

National Conference  
On  
**Turbomachines, Energy  
and Combustion**



**29 & 30<sup>th</sup> November, 2021**

**CALL FOR PAPERS**



**ORGANIZED BY**

**Department of Mechanical Engineering  
Sardar Vallabhbhai National Institute of  
Technology, Surat -395007  
Gujarat, INDIA**

**ABOUT SVNIT**



Sardar Vallabhbhai National Institute of Technology (SVNIT) Surat is one of the National Institutes of Technology in India. The objective is to provide high quality technical education to meet the needs of the Nation in the present competitive world. SVNIT is situated on Athwa-Dumas Road, Surat. The campus is opposite to the Ichchhanath Temple, Piplod. The campus is spread over 256 acres of lush green forest, which is midway between the Surat Domestic Airport and Surat Railway station, and is well connected by city buses and local trains. The campus is around 10 km from the Surat Railway station and 8 km distance from the Airport.

**ABOUT DEPARTMENT**

The Institute is established in 1961 with three disciplines of Civil, Electrical and Mechanical Engineering. The department offers Under Graduate course in Mechanical Engineering with intake of 225 students and five Post Graduate programs i.e. Turbo-machines, CAD-CAM, Mechanical Engineering, Thermal System Design and Manufacturing Engineering. The department also offers Ph.D. programs to promote basic research activities in the abovementioned areas. The consulting services in diverse fields of Mechanical Engineering are carried out for R & D sectors, Industries and Institutes. Department is well equipped with different 18 laboratories and advanced computing facilities. At present 113 research scholars are registered and pursuing Ph.D.

**ABOUT THE CONFERENCE**

National Conference on **Turbomachines, Energy and Combustion** will be held during 29 and 30<sup>th</sup> November, 2021 at Sardar Vallabhbhai National Institute of Technology, Surat. The Conference aims to bring together experts from academic, R&D and industrial communities to address new challenges, present their latest research findings, ideas, developments and perspective of the future directions in the field of Turbomachines, Energy and Combustion. NCTEC 2021 invites all the researchers to participate in conference.

**OBJECTIVES**

The objective of this conference is to provide platform for the faculty members, research scholars, young scientists, and post graduates students of various organizations to interact and exchange their ideas in the field of Turbomachines, Energy and Combustion from national academic institutes, research laboratories, and relevant industries. This conference involves invited keynote talks by distinguished experts from IIT's, IISc, NIT's, and reputed industries.

**PUBLICATION**

Peer review will be done by eminent experts in the respective research area

- All accepted papers will be published in conference proceedings with ISBN number.
- Option for the journal for publication will be available. *(Journal will conduct the quality checks before publication. The registration fees will be different for this option. For regular update kindly visit conference website)*

## THEMES

Original and unpublished research or review papers are invited related to following themes of the conference, but not limited to:

### Turbomachines:

Hydraulic turbines, Pumps, Wind turbines, Compressors, Blowers, Aerodynamics, Computational Fluid Dynamics, Turbulent flows

### Energy:

Conventional Energy : coal, oil and natural gas, IC engines, Renewable energy : Solar thermal, biomass, bio fuel, wind hydro and ocean energy, Fuel cells, Electric vehicles, Energy storage : Thermal storage, hydrogen storage, phase change materials, Energy policy, economics and management, Computational and Experimental techniques in thermal and fluid engineering, Cryogenics, Experimental techniques, Heat Transfer Enhancement and Equipment, multiphase flow, Refrigeration and Air conditioning, Heat exchangers

### Combustion:

Combustion, Propulsion, Fire Dynamics, Reactive flows, combustion chambers, after burners

*The good quality research papers, other than above topics can also be consider.*

### Special Attractions

- Best paper awards in each track
- Best poster award in each track
- Young researcher award for students below the age 35 Years.
- Excellent researcher award

## ORGANIZING COMMITTEE

### CHIEF PATRON

**Prof. S. R. Gandhi**  
Director, SVNIT, Surat

**Prof. P. L. Patel**  
Deputy Director, SVNIT, Surat

### PATRON

**Prof. J. Banerjee**  
Head, MED, SVNIT, Surat

### CONTACT PERSONS

**Dr. Vimal Patel**  
**Dr. Vikram Rathod**  
conference.svnit@gmail.com

## IMPORTANT DATES

Last date for full Length paper submission	<b>30/09/2021</b>
Review comments on full length paper	<b>05/10/2021</b>
Submission of Camera-Ready paper	<b>15/10/2021</b>
Early bird registration deadline	<b>31/10/2021</b>
Normal registration deadline	<b>15/11/2021</b>

## USEFUL LINKS

### Link to download templet for paper

[https://drive.google.com/file/d/1vBRo0uNY\\_xnkqfthmuV4HgCIPTtqkuon/view?usp=sharing](https://drive.google.com/file/d/1vBRo0uNY_xnkqfthmuV4HgCIPTtqkuon/view?usp=sharing)

### Link for conference registration

<https://forms.gle/Pg2DxErEsVtY6u57>

### Link for paper submission

<https://easychair.org/conferences/?conf=nctec2021>

## REGISTRATION DETAILS

It is mandatory to register at least one author after acceptance of the paper and to present it in the NCTEC-2021. The registration fees are shown in following table. It includes the presentation and conference proceeding publication charge. The registration fees for journal publication option will be updated on conference web site.

	<b>Early bird registration</b>	<b>Normal registration</b>
<i>Students/ Research scholars</i>	500/-	750/-
<i>Faculty members</i>	1000/-	1,500/-
<i>Industry person</i>	1500/-	2,000/-
<i>Listener</i>	1,000/-	1,500/-

The non-refundable registration fees should be paid only by ONLINE MODE in account of:

Name of beneficiary: Director SVNIT CCE

Account No: 37030749143

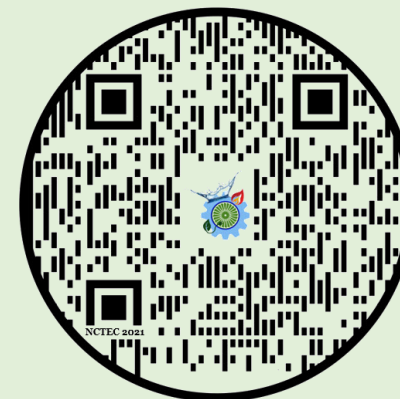
Nature of bank account: Current Account

MICR No:395002021

IFSC: SBIN0003320

Bank: State Bank of India, SVRCET branch, Surat

## CONFERENCE WEB SITE



**Note: For regular update kindly visit conference website**

<https://flowcode.com/p/OitrJY5t>

Email: conference.svnit@gmail.com