivek
Assistant Professor

Centre/School/Special Centre: *School of Studies of Engineering & Technology*

Department: *Civil Engineering*

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Google Scholar Link:

<https://scholar.google.com/citations?user=r4ZK1LcAAAAJ&hl=en>

Qualifications:

Course of Study	Board/University	Marks (%)	Year of Passing
Ph.D. (<i>Transportation Engineering.</i>)	Indian Institute of Technology (Indian School of Mines), Dhanbad, Jharkhand, India	90.90	2023
M.Tech. (<i>Transportation Engineering</i>)	National Institute of Technology, Silchar, Assam, India	90.60	2018
B.E (<i>Civil Engineering</i>)	Visvesvaraya Technological University, Belgaum, Karnataka , India	74.35	2014

Area of Interest/Specialization:

- Safety evaluation and driver behavior
- Level of service and operational assessment
- Mitigation strategies
- Utilization of modifiers and alternate materials in pavement
- Statistical analysis

Experience:

Organization/University	Position	Duration
<i>Guru Ghasidas Vishwavidyalaya, Bilaspur</i>	Assistant Professor	<i>March 2023- Present</i>

Awards and Honors:

- Received the “**Best Ph.D. Thesis Award**” of the department for the year 2023 at IIT (ISM) Dhanbad.
- Recipient of “**Ministry of Human Resource Development**” Govt. of India Scholarships during PhD (July, 2018 - March, 2023).

- Recipient of “*Ministry of Human Resource Development*” Govt. of India Scholarships during M. Tech. (July, 2016 - July, 2018).

Administrative Responsibilities:

- Serving as *Warden of Shaheed Veer Narayan Boys Hostel* since October 2024.
- Member of Proposal *Drafting Committee of the GGV for QS world, QS Asia, QS Sustainability, THE World, THE Subject, THE Impact Rankings*.
- Core Committee Member for *DST iTBI project of GGV Startup foundation (GSF)* since August 2024.
- Served as the *Zonal Magistrate in the Lokshabha election 2024* under Beltara, Bilaspur region, Chhattisgarh.
- Served as the *Zonal Magistrate in the State Legislative Assembly election 2023* under Beltara, Bilaspur region, Chhattisgarh.
- Serving as Departmental Coordinator under *Swavalambi Chhattisgarh Project*.
- Member of the *Institute Industry Interaction* for the school of Studies of Engineering and Technology in coordination with the Industry Interface Cell office of GGV for the session 2023-2024 and 2024-2025.
- Member of Coordination Committee for *Repairing and Maintenance/ Extension (R&M/E)* work at Guru Ghasidas Vishwavidyalaya, Bilaspur.
- Served as a member of *Dean’s Advisory Council* under *Dean Infrastructure* for rendering assistance in discharging functions at *Indian Institute of Technology (Indian School of Mines), Dhanbad*, Jharkhand, India, from September, 2019 to February 2023.

Best Publications (up-to 10):

List of Journal/Special Publications

1. **Vivek, A. K.**, Gupta, S., Khan, T., & Mohapatra, S. S. (2024). Strategies to mitigate safety and associated problems at gated rail road grade crossing: A structural equation modelling approach. *Transport Policy*, 146, 19-30. <https://doi.org/10.1016/j.tranpol.2023.11.002> (SCI; IF: 6.8)
2. Khan, T., **Vivek, A. K.**, Mohapatra, S. S., & Patnaik, A. K. (2023). Realistic Approach for Capacity Estimation of U-Turns Under Heterogeneous Traffic Condition. *Transportation Research Record*, 03611981231203227. <https://doi.org/10.1177/03611981231203227> (SCI; IF: 2.019)
3. Shukla, A., Pandey, B. K., Ingale, R., **Vivek, A. K.**, & Meshram, K. (2023). Effect of Construction Time on the Behavior of Embankment Constructed on ESC-Improved Clayey Soil. *Indian Geotechnical Journal*, 1-11. <https://doi.org/10.1007/s40098-023-00830-4> (ESCI; IF: 1.4)
4. **Vivek, A. K.**, & Mohapatra, S. S. (2023). An observational study on pedestrian and bicyclist violations at railroad grade crossings: exploring the impact of geometrical and operational attributes. *Journal of safety research*, 87, 395-406. <https://doi.org/10.1016/j.jsr.2023.08.011> (SCI; IF: 4.1)

5. **Vivek, A. K.,** Mohanty, M., & Mohapatra, S. S. (2023). Evaluation of Road Users' Violations at Railroad Grade Crossings. *Journal of Transportation Engineering, Part A: Systems*, 149(9), 04023086. <https://doi.org/10.1061/JTEPBS.TEENG-7853> (SCI; IF: 2.10)
6. **Vivek, A. K.,** & Mohapatra, S. S. (2023). Level of service analysis of rail road grade crossing from the perspective of walking and bicycling: a perception based study. *Transportation Planning and Technology*, 46(4), 499-524. <https://doi.org/10.1080/03081060.2023.2201595> (SCI; IF: 1.845)
7. **Vivek, A. K.,** Mohapatra, S. S., & Jena, S. (2022). Evaluation of user perception to define level of service criteria of rail road grade crossing: an exploratory statistical approach. *Transport policy*, 122, 64-76. <https://doi.org/10.1016/j.tranpol.2022.04.013> (SCI; IF: 6.8)
8. **Vivek, A. K.,** Khan, T., & Mohapatra, S. S. (2021). Safety and associated parameters influencing performance of rail road grade crossings: A critical review of state of the art. *Journal of safety research*, 79, 257-272. <https://doi.org/10.1016/j.jsr.2021.09.007> (SCI; IF: 4.1)
9. **Vivek, A. K.,** Sukhija, M., & Singh, K. L. (2021). Effect of montmorillonite nanoclay and sulphur-modified blends on the properties of bituminous mixes. *Innovative Infrastructure Solutions*, 6(2), 1-12. <http://dx.doi.org/10.1007/s41062-021-00484-2> (ESCI; IF: 2.4)
10. Khan, T., **Vivek, A. K.,** & Mohapatra, S. S. (2021). Comparative appraisal of critical gap estimation techniques in the context of U-turning vehicles. *Transportation research record*, 2675(12), 1408-1421. <https://doi.org/10.1177/03611981211035761> (SCI; IF: 2.0)

Additional Information:

Participation in Workshops/Seminars/Conferences/Short Term Course:

1. Participated in the workshop organized on 'Building Materials' held at MCA seminar hall, Sambhram Institute of Technology, Bangalore on 28th March 2013.
2. Participated in oral presentation at Research Conclave'18, organized by Students' Academic Board, Indian Institute of Technology Guwahati, Assam, India during (8 - 11) th March, 2018.
3. Participated in Global Initiative of Academic Networks (Gian) course entitled 'Road Safety Engineering' during (24 - 28) th June, 2019 at Indian Institute of Technology Guwahati, Assam, India.
4. Participated in AICTE sponsored short term course on 'Traffic Flow Modelling (TFM - 2021)' during (26 - 30) th July, 2021 organized by Indian Institute of Technology Bhubaneswar, Odisha, India.
5. Presented paper entitled 'Evaluation of level of service criteria of rail road grade crossing: A comparative study based on the perceptions of motorist and non-motorist' in the 4th national conference on Recent Advances in Traffic Engineering-2022 held at SVNIT Surat during 11th-12th November 2022.

(Dr. Adheesh Kumar Vivek)