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## **IEEE COMPUTER SOCIETY SIT**

**IEEE CS Madras, CSI Chennai, ACM Chennai, Sri Sai Ram Institute of Technology, IEEE CS SBC**

**Data-Driven Modeling of Sustainable and Safe Transportation Systems**

**NAME OF THE ORGANIZING UNIT: IEEE COMPUTER SOCIETY SIT**

**DATE OF EVENT:** 18<sup>th</sup> March, Tuesday

**TOPIC:** Data-Driven Modeling of Sustainable and Safe Transportation Systems

**MODE OF EVENT:** Online

**TARGET AUDIENCE:** Student Members

**ATTENDANCE:** 40


The webinar on ***“Data-Driven Modeling of Sustainable and Safe Transportation Systems”*** was successfully conducted with an engaged audience of students, faculty, and professionals from across institutions. The session was delivered by Professor Gitakrishnan Ramadurai, a leading expert in the domain of intelligent transportation systems.

**TIMINGS:** 11:00 AM - 12:30 PM

### **EVENT SUMMARY:**

The webinar on **“Data-Driven Modeling of Sustainable and Safe Transportation Systems”** was successfully conducted with an engaged audience comprising students,

faculty, and professionals from various institutions. Delivered by Professor Gitakrishnan Ramadurai, a leading expert in intelligent transportation systems, the session **covered key insights from his research, including injury severity prediction using dynamic LSTMs and Random Forest models, and dynamic ambulance allocation for improved public safety.** He also explored the applications of deep learning and computer vision in traffic detection and vehicle classification, highlighting tools like YOLOv8 and augmented datasets developed under the IITM HETRA initiative. **Professor Ramadurai shared insights from his IIT Madras-incubated startup, GoodMove Logistics,** addressing last-mile delivery and urban logistics challenges. The session concluded with a forward-looking discussion on V2X communication, IoT, 5G-enabled infrastructure, and the growing role of mobility as a service (MaaS). We sincerely thank Mr. H.R. Mohan (Chair, IEEE CS Madras), Dr. P. Sakthivel (Chair, IEEE CASS & CS Madras Chapter), Dr. Gomathy K. (CSI Chennai Chapter), and Dr. Koteeswaran (IEEE CS Madras) for their support in organizing this session. The event left participants with valuable insights into AI-driven transportation and encouraged further interest in research and innovation in the field.



**IEEE CS Madras, CSI Chennai, ACM Chennai,  
Sri Sairam Institute of Technology  
& IEEE CS SSIT SBC**


cordially invites you to the webinar on

**Data driven modeling of sustainable  
and safe transportation systems**


18-03-2025  
11:00 AM IST

Register at :  
<https://rb.gy/gzg4us>

Scan Me



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REPORTED BY:

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