



**Dr. Adheesh Kumar Vivek**  
*Assistant Professor*

**Centre/School/Special Centre:** *School of Studies in Engineering and Technology*

**Department:** *Civil Engineering*

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**Personal Webpage Link:**

### Qualifications:

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

### Awards and Honors:

- 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).

**Research Projects:** *NIL*

**International Collaboration/Consultancy:** *NIL*

**Best Peer Reviewed Publication (up-to 10):**

**List of Journal/Special Publications**

1. **Vivek, A. K.,** & Mohapatra, S. S. (2023). An Observational Study on Pedestrian and Bicyclist Violations at Rail Road Grade Crossings: Exploring the Impact of Geometrical and Operational Attributes. *Journal of safety research*. (Accepted). (SCI; IF: 4.1)
2. **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)
3. **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)
4. **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)
5. **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)
6. **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)
7. 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: 2.019)

**List of Conference/Book Chapters Publication**

1. **Vivek, A. K.,** Sukhija, M., Singh, K. L., & Mohapatra, S. S. (2019). “Evaluation of strength characteristics of bituminous mix using montmorillonite nanoclay and sulphur modified bitumen.” In Proceedings of 5<sup>th</sup> International Conference of Transportation Research Group of India (CTRG-2019) on Pavements and Materials, Held at Welcome Heritage Noor-Us- Sabah palace Bhopal, Madhya Pradesh, India.

**Recent Books/Book Chapters/Monographs etc.: NIL**

**Research Supervision:**

- **Ph.D. Thesis:** Nil
- **M.Tech Thesis:** Nil
- **UG Major Project:** Nil

**Administrative Responsibilities:**

- 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.
- Member of Coordination Committee for *Repairing and Maintenance/ Extension (R&M/E)* work at Guru Ghasidas Vishwavidyalaya, Bilaspur.

**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 28<sup>th</sup> 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)<sup>th</sup> March, 2018.
3. Participated in Global Initiative of Academic Networks (Gian) course entitled 'Road Safety Engineering' during (24 - 28)<sup>th</sup> 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)<sup>th</sup> 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 4<sup>th</sup> national conference on Recent Advances in Traffic Engineering-2022 held at SVNIT Surat during 11<sup>th</sup> -12<sup>th</sup> November 2022.

**Technical/Software Skills**

- SPSS
- NLOGIT
- STATA
- AutoCAD
- Analysis and Graphing Software: Origin Pro
- VOS viewer: Software tool for constructing and visualizing bibliometric networks

(*Adheesh Kumar Vivek*)

