



EQUINOX

# EQUINOX 2022

VIRTUAL CONFERENCE

## 7<sup>TH</sup> INTERNATIONAL CONFERENCE ON ENGINEERING RESEARCH AND INNOVATIONS-(ICERI-2022)

Organized by:



In association with



## About College

Terna Public Charitable Trust's Terna Engineering College(TEC) is one of the well-known and premium technical institutions, with 'A' Grade from Government of Maharashtra having ISO 9001 quality management system and is among the top Colleges in Mumbai. It is located at Nerul, Navi Mumbai on a beautiful 3 acre campus. TEC is one of the premier institutes of technical education and offers a stimulating educational environment, with distinguished faculty members and state-of-the-art facilities. The institute is affiliated to University of Mumbai, approved by AICTE and has been awarded accreditation by National Board of Accreditation (NBA). TEC offers 7 UG, 4 PG and 3 PhD courses. Highest quality education is catered by TEC with curriculum extension by means of exceptional offerings like Engineering Products and Innovation Center (EPIC), Remote Center of IIT Bombay and MNIT Jaipur which facilitated student / faculty members to interact with IIT professors through video conferencing, Industry Institute Partnership Center (IIPC), Electronics club (collaboration with 25 local electronics SMEs), e-Yantra Embedded Systems and Robotics Lab, Apple lab, Texas Instruments Lab etc.

## About IFERP:

IFERP is a forum and non-profitable organization where innovations & research interest could be supported and developed prioritizing our mutual interest. Our forums & Associates constitutes of Professional leaders, Universities, Organizations & Associations connecting each other with a mission to work as wizards of science for defending the earth.

IFERP strengthens the professionals collective voice through strong leadership, promotion of the highest standards and recognition of technical excellence. IFERP supports the professional growth of its members by providing opportunities for professional networking, life-long learning, and career development. IFERP will be essential to the global technical community and to technical professionals everywhere, and be universally recognized for the contributions of technology and of technical professionals in improving global conditions

IFERP connect engineers, exchange global innovation and act as a bridge between Researchers & Academicians by organizing,

- ◆ International Conferences
- ◆ World Conferences
- ◆ Faculty Development Programmes
- ◆ International Workshops
- ◆ Seminars/Guest Lectures
- ◆ Short Term Training Programmes
- ◆ Providing Membership
- ◆ Establishing Chapters



## **About Conference:**

The aim of this conference is to provide an interdisciplinary platform for leading researchers, young engineers, academicians, industrialists and practitioners working in India and rest of the world to disseminate their innovations and contemporary research in the field of Electronics, Electronics and Communication, Mechanical, Mechatronics, Information Technology, Computer Engineering and related fields. The conference will feature traditional paper presentations and key note speeches by eminent speakers who will focus on state-of-the-art development in the field of Automation, Robotics and Information and Communication technology. The scope of EQUINOX-2022 is to provide a common platform where researchers, engineers, academicians and practitioners' confluence and cherish their research and innovations and deliberate upon futuristic research along with major bottlenecks.

## **OBJECTIVE OF THE CONFERENCE:**

The conference aims to bring together the leading Academicians, Scientists, Researchers and Research Scholars to exchange and share their experiences and research results over all aspects of Communication, Computing and Industrial Engineering towards sustainable development. The conference aims to convene the experts from various domains to enhance the knowledge about innovative technologies and present new research findings to promote global scientific and community collaborations in synergy with other Professional Associations.

## **THEME OF CONFERENCE:**

Conference revolves around bringing engineering, technology and science research areas synchronically on an indivisible platform. This conference will draw collectively research fellowships from diverse fields in unitedness, to share their research findings and latest ideas. The main intention of this conference is to integrate interdisciplinary inquiry to deliver the best applications



## Organizing Committee:

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(Former Home Minister, Government of Maharashtra  
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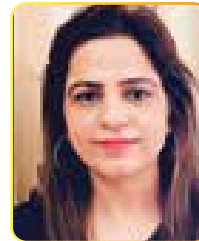
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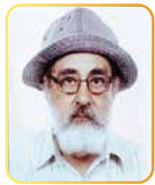
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**Prof. Vishal Bodhale**  
Assistant Professor  
Terna Engineering College



## Call for Papers:

### **VLSI & SIGNAL PROCESSING**

- ◆ Wireless technologies
- ◆ Antennas and Microwaves
- ◆ Mechatronics Engineering
- ◆ Optical communication
- ◆ Simulation tools
- ◆ MEMS
- ◆ Embedded systems and VLSI
- ◆ Nano Technology
- ◆ Control and Instrumentation
- ◆ Power electronics
- ◆ Solid state devices
- ◆ Image and speech processing
- ◆ Biomedical signal processing
- ◆ Sensors and Imaging
- ◆ Detection and estimation
- ◆ Signal processing
- ◆ Radar & Satellite communication

### **ADVANCED MANUFACTURING AND AUTOMATION**

- ◆ Manufacturing technologies
- ◆ CAD/CAM/CAE
- ◆ Automation and Robotics
- ◆ Quality and Reliability
- ◆ HVAC
- ◆ Heat and mass transfer
- ◆ IC engines and Electrical vehicles
- ◆ Sustainable manufacturing
- ◆ Logistics and supply chain management
- ◆ CRM and ERP
- ◆ Nano technologies
- ◆ Smart materials
- ◆ MEMS
- ◆ Renewable and Non-renewable energy
- ◆ Non-destructive Testing
- ◆ Industrial Engineering and Management

### **INFORMATION AND COMPUTER TECHNOLOGIES**

- ◆ Artificial Intelligence
- ◆ Neural network
- ◆ Bioinformatics and scientific computing
- ◆ Big data and Smart cities
- ◆ Computer networks
- ◆ Software engineering and testing
- ◆ Multimedia systems
- ◆ Data warehouse and data mining
- ◆ Cloud computing
- ◆ IOS technology
- ◆ Network security and cyber security
- ◆ Next generation network
- ◆ Usability engineering
- ◆ Biometrics /forensic /disaster recovery and management

### **ADVANCES IN CIVIL ENGINEERING**

- ◆ Structural Engineering
- ◆ Geotechnical Engineering
- ◆ Transportation Engineering
- ◆ Environmental Engineering
- ◆ Water Resources Engineering
- ◆ Town Planning and Infrastructure

## Publications in Journals

The Engineering Technology Open Access Journal could also be a colossal online journal publication that deals with all varieties of Engineering Technology.

The IFERP journals embrace transmission, subject area, Management in Engineering, design, manufacture, performance validation, and application of high exactness machines, instruments, and parts.

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- 2.Special /Thematic Issue



### Scopus Journals

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### Web Of Science

Web of Science subscription-based service gives you access to numerous databases with citation data for academic areas.



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## Publication in Conference Proceedings

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## Publication Assistance | Research Consultant

IFERP journal papers assist clients in the development of research papers for submission in reputable sectors.

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### Research Article Writing

We personalize your journal research writing with rapid improvement of your chance being accepted.



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We provide amazing research papers that will help you advance in your field.



## Proceedings:

All the accepted papers of the "7TH INTERNATIONAL CONFERENCE ON ENGINEERING RESEARCH AND INNOVATIONS, ICERI'2022" will be published by IFERP in a proceeding book with ISBN Number.

Note: For more details regarding the publication feel free to contact us in Call/WhatsApp @+91 8122268465 or drop an email to [info@iceri.in](mailto:info@iceri.in)

## **Abstract Submission Process followed by the Author's**

1. Use word document while submitting the abstract
2. Use 12-point Times New Roman for the main text and smaller fonts may be used for figure captions.
3. The width of each line should not exceed 17.5 cm or 7.0 inch.
4. Start the first line leaving a space of 2.5 cm or 1.0 inch on the upper side.
5. The Title, Author's Names, and Affiliations should all be centred.
6. Insert one blank line between the Affiliations and the main text.
7. Main text should be fully justified with single spacing.
8. Use bold face with bigger fonts for the Title but not for Authors, Affiliations, and the main text.
9. Please underline the presenting Author.
10. Leave a space of at least 2.5 cm or 1.0 inch on the bottom of the text. Page numbers will be printed there.

## **Full paper Submission Guidelines:**

1. Background, Motivation and Objective
2. Statement of Contribution/Methods
3. The width of each line should not exceed 17.5 cm or 7.0 inch.
4. Results, Discussions and Conclusions
5. Total number of pages must be 6-8 in double column format
6. In addition, the total number of characters excluding spaces, Title, Author Names, and Affiliations

## **Reviewing Process Followed By IFERP:**

- ◆ Every manuscript that is submitted to us will be subject to an out-and-out, double peer-review process to determine if it meets our stringent quality standards and our self-imposed benchmarks for world-class research work.
- ◆ The author who is submitting a manuscript is required to take up the responsibility of ensuring that all other co-authors of the manuscript have agreed to its publication.
- ◆ This author will also take responsibility on behalf of all co-authors during the entire submission and double-peer review process period.
- ◆ In no way shall the publisher be held liable for any claims for compensation that may be raised by any party during this period.

## Registration Guidelines:

- ◆ For students registering late an extra amount of Rs.500/- will be charged.
- ◆ Registered members are asked to intimate about the registration immediately. After completion of registration fee process, participants are required to send the scan copy of the registration fee receipt or transaction proof to us on or before the last date of registration.
- ◆ Any modification in the paper will be not accepted after the final submission date.
- ◆ After completion of registration fee process, participants are required to send the scanned copy of full paper.
- ◆ Terms & condition applied for journals.

## Registration Fee Structure:

Category	Registration Categories	Indian Authors(INR)		Abroad Authors (USD)
		IFERP Premium Members	Non IFERP Members	
Virtual Presentation	Students/Academicians	1500 INR	2000 INR	99 USD
	Others	2000 INR	INR 2500	
	Listeners	1000 INR	1500 INR	60 USD

\*\*Additional Charges Applicable for Scopus publication (T& C Apply)

## Bank Details

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<b>MICR-No</b>	600485006
<b>Swift Code</b>	KKBKINBB
<b>Branch</b>	Kodambakkam, Chennai
<b>Country</b>	India

**Important Dates :**

Early Bird Registration: 30<sup>th</sup> June 2022

Abstract Submission : 15<sup>th</sup> July 2022

Full Paper Submission : 30<sup>th</sup> July 2022

Registration Deadline : 17<sup>th</sup> August 2022



Contact Us: Call/ WhatsApp: +91-8122268465  
Mail Id : info@icri.in  
Website: <https://icri.in/index.php>  
(Our Associates logo has to be mentioned)