

A NATIONAL CONFERENCE ON



NOISE AND AIR POLLUTION

NAP-2021

January 29-30, 2021

ORGANISED BY



***Department of Civil Engineering
Sardar Vallabhbhai National Institute of Technology (SVNIT)
Surat, Gujarat***

About the Institute

The Institute was initially established as Sardar Vallabhbhai Regional College of Engineering & Technology in 1961 and was upgraded as National Institute of Technology with the status of institute of National Importance on Aug 15, 2007. Sardar Vallabhbhai National Institute of Technology (SVNIT) is one of the pioneering engineering institutions of the country which has contributed many outstanding engineers in India and abroad. At present, SVNIT is conducting six UG programs, eighteen PG programs, and a Ph.D. program in all disciplines of engineering and applied sciences. The institute is also running three M.Sc. integrated programs in applied Sciences. The institute has an excellent placement record with a number of top ranking companies visiting the campus every year.

About the Department

The Department has highly qualified faculty members engaged in teaching, research and development with the aim of achieving excellence in their fields. Department offers Doctoral Programs in the following areas:

- Water Resources Engineering
- Environmental Engineering
- Transportation Engineering and Planning
- Urban Planning
- Construction Project Management
- GIS and Its applications

Civil Engineering Department has number of collaborative works with prestigious organizations and institutes like SPCB, SMC, SUDA, CRRI, IIT Bombay, CWC etc.

About the Conference

Department of Civil Engineering at Sardar Vallabhbhai National Institute of Technology (SVNIT) Surat is organizing a National conference on “NOISE AND AIR POLLUTION-2021”. The conference aims at providing a forum for academicians, scientists, researchers, practitioners and consultants for intellectual discussion and dissemination of information derived from their research contributions in the fields on air and noise pollution monitoring, assessment, impact prediction, health issues, mathematical modeling and soft computing.

THEMES

Research papers will be presented and discussed within the following themes:

Air pollution: Monitoring and Modeling

- Stack monitoring and emission characterization
- Plume dispersion modeling
- Automobile exhaust monitoring and modeling
- Particulate matter emission monitoring
- Air quality monitoring and index

Noise pollution: Modeling and management

- Noise monitoring
- Noise mitigation measures for industries
- Traffic noise monitoring
- Traffic noise mitigation management
- Noise mapping in urban areas (2D & 3D)

Noise and Air pollution: Health impact assessment and modeling

- Noise annoyance assessment and modeling
- Traffic noise health impact modeling
- Dioxins, Furans, Heavy Metals as air pollutants
- Effect of PM₁₀, PM_{2.5} and PM₁
- Indoor air pollution effects

Air and Noise: Applications of soft computing in assessment and modeling

Case Studies using following soft computing tools:

- Fuzzy logic
- Artificial neural network
- Genetic algorithm
- AHP and others

ORGANISING COMMITTEE

Patron: Dr. S. R. Gandhi, Director, SVNIT Surat

Convener: Dr. M. Mansoor Ahammed, Professor & Head, CED, SVNIT

Organizing secretary: Dr. B. N. Tandel, Assistant Professor, CED, SVNIT

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Associate Professor
IIT Bombay

Shifting to virtual Conference NAP-2021

Virtual meetings / conference isn't a new concept, but the effects of COVID-19 have caused the use of online conferencing tools to skyrocket. In an attempt to slow the spread of COVID-19, countries and states declared lockdown, so unfortunately, organizing committee had to cancelled the national conference event. Now in the current scenario, the organizing committee has decided to organize the conference NAP-2021 by virtual (online) mode. Our reviewer team has already reviewed your paper as you submitted in our official mail address nap2k19@gmail.com and the research papers which have been accepted are invited to present their research work in these new dates 29-30th January 2021 in virtual (online) mode. Intimation for the change in dates have been sent to all the authors by email. Those who want to attend the national conference and listeners are requested to send the duly filled registration form on the conference email address nap2k19@gmail.com along with proof of registration fess paid. Detailed schedule of various session will be displayed within 2-3 days. The session will be held online in goggle meet and link for the same will be shared with the paper presenter and listener a day before the national conference.

With you online on 29th January, 2021.

*For any query please contact:

Faculty Coordinator:

Dr. B. N. TANDEL

Department of Civil Engineering

S.V. National Institute of Technology, Surat-395007

Contact:

E-mail: bnt@ced.svnit.ac.in

Mobile: +91-9825553175

Student Coordinators:

MR. RAMESH RANPISE

Research scholar, Department of Civil Engineering

S.V. National Institute of Technology, Surat-395007

Contact:

E-mail: d18ce017@ced.svnit.ac.in

Mobile: +91-9850394932

REGISTRATION FORM

A National Conference on Noise and Air pollution, 29-30, January 2021

Name: _____

Age: _____ Gender: Male/Female

Designation: _____

Institute/ Organization: _____

Address for correspondence: _____

Contact number: _____

Email: _____

Category (Please tick [] in the appropriate box):

Presenting Author []

Non-presenting Author [] *Participant* []

Registration fees: Rs. _____

D.D. no.: _____ Date: _____

Drawee bank: _____

Require Lodging / Boarding Facility? **Yes / No**

Date:

Place:

Signature of Applicant

The participation of the student Mr./Ms. _____ from
my Institute in this conference is hereby approved.

Date:

Signature of Head of Department with Seal