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Education

1. PhD – Dept. of Civil Engineering, IIT Roorkee
2. M.Tech.- Transportation Engineering, NIT Rourkela
3. B.Tech.- College of Engineering , Bhubaneswar, BPUT Odisha

Experience

1. Assistant Professor – Vignan Institute of Information Technology, Duvvada, Visakhapatnam, May2025 to Oct 2025
2. Assistant Professor – CEB Bhubaneswar, July 2015 to Dec 2015
3. Assistant Professor – BIIT Bhubaneswar, July 2012 to Jun 2013

Journal Publications

1. **Kahali, D., & Rastogi, R.** (2021). Comparative analysis of escalator capacity at metro stations: theory versus practice. *Transportation*, 48(6), 3121-3141.
2. **Kahali, D., & Rastogi, R.** (2021). Analysis of Flow Characteristics and Step Size of Escalators at Metro Stations. *KSCE Journal of Civil Engineering*, 25(3), 1043-1055.
3. **Kahali, D., & Rastogi, R.** (2021). Passenger Flows at Escalators—Arriving at Count Interval for Design Flow Estimation. *European Journal of Transport and Infrastructure Research*, 21(4), 62-80.
4. Goyal, T., **Kahali, D., & Rastogi, R.** (2020). Analysis of pedestrian movements on stairs at metro stations. *Transportation research procedia*, 48, 3786-3801.
5. Chattaraj, U., **Kahali, D., & Das, A. K.** (2017). Studies on Impacts of Gender Mix on Pedestrian Fundamental Diagram. *EUROPEAN TRANSPORT-TRANSPORTI EUROPEI*, (65)

Conference Publications/Presented

1. **Kahali, D., Rastogi, R., and, Kumar, B. S.** (2018). Understanding Pedestrian Flow Characteristics on Escalators in Developing Countries Paper Numbers, 18-04650. *Transportation Research Board*, 97th Annual Meeting, Washington D.C. (TRB Practice-Ready Papers (PRP))
2. **Kahali, D., and; Rastogi, R.** (2019). Capacity Analysis of Escalators Installed at Metro Rail Stations in India, *World Conference on Transport Research - WCTR 2019*, held at IIT Bombay, Mumbai, India, 26-31 May 2019.
3. Goyal, T., **Kahali, D., and, Rastogi, R.** (2019), 'Analysis of Pedestrian Movements on Stairs at Metro Stations'. In

World Conference on Transport Research - WCTR 2019, held at IIT Bombay, Mumbai, India, 26-31 May 2019.K

4. **Kahali, D., and, Rastogi, R.** (2019). Insight on Flow and Capacity of Escalators at Metro Stations, *International Conference on Transportation Infrastructure Projects, Conception to Execution*, IIT Roorkee, India, January 7-10, 2019. (Best Paper Award)
5. **Kahali, D., and, Rastogi, R.** (2017). Preliminary Analysis of Pedestrian Flow of Stairs at Metro Terminals. *National conference on Roads and Transport*, NCORT-2017. IIT Roorkee, India.
6. **Kahali, D., Verma, V., and, Bathina, K.S.** (2023). An Insight on Capacity Analysis of Escalators Installed at Metro Rail Stations in India, In *World Conference on Transport Research -WCTR 2023*, held at CIRRELT in Montreal, Canada, 17th – 21st July 2023.
7. **Kahali, D.** (2024). Review of the escalator studies and way forward, Paper Number, TRBAM-24-03337. *Transportation Research Board*, 103th Annual Meeting, Washington D.C.
8. **Kahali, D., Chikati, R, S., Mortha, S., Lavanya, K., Rao, P, V., Rohin, T, S., Akula, S.** (2025). Data-Driven Insights for Road Safety Policy: A Multi-Factor Analysis of Indian Accident Data. *Transportation Research Efforts for Ecological Sustainability (TREES)*. Hyderabad, India.
9. **Kahali, D., Chikati, R, S, Malla M., S., Rohin, T, S., Bathina, S, K.** (2025). Experimental Analysis of Pedestrian Fundamental Diagrams in Educational Buildings During Peak-Hour Stairway Traffic. *Transportation Research Efforts for Ecological Sustainability (TREES)*. Hyderabad, India.
10. Kahali, D., Bathina, S, K., Rohin, T, S. A Study on Pedestrian Performance on Staircases During Peak Academic Hours. (2025). *Transportation Research Efforts for Ecological Sustainability (TREES)*. Hyderabad, India.

Book Chapters

1. Bathina, S. K., **Kahali, D., Tiwari, M. K., Sahu, D., & Nakrani, D.** (2024). Thermal Characterization of Passive Fire Protection Coatings Using Bayesian Inference. *Functional Coatings: Innovations and Challenges*, 508-521.
2. Jain, U., **Kahali, D., Das, V. R., & Arkatkar, S. S.** (2022). Planning for Traditional and Special Area Requirement Travel Modes—Existing Scenario and Way Forward. In *Transportation Research in India* (pp. 305-331). Springer, Singapore

Academic Awards

1. Won first place in paper contest on “Metro Fire Safety - Design | Materials | Egress | Regulations | Codes & Standards” organized by Indian Institute of Technology Gandhinagar, Centre of Safety Engineering in association with Fire Safe Build India (FSBI), 2024.
2. Won first place in paper contest on “structural and passive fire protection” held at IIT Gandhinagar, 2023

- Received best paper award on “Insight on Flow and Capacity of Escalators at Metro Stations”, International Conference on Transportation Infrastructure Projects, Conception to Execution, IIT Roorkee, India, January 7-10, 2019

Reviewer

- Transportation research record, Journal of transportation research board (TRB), Washington DC, USA
- World conference on transport research society (WCTR)
- Transportation Research Part F: Traffic Psychology and Behaviour

Workshops Attended

- Student Committee Member of International Conference “Transportation Infrastructure Projects Conception to Execution (TIPCE 2019)” organized by *Dept. of Civil Engineering, IIT Roorkee* on January 7-10, 2019
- Student Committee Member of “National Conference on Roads and Transport (NCORT-2017)” at IIT Roorkee held on October 14-15, 2017 sponsored by National Rural Roads Development Agency, Ministry of Rural Development, Govt. of India
- Student Committee Member of Task Force Committee Meeting for “Development of Indian Highway Capacity Manual (Indo-HCM)” sponsored by CSIR-CRRI at IIT Roorkee on Sept 9-10, 2016

PhD Thesis: Analysis of flow characteristics on inclined pedestrian facilities

M.Tech. Thesis: Studies on impacts of gender mix on pedestrian fundamental diagram

Research Interests: Transportation engineering, Inclined pedestrian traffic facilities, Pedestrian facility operation and safety, Traffic modelling, Pedestrian facility design, Capacity analysis, Level of service analysis, Statistical methods and applications.

Design, Analysis, and Smoke Modelling Tools: PTV Vissim, SPSS, R statistics, MATLAB, FDS+Evac, and Autocad

Professional Memberships

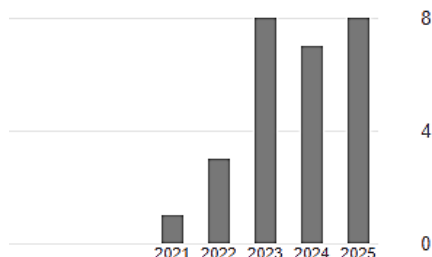
- Associate Member of Institution of Engineers (India)
- Life member of International Association of Engineers
- Member of IAENG society of Civil Engineering
- Member of Technical Core Team I001 of Transportation research group of India

Profiles in various platforms

- Google Scholar:
<https://scholar.google.com/citations?hl=en&user=L5JmzZkAAAAJ>
- Scopus ID: 57195253702
- ORCID: <http://orcid.org/0000-0001-8260-645X>

Cited by

	All	Since 2020
Citations	27	27
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References

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