

**Name of the Faculty** Dr. Kamineni Aditya  
Designation Assistant Professor & HOD  
Date of Joining 14-12-2020  
E - Mail aditya.civil@jbiet.edu.in



<b>Educational Qualifications</b>	<b>Name of the Degree</b>	<b>Institute</b>	<b>Class</b>
Ph. D	Doctor of Philosophy (Civil Engineering)	NIT Warangal	Awarded
PG	M. Tech (Transportation Engineering)	NIT Warangal	First
UG	B.E (Civil Engineering)	R.Y.M. E.C Bellary	First

<b>Work Experience</b>	
Teaching	4 Years
Research	5 Years
Industry	-

<b>Responsibilities held at the central level in college</b>	
	<ul style="list-style-type: none"><li>• NAAC Criteria 3 Central Coordinator.</li><li>• Member, Academic Council, from 04-06-2022 to till date.</li></ul>

<b>Responsibilities held at the departmental level in college</b>	
	<ul style="list-style-type: none"><li>• Head of the Department from 04-06-2022 to till date.</li><li>• Chairman, Board of Studies from 04-06-2022 till date.</li><li>• Member Board of Studies, from 14-12-2020 to till date.</li><li>• UG Coordinator from 2020 to 2022.</li></ul>

<b>Courses Handled at UG Level</b>	
	<ul style="list-style-type: none"><li>• Transportation Engineering Course for B. Tech Third Year Students.</li><li>• Transportation Engineering Laboratory Course for B. Tech Third Year Students.</li><li>• Traffic Engineering &amp; Management Course for B. Tech Fourth Year Students.</li><li>• Engineering Geology Course for B. Tech Second Year Students.</li></ul>

<b>Courses Handled at PG Level</b>	
	<ul style="list-style-type: none"><li>• Research Methodology &amp; IPR Course for M. Tech Structural Engineering First Year Students.</li></ul>

<b>Area of Research</b>	
	<ul style="list-style-type: none"><li>• Traffic Noise Modelling, Tyre-pavement Interaction Noise Studies on Roads.</li></ul>

<b>Research Guidance for M. Tech/ Ph. D Students</b>	
	<ul style="list-style-type: none"><li>• Guided Two M. Tech Dissertations.</li></ul>

<b>Books/ Book Chapters Published</b>	
	<ul style="list-style-type: none"><li>• Aditya, K. (2023). "Effect of Rapid Growth of Traffic on the Pass-By Noise levels Perceived by the Pedestrians in Static and</li></ul>

**Prominent Research Publications in Conferences**

Dynamic Positions at Different Land use Zones in Hyderabad City." The Institute of Engineers (India), Annual Technical Volume of Civil Engineering Board, Volume VIII, 28-31.

- Vemula, S., **Kamineni, A.**, Chowdary, V. (2015). "Influence of two wheelers and three wheelers proportion on traffic noise pollution for a medium sized Indian city." Proceedings of the Second National Conference and Workshop on Recent Advances in Traffic Engineering, CD-ROM, NIT Surat, India, July, 2015.
- **Kamineni, A.**, and Chowdary, V. (2016). "Quantification and Modelling of tyre-pavement interaction noise: effect of vehicular, pavement, and environmental characteristics." Functional Pavement Design: Proceedings of the 4<sup>th</sup> Chinese-European Workshop on Functional Pavement Design, Delft, The Netherlands, June 29 to July 01, 2016, 1087-1096.

**Prominent Research Publications in Journals**

- Syamkumar, A., **Aditya, K.**, and Chowdary, V. (2013). "Development of mode-wise noise prediction models for the noise generated due to tyre-pavement surface interaction." Advanced Material Research, 723, 50-57.
- **Kamineni, A.**, Duda, S. K., Chowdary, V., and Prasad, C. S. R. K. (2019). "Modelling of noise pollution due to heterogeneous highway traffic in India." Transport and Telecommunication Journal, 20(1), 22-39. (SCOPUS)
- **Kamineni, A.**, and Chowdary, V. (2020). "Development of a methodology to measure the in-vehicle noise levels due to the tire-pavement interaction." Journal of The Institution of Engineers (India): Series A, 101, 265-272. (SCOPUS)
- **Aditya, K.**, and Chowdary, V. (2020). "Influence of honking on the road traffic noise generated at urban rotaries for heterogeneous traffic." Environmental and Climate Technologies, 24(1), 23-42. (SCOPUS)
- **Aditya, K.**, and Chowdary, V. (2020). "Quantification of pass-by noise levels on urban roads: effect of engine propulsion and tire-road interaction." Fluctuation and Noise Letters, 2050030. (SCI)
- Jala, S., Rajasekar, C., and **Aditya, K.** (2022). "Experimental Study on Strength Behaviour of Concrete with Partial Replacement of Cement with Silica Fume and Coarse Aggregates with Tyre Rubber." International Journal of Research, 2236-6124, 11, 143-149.
- Shravani, S., Suresh, R., and **Aditya, K.** (2022). "Experimental Investigation On Structural Elements Of Low-Calcium Fly Ash And Slag Based Geopolymer Concrete." International Journal of Research, 2236-6124, 11, 164-170.
- Suprabhavana, J., and **Aditya, K.** (2022). "An Experimental Study On The Optimal Replacement Of Cement With Fly-Ash Using Topsis Method." International Journal of Research, 2236-6124, 11, 1-10.
- Vandana, V., Reddy, B., and **Aditya, K.** (2022). "Experimental Investigation On Workability And Strength Properties Of Self-Compacting Concrete By Using Plastic Waste And Alccofine Material." International Journal of Research, 2236-6124, 11, 150-155.
- **Aditya, K.** (2024). "Commuter based noise level assessment in an urban area - A Simulator based study." Journal of Sound and Vibration [Accepted].

- **Aditya, K.** (2024). "Use of spectral analysis in assessing the pedestrian exposed noise levels in an urban area." Science of the Total Environment [Accepted].
- **Aditya, K.** (2024). "Effect of distance propagation over noise induced levels at roadside." Applied Acoustics [Under Review].
- **Aditya, K.** (2024). "Use of ANN and Fuzzy models in the urban noise level assessment under different road vehicles - A comparative study." Fluctuation and Noise Letters [Under Review].
- **Aditya, K.** (2024). "Impact of Vehicle induced noise levels near the signalized and unsignalized intersections under heterogeneous traffic." Transport and Telecommunication Journal [Under Review].

Web of  
Science/Scopus ID

57194380214

[\[https://www.scopus.com/authid/detail.uri?authorId=57194380214&author=Aditya - Author details - Scopus Preview\]](https://www.scopus.com/authid/detail.uri?authorId=57194380214&author=Aditya%20K)

Google Scholar ID

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[\[https://scholar.google.com/citations?user=pnQJF3cAAAAJ&hl=en&oi=aoScholar\]](https://scholar.google.com/citations?user=pnQJF3cAAAAJ&hl=en&oi=aoScholar)

H-Index (As per  
SCOPUS Database)  
PROFESSIONAL  
MEMBERSHIPS

4

- Life Member of International Association of Engineers [IAENG] [Membership Number - 355687]

Details of Short-  
Term Training  
Programs/Faculty  
Development  
Programs/Seminars/  
Workshops  
(Attended)

- A Three Days "Capacity Development Program" at IAE, Hyderabad from 27-4-2023 to 29-4-2023.
- Completed "EBRD Road Safety Engineering E-Learning training course "by European Bank for Reconstruction and Development in June 2021.
- A One Week GIAN Program on "Transportation in a High Tech, Automated and Connected Vehicle World", NIT Warangal, 16-20, September 2019.
- A One Week FDP on "Emerging Trends in Transportation Geotechnics", Vaagdevi College of Engineering, Warangal, 23rd to 27th September, 2019.
- A one-day workshop on "Speed and Safety Measures in Construction Projects", The Institution of Engineers (India), Telangana State Centre, 27th July 2019.
- A one Week GIAN Program on "Sustainable Mobility and Transportation: Innovative Approaches and Solutions, NIT Warangal, 10th to 14th December, 2018.
- A three-day workshop on "Bio-Inspired Materials by Design: Issues & Challenges, NIT Warangal, 19th to 21st November, 2018.
- A One Week GIAN program on "Transportation and Environment", NIT Warangal, 6th to 10th August, 2018.
- A Five Day FDP on "Effective Teaching and Learning of Flexible Pavement Design, PMMMMNMTT, MHRD, NIT Warangal, January 17 -21, 2018.
- A One Week GIAN program on "Implementation of Advanced Transportation Management Systems", NIT Warangal, 04th to 08th September, 2017.
- A Three-Day Executive Development Training program on "New and Innovative Technologies for Construction of Low

**Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops (Organized)**

Volume Roads”, NRRDA, MoRD, NIT Warangal, 28th to 30th November, 2016.

- A One Week GIAN course on “Low-Volume Roads Engineering Best Practices, NIT Warangal, 26th to 30th September, 2016.
- “Transportation Young Researchers Symposium (Tyres-2015)”, 10-15 May 2015, National Institute of Technology, Warangal, Telangana, India.
- A Value-Added Course on Civil Engineering Drawing using AUTOCAD Software for B. Tech Second Year Students in October 2023.
- A One-day Project Expo on “Civil Engineering Marvels - A Prototype” on 20-03-2023.
- Ist International Conference on “Advanced Applications of Technology and Management - AATM 2023” from 10th - 11th March, 2023.
- One Week Faculty Development Program on “Recent trends in Civil Engineering” from 20-02-2023 to 25-02-2023.
- A Seminar on “Use of Civil Engineering Software’s in design” for Third B. Tech Civil Engineering Students in February 2023.
- A Seminar on “Career After B. Tech” for Fourth B. Tech Civil Engineering Students in October 2022.