



KSCSTE - National Transportation Planning and Research Centre (NATPAC), an institution of 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.

Website: www.natpac.kerala.gov.in

Email: contactus.natpac@kerala.gov.in

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 # 23

"Counting Down to Safety: Evaluating Countdown Timers at Intersections"

In this work, the driver behaviour during queue discharge at signalised intersection was studied considering the anticipation and indecision in the presence of countdown timer using statistical and data-driven models. This talk examines the safety and efficiency impacts of countdown timers at intersections and explores their effective integration into adaptive traffic signal control using Vissim simulations.

Attendees

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

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Dr. Bijul Raveendran

**Former Research Scientist,
Department of Civil
Engineering,
Indian Institute of
Technology Bombay**



Dr. Bijul Raveendran completed his Ph.D titled "Modelling Driver Behaviour at Signalised Intersections in the Presence of Countdown Timer" from IIT Bombay in 2024 under the guidance of Prof. Tom V. Mathew and Prof. Nagendra R. Velaga. His research interests include traffic signal control, traffic safety, microscopic traffic modelling and machine learning models, connected & automated vehicles.

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<https://tinyurl.com/transpedia23>



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