



KSCSTE - National Transportation Planning and Research Centre (NATPAC), an institution under Kerala State Council for Science, Technology and Environment (KSCSTE) is a premier R & D institution in the country which works on multi – modal system of transportation covering road, rail, water, air etc.

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## TransPedia Research Talk Series

### ABOUT THE TALK SERIES

NATPAC has been conducting a series of technical talks 'TransTech Talk Series', since February 2023, where industry experts and eminent researchers come together to discuss the latest advancements, challenges, and innovations in the field of transportation.

**TransPedia Research Talk Series** is yet another unprecedented and distinctive endeavor from NATPAC, envisioned to promote research for shared benefits, by disseminating knowledge on diverse topics from cutting-edge technologies to sustainable solutions. Desirably, this also brings out a platform for young researchers across the globe to connect and interact to better shape the future of research and development in transportation.

### ABOUT THE TALK # 6

#### "Proactive Road Safety Assessment of Intersections through Microsimulation Approach"

The proactive road safety assessment at intersections through a microsimulation approach is a forward-thinking strategy. By embracing innovative methodologies and targeted engineering solutions, the objective is to carve a path towards safer intersections and reduce crashes on Indian roads. The talk will highlight the ability to predict potential crashes and formulate remedial engineering countermeasures by integrating traffic conflict techniques and microsimulation tool to address the road safety issues at intersections comprehensively.

### ATTENDEES

Transportation Professionals, Engineers, Urban Planners, Researchers, Industry Experts, Policy Makers, Students and anyone enthusiastic about the future of transportation.

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Natpac Trivandrum

*Don't miss out on this opportunity to explore the realm of transportation innovation. Join us for insightful conversations, connect with fellow industry professionals, and be part of shaping the future of transportation.*

### ABOUT THE SPEAKER

**Dr. Madhumita Paul**

Assistant Professor,  
Indian Institute of  
Technology, Kharagpur



Dr. Madhumita Paul completed her Ph.D from Indian Institute of Technology Roorkee in 2020. Her research focused on the proactive road safety assessment methodologies using microsimulation tools and surrogate measures at different intersection types under the supervision of Dr. Indrajith Ghosh, Associate Professor, IIT Roorkee.

**24.01.2024, 10:00 AM IST**

**JOIN USING THE LINK:**

<https://tinyurl.com/TransPedia-Research-Talk-6>

