

#### CHIEF PATRON

Mr.K.V.RAJA, Chairman

#### PATRON

Mr.K.SHIVARAM ALVA, Secretary

#### CO-PATRON

Mr. R.VIMAL, Treasurer

#### GENERAL CHAIR

Dr.G.Mahendran, Principal

#### CONFERENCE CHAIR

Dr.S.Matilda, Vice Principal & Dean Academics

#### SECRETARIES

Prof.S.Jayalakshmy, Associate Professor/ECE

Dr.B.Elizabeth Caroline, Professor / ECE

Dr.P.Pughazhendiran, Professor / EEE

Dr.U.Palani, Professor / ECE

#### PUBLICATION AND FINANCE CHAIR

Dr.J.Vidhya, Associate Professor / ECE

Prof. M.Margarat, HoD / ECE

#### EXECUTIVE COMMITTEE

Prof. P. Kanimozhi, HoD/CSE

Prof. T. Rampradesh, HoD/EEE

Prof. J.Jayachithra, HoD/IT

Prof. V. Velmurugan, HoD/Mech.

Prof. S.Arulkumaran, HoD/Civil

Prof. M.Arun, HoD/MBA

#### ADVISORY COMMITTEE

#### INTERNATIONAL MEMBERS

Dr.Lipo Wang, Professor, Nanyang Technological University.

Dr.Jiankun Hu, Professor, The University of New South Wales, Australia.

Dr.Sim Kwan Yong, Associate Professor & Head of School-Engineering, Swinburne University of Technology, Sarawak Campus, Malaysia.

Dr.Yin-Wing Leung, Professor, Department of Computer Science, Hong Kong Baptist University.

Dr. Henry Selvaraj, Professor, University of Nevada, Las Vegas, NV, USA.

Dr.Vallavaraj, Deputy Dean Academic Affairs, National University of Science & Technology, Oman.

Dr. K. Muthukumarappan, Dept. of Agriculture & Bio Systems Engg, South Dakota State University, USA.

Dr.P.Sanjeevikumar, Aalborg University- Dept. of Energy Technology, Esbjerg, Denmark.

Marcin Kozak, Associate Professor, University of Information Technology and Management in Hreszow, Poland.

Dr. Abdul Rahim Sadiq Batcha, Associate Professor, MAHSA University, Malaysia.

Noor Zaman Jhanjhi, Associate Professor, Taylor's University SDN BHD.

Dr. Gabriela John, A.P. San Jose State University, California.

Dr. Bishnu Karki, A.P. South Dakota State University, South Dakota.

#### NATIONAL MEMBERS

Dr.N.Kumarappan, Chairman, IEEE Madras Section.

Dr.D.Devaraj, Secretary, IEEE Madras Section.

Dr.S.Joseph Gladwin, Treasurer, IEEE Madras Section.

Dr.Thangaprakash Sengodan, Execom Member, IEEE Madras Section.

Dr.Arun Raj Kumar.P, Assistant Professor, NIT, Calicut.

Dr.M.Prabu, Assistant Professor, NIT, Calicut.

Dr.R.Balasubramanian, Professor, IIT, Hoorkee.

Dr. Saravanan Chandran, Associate Professor, NIT, Durgapur.

Dr.V.Manikandan, Associate Professor, Coimbatore Institute of Technology.

Dr.K.Saravanan, Professor, School of Electronics Engineering, VIT, Vellore.

Dr.N.Senthilkumar, Senior Professor & Head, Mepco Schlenk Engineering College.

Dr.K.Suganya Devi, Assistant Professor, NIT, Silchar.

Dr.Gnanou Florence Sudha, Professor & Head, Puducherry Technological University.

Dr.A.Kumaresan, Assistant Professor, Hindustan Institute of Technology & Sciences, Chennai.

Dr. Yamuna Govindarajan, Professor, Annamalai University.

Dr. N. Venkateswaran, Professor, SSN College of Engineering, Chennai.

Dr.R.Ramesh, Professor, Anna University.

Dr.M.Sethumadhavan, Professor, Amrita Vishwa Vidyapeetham.

Dr.M.Thirumarimurugan, Professor and Head, Coimbatore Institute of Technology.

Dr.K.Sundararaju, Professor, M. Kumarasamy College of Engineering (Autonomous)

#### TECHNICAL PROGRAMME COMMITTEE

Dr. M.Saravanan, Department of ECE

Dr. P.Manivannan, Department of S&H

Dr. R.Senthil Kumaran, Department of ECE

Dr. T.Anantha Kumar, Department of CSE

Dr. P.Soupramanien, Department of S&H

Dr. M.Murugan, Department of S&H

Dr. P. Jacqueline Rosy, Department of S&H

Dr. D.Devi, Department of S&H

Dr. A.Vaithyanathan, Department of S&H

Dr. K.Santhanalakshmi, Department of S&H

Dr. M.Sujith, Department of EEE

Dr. C.Jesuraj, Department of S&H

Dr. K.Margandan, Department of S&H

Dr. D.Stalin David, Department of CSE

Dr. R.Thendral, Department of CSE

Dr. R.Satheesh kumar, Department of S&H

#### ADDRESS FOR CORRESPONDENCE

Dr.S.Matilda, Conference Chair - ICSTSN 2022

Vice Principal & Dean Academics

matilda@ifet.ac.in

Mrs. S.Jayalakshmy, Co-ordinator - ICSTSN 2022

Associate Professor/ECE

jayalakshmye@ifet.ac.in,

Mobile: 9994191007

Conference mail: icstsn2022@ifet.ac.in



## INTERNATIONAL CONFERENCE

on

## SMART TECHNOLOGIES AND SYSTEMS FOR NEXT GENERATION COMPUTING

(Technically Co-sponsored by IEEE Madras Section)

(ICSTSN 2022)

25<sup>th</sup> - 26<sup>th</sup> MARCH, 2022

Theme  
Smart Technologies and Systems



ORGANIZED BY

## IFET COLLEGE OF ENGINEERING

(AN AUTONOMOUS INSTITUTION)

Affiliated to Anna University, Approved by AICTE  
Recognized Research Centre of Anna University (ECE),  
Gangarampalayam, IFET Nagar, Villupuram-605108  
Tamilnadu, India  
www.ifet.ac.in



## ABOUT THE INSTITUTION

IFET College of Engineering, which has emerged as an autonomous Institution of repute, was established in the year 1998 under the aegis of Indo French Educational Trust. The college which has gained high reputation in the society through its academic excellence and placement records is located at Villupuram, Tamilnadu. The institution is affiliated to Anna University and has been accredited by NAAC and NBA. The college is also recognized by UGC under 2(f) and 12(b) status. The college presently offers 6 UG programmes in the discipline of CSE, ECE, EEE, IT, Mechanical and Civil Engineering, 3 PG programmes in the specialization of CSE, Applied Electronics and MBA. Recognized Research Center by Anna University conduct Ph.D programme for the department of ECE. IFET stands with pride in receiving the best college rank as rated by the "India Today" survey in 2019. The trust has taken sufficient steps in achieving its vision under the professional and vibrant stewardship of Mr.K.V.Raja, Chairman, Mr.K.Shivram Alva, Secretary and Mr.R.Vimal Treasurer. This sprawling campus provides a holistic education in an ambiance that makes no compromise on discipline, dedication and commitment. IFET has a phenomenal infrastructure, well defined-educational system and qualified faculty to mould Engineers of high quality on par with the International standards. Realizing that Research and Development is a key factor which fosters innovation, avenues to create a research atmosphere to meet global challenges are implemented in the institution. Students and Faculty are encouraged to publish their research work in journals and conferences of repute.

## ABOUT THE CONFERENCE

International conference on "Smart Technologies and Systems for Next Generation Computing" spotlights on all technical and practical aspects of Smart Technologies. The theme of the conference will foster an environment to create a mix of the professionals from academia and industry and focus on understanding the recent developments in this arena. This conference is aimed to reflect the current focus on global research, recent developments, challenges and emerging trends in the field of Information, Communication and describe significant advances in the areas of Smart Technologies which finds applications in diverse domains. The final outcome is bound to improve the knowledge and understanding of latest technologies from a production perspective and establish new collaborations.

## CALL FOR PAPERS

Authors are invited to contribute original research articles describing significant advances in the following areas not limited to

### COMPUTING

- Sensor networks
- Grid Computing
- Cloud Computing
- DNA Computing
- Artificial Intelligence, Machine Learning and Deep Learning
- Big Data/IoT
- Bioinformatics and Scientific Computing
- Computer Graphics & Virtual Reality
- Computer-aided Design/Manufacturing
- Data Mining
- Expert Systems
- Multimedia Applications
- Security & Cryptography
- Pattern recognition
- Security & Privacy in Smart Systems

### CIRCUIT & DESIGN

- Smart cards
- Nano Electronics/Devices
- Opto-Electronic Structures/Devices
- Nanophotonics
- Smart Antennas/Solar Systems
- Modulation and Coding Techniques
- Propagation and Computational EM

### POWER

- Forecast and Power Management Micro Grid
- Soft Computing Applications in Power Systems
- Power System Modelling & Control
- FACTS Devices - Applications in Power System
- Switchgear and Protection
- Smart Energy Distribution and Management System

### OTHER TECHNOLOGIES (OT)

- Humanitarian Technologies
- Robotics and Control
- Instrumentation and Automation
- Diagnosis and sensing systems
- Nano Technology and MEMS
- Non-destructive technology
- Smart building and Home Automation
- Smart Mobility Monitoring and control
- Smart Farming
- Remote sensing

## PAPER SUBMISSION GUIDELINES

- The original unpublished manuscripts having maximum length of 6 pages on the topics related to the theme of the conference are invited for presentation/publication in the conference proceedings.
- Kindly ensure that the paper is formatted as per IEEE template (not exceeding 6 pages) including authors' affiliations, figures and references.
- All submissions will undergo a double-blind peer review by peer reviewer and the selection will be based on originality, significance, quality of results.
- At least one author of an accepted paper must register and present his/her paper in conference.
- The IEEE anti-Plagiarism policy is applicable to all submissions. If any copyrighted content is used, permission log is required from the copyright holder. Additional pages per paper above limit will be charged.
- All papers must be submitted online via Microsoft CMT submission system using link:  
<https://cmt3.research.microsoft.com/ICSTSN2022>
- For template and further details, please visit conference website  
<http://icstsn2022.ifet.ac.in>

## PAPER PUBLICATION

All accepted and presented papers will be published in conference proceedings and will be eligible for submission to be included in IEEE Xplore Digital Library.

Category	Registration Fee			
	IEEE Member		Non-IEEE Member	
	Indian (₹)	Foreigner (USD)	Indian (₹)	Foreigner (USD)
Research Scholars and Student (UG/PG) Author	4000	100	5000	125
Faculty Author	5000	125	5500	150
Industry and Others	5500	150	6000	200

## IMPORTANT DATES

Full paper submission starts	: 25.09.2021
Paper submission closes	: 16.12.2021
Notification of Acceptance	: 30.12.2021
Deadline for Camera Ready	
Manuscript Submission	: 10.02.2022
Deadline for Authors' Registration	: 28.02.2022
Conference Dates	: 25.03.2022 to 26.03.2022