



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.

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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 # 12

### Role of Aggregate on the Skid Resistance of Bituminous Pavements

Skid resistance of pavement surfaces is a crucial factor in road safety, particularly in wet conditions. The talk highlights the influence of mineralogical and morphological properties of coarse aggregate on skid resistance. The impact of aggregate mineralogy on skid resistance was examined and image based techniques were developed for quantifying pavement texture. The talk also covers the development of a model to predict the initial skid resistance of pavement surfaces, based on the indices derived from pavement surface images.

## ATTENDEES

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

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Natpac Trivandrum

## ABOUT THE SPEAKER

### Dr. Nabanita Roy

Postdoctoral Fellow  
Department of  
Civil Engineering  
Indian Institute of Technology  
Bombay



Dr. Nabanita Roy completed her PhD from the Indian Institute of Technology Kharagpur in 2023 under the supervision of Prof. Kranthi Kumar Kuna, on the topic "Influence of Mineralogical and Morphological Properties of Coarse Aggregate on Skid Resistance of Bituminous Pavement." The significance of her research is its contribution to developing guidelines for Skid Resistance of Pavement Surfaces on Indian roads.

**31.07.2024, 10:00 AM IST**

**JOIN USING THE LINK:**

<https://tinyurl.com/TransPedia-12>



*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.*