



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: 18th March, Tuesday

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

MODE OF EVENT: Online

TARGET AUDIENCE: Student Members

ATTENDANCE: 40

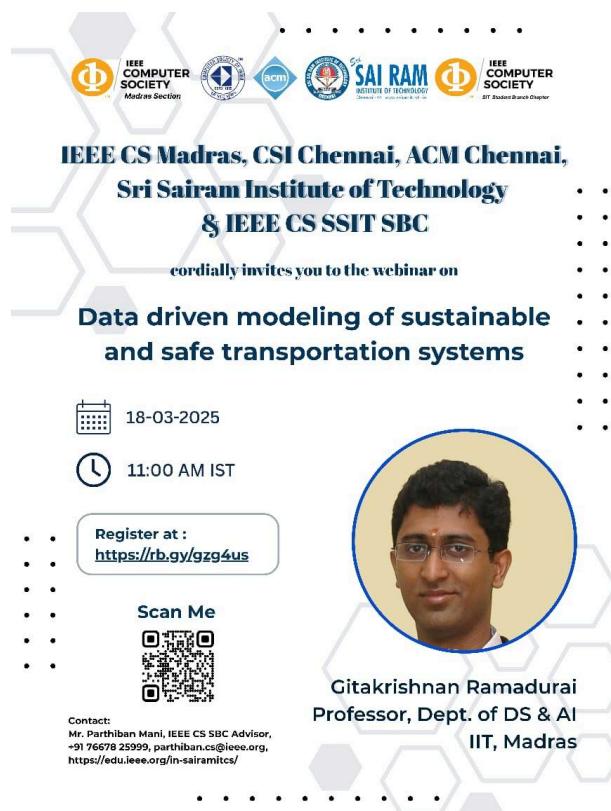
The webinar on “*Data-Driven Modeling of Sustainable and Safe Transportation Systems*” was successfully conducted with an engaged audience of students, faculty, and professionals from across institutions. The session was delivered by Professor Gitakrishnan Ramadurai, a leading expert in the domain of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



REPORTED BY:

Tanushri R M - IEEE CS SECRETARY