

## INVITATION TO RATE 2022

The fourth version of National Conference on RECENT ADVANCES IN TRAFFIC ENGINEERING (RATE 22) will be held at SVNIT, Surat. The conference aims to bring together professional engineers, academicians, researchers and others with interest in field of Traffic and Transportation and provide a forum to exchange their experiences. Post Graduate Section in Transportation Engineering & Planning, Department of Civil Engineering (DoCE), SVNIT extend a hearty invitation to all to attend the conference.

## ABOUT SVNIT SURAT

The institute was initially established as REC in 1961 and was upgraded as a NIT with the status of 'Deemed University' in, 2002. Sardar Vallabhbhai National Institute of Technology (SVNIT) is one of the pioneering engineering institutions of the country, the Institute of National Importance, which has contributed many outstanding engineers in India and abroad. It is conducting six UG programs, twenty PG programs, and Ph.D. programs in all disciplines of engineering and applied sciences as well as five-year Integrated M. Sc. Program in Mathematics, Physics and Chemistry. Special attention is also given to interdisciplinary research.

## ABOUT DEPARTMENT OF CIVIL ENGINEERING

The Department of Civil Engineering is one of the pioneering departments of the Institute established in 1961. Department offers Post-graduate and Doctoral Programs in the following areas in addition to undergraduate programme:

- Transportation Engineering and Planning
- Environmental Engineering
- Water Resources Engineering
- Urban Planning
- Geotechnical Engineering
- Structural Engineering
- Construction Technology and Management

Department has Centre of Excellence in Water Resources and Flood Management. Department offer consultancy services in all the areas of civil engineering. Currently, 60 doctoral students have successfully completed their research at the department.

## ABOUT TEP SECTION

Transportation Engineering and Planning Section (TEP) section of SVNIT was established in the year 2007. The yearly intake of master's programme in DoCE in Transportation Engineering and Planning Section is 27. Since its inception, more than 120 students have completed their master's programme and 22 students have completed their doctoral studies in Transportation Engineering and Planning. The alumni of the section are well placed in leading consultancy firms and academic institutions, while some of the alumni have joined doctoral program in reputed institutions in India and abroad. The section has strong academic ties with CSIR-CRRI, New Delhi; IITs; NITs; The Technical University of Munich (TUM) – Germany; University of North Carolina- Charlotte; Queensland University of Technology; University of Missouri etc. SVNIT Surat was one of the seven premier institutions involved with CSIR - CRRI in the successful completion of the Inter Agency Project (IAP) titled, "Indian Highway Capacity Manual" (referred as 'Indo-HCM') sponsored by the Council of Scientific and Industrial Research (CSIR), New Delhi.

The researchers of the section publish more than 50 papers in peer reviewed journals and conferences yearly. Presently, the section has ongoing research projects awarded from prestigious agencies like DST, DST-DAAD, CSIR-CRRI, NRIDA - New Delhi and MOUHA with grant of more than 2 crore. The faculty members of the section are also actively involved in consultancy works for government and semi government organisations in the areas of pavement design, intersection improvement, road safety and transport planning. The section has recently conducted eight training programmes on Road Safety Engineering Measures in association with Asian Infrastructures Investment Bank (AIIB), Asian Institute of Transport Development (AITD) and MORTH. One such workshop on Road Safety: Engineering, Enforcement & Education with Gujarat Road Safety Authority (GUJROSA), Gandhinagar, Gujarat. The section has successfully hosted three editions of national conference on Recent Advances in Traffic Engineering (RATE) and GIAN program on Road Safety. TEP, SVNIT was also co-organizer of 4<sup>th</sup> conference of Transportation Research Group (CTRG) of India in association with IIT-Bombay and going to host 7<sup>th</sup> CTRG in 2023 in Surat.

## CONFERENCE OBJECTIVES

Rapid urbanization and improved socio-economic status from past few decades has resulted in high vehicular growth. The problem become more severe with mixed traffic behavior on urban streets as pedestrian, bicycles, buses, cars, motor cycles/scooters, auto rickshaw, cycle rickshaw share the same street space creating inefficient mobility conditions. Estimation of capacity and level of service is key to carry out effective traffic and transportation planning. It does help in traffic control and regulation as well.

Invited eminent speakers will present the outcomes of the research carried out in recent times on the urban traffic study. The conference is aimed to develop potential thrust on Road Safety Using Surrogate Safety Measures while data is collected with advanced equipment's/technologies like Unmanned Aerial Vehicle (UAVs), Wi-Fi sensors, RFID sensor, etc. The programme will benefit the decision-makers, professionals from consultancy firms, municipal traffic engineers, academicians, post graduate students and research scholars.

## CONFERENCE THEMES

RATE 2022 invites papers related to transport planning, traffic engineering and pavement technology. The topics include, but are not restricted to:

- Urban and Regional Transportation Planning
- ITS applications in traffic management
- Mix traffic characterization & modelling
- Traffic operation control, and management
- Transit planning and Operations
- Traffic safety & vulnerable road users
- Pedestrian Facilities and Non-Motorized Transportation
- Sustainable transportation
- Land Use and Transport Interactions
- Pavement surface characterization
- Advance approaches in traffic data collection & monitoring using innovative and unconventional techniques
- Surrogate safety assessment using traffic conflict techniques, before and after analysis.

## Fourth National Conference on Recent Advances in Traffic Engineering (RATE - 2022) 11 - 12 November, 2022



Special Issue in  
Transportation Letters:  
The International Journal of Transportation Research\*  
& (\*Only selected papers)

Publication in Springer Proceedings  
[Scopus Indexed]



ORGANIZED BY

PG SECTION IN TRANSPORTATION ENGINEERING AND PLANNING  
DEPARTMENT OF CIVIL ENGINEERING  
SARDAR VALLABHBHAI NATIONAL INSTITUTE OF TECHNOLOGY SURAT-395007  
GUJARAT, INDIA  
<https://goo.gl/maps/FjWq5vhaucv>

## KEY CONFERENCE DATES

- Last date for submission of full-length papers → ~~16-08-2022~~ 24-08-2022
- Intimation of acceptance of full-length papers > 30-09-2022
- Last date for submission of revision > 15-10-2022

## ORGANISING COMMITTEE

PATRON	Director, SVNIT, Surat
CO-PATRON	Dr. G.J. Joshi, Professor & Head, DoCE, SVNIT, Surat
CHAIRPERSON	Dr. Ashish Dhamaniya, Associate Professor, DoCE, SVNIT Dr. Shrinivas S. Arkatkar, Associate Professor, DoCE, SVNIT
ORGANISING SECRETARIES	Dr. Rakesh Kumar, Professor, DoCE, SVNIT, Surat Shri Amit Solanki, Assistant Professor, DoCE, SVNIT, Surat

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- Prof. K. S. Reddy, IIT Kharagpur
- Prof. Samson Mathew, Director NATPAC
- Prof. M V L R Anjaneyulu, NIT Calicut

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- Prof. K. Gunasekaran, Anna University
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## REGISTRATION FEES

Participant	Fee for Conference (INR) (18% GST extra)	
	Before 1 <sup>st</sup> Nov 2022	After 1 <sup>st</sup> Nov 2022 or On-site
Students / Research Scholars	INR 1000/-	INR 1500/-
Faculty Members from Academic Institutes	INR 3000/-	INR 3500/-
Delegates from Industries and R&D Institution	INR 5000/-	INR 6000/-

## PAYMENT OF REGISTRATION FEES

Participants are requested to complete the registration process at the link <https://forms.gle/qLajfNApeBFhxQQz9>. They are requested to upload necessary documents after paying the registration fee. UG/PG/Research scholars have to attach bonafide certificate or photocopy of their valid identity card along with registration form. The non-refundable registration fee + GST @ 18% should be paid online through net banking to "Director, SVNIT-CCE" A/c No.: 37030749143, State Bank of India, SVRCET Branch, SVNIT Campus, Ichchhanath, Surat, IFSC: SBIN003320. While paying through the net-banking, in remarks the purpose should be written as "RATE 2022 Registration Fee". (Kindly save the receipt or take screenshot of the payment).

**Note:**  
Registration fees does not include accommodation, local travel & other expenses

## CALL FOR SPONSER/CO-SPONSER

This national event is likely to be sponsored by AICTE, CSIR-CRRI and DST, New Delhi. However, industries / organizations are also invited to sponsor this major event and to participate in the conference.

Sponsorship Fee	No. of Free Delegates
Rs. 1,00,000/-	10
Rs. 50,000/-	5
Rs. 25,000/-	3

Advertisements are also invited from leading industries / organizations.

## CORRESPONDENCE ADDRESS

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### STUDENT COORDINATORS

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## PAPER SUBMISSION GUIDELINES

- The length of the full paper should not exceed 7500 words including references.
- Each table and figure will be considered equivalent to 250 words
- All text should be in 12 points Times New Roman with 1.5 line spacing.
- Use Headings and Sub-headings in numbered form (1 for heading, 1.1 for sub-heading and so on).
- Use Harvard style of referencing.
- Please don't mention any author details and Acknowledgement in the manuscript.
- The full paper submission portal is open. The submission is carried out through EasyChair. Please use the follow link.

<https://easychair.org/conferences/?conf=rate2022>

## REVIEW PROCESS

- All papers will go through the double blind review process before decision.
- Some of the high quality papers published in the conference will be considered for possible publication in the "Transportation Letters: The International Journal of Transportation Research" published by Taylor and Francis.
- All accepted papers will be published in the proceedings of RATE 2022.
- For further updates will be available on the conference website.

## ACCOMMODATION

The accommodation facility can be availed on SVNIT campus on payment basis. Please refer to <https://www.svnit.ac.in/web/campus.php?tag=guesthouse> for more details.



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