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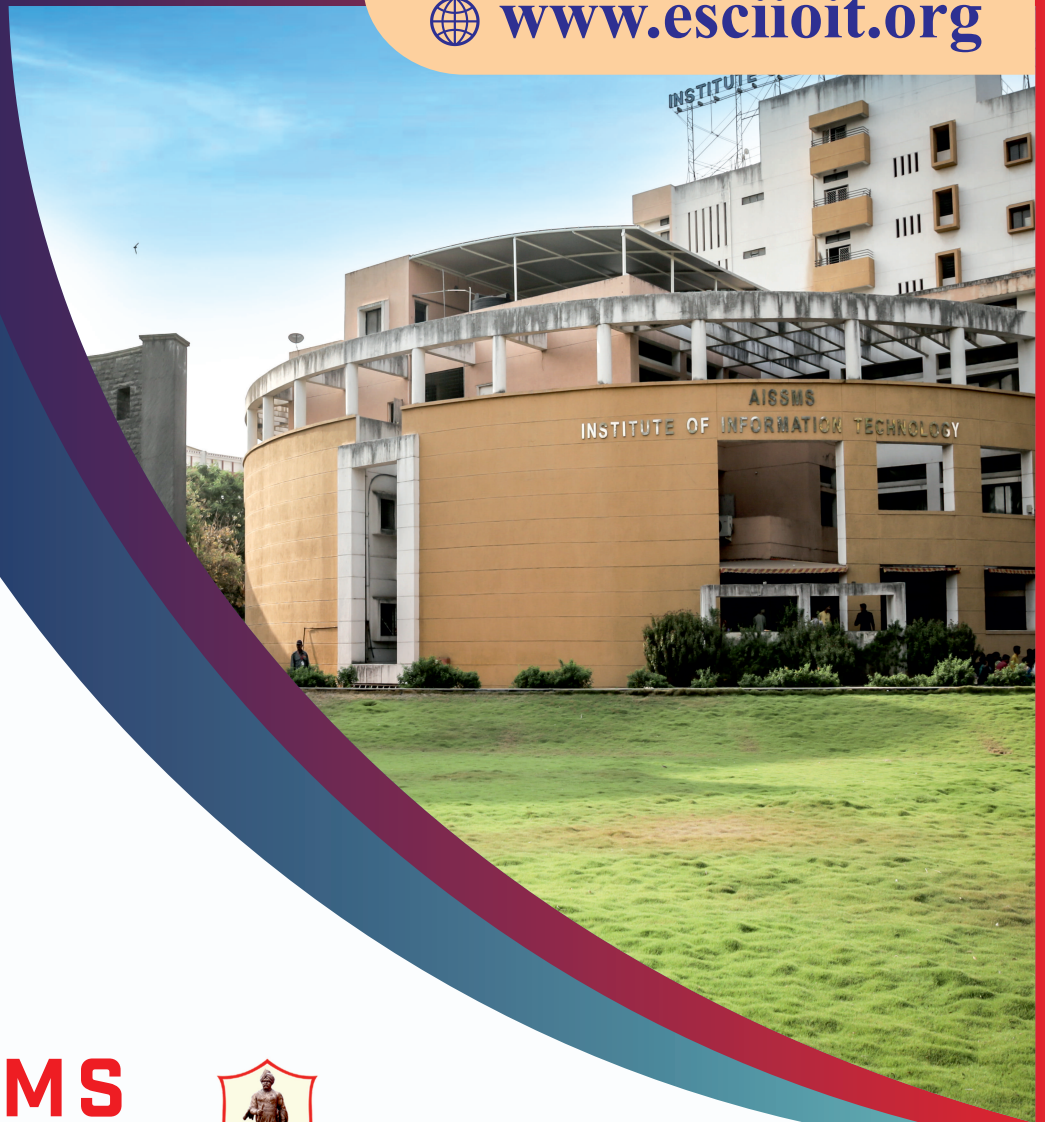
4th International Conference on Emerging Smart Computing and Informatics ESCI 2022

🌐 **www.esciioit.org**

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SIRG
Scientific Innovation Research Group

09th - 11th March 2022

IEEE-ESCI 2022

About Institute

All India Shri Shivaji Memorial Society was founded by Late Chhatrapati Shri Shahu Maharaj in 1917. Society is dedicated to the noble cause of military, general, technical, and management education in India. Twenty Institutions are under the ambit of society. Society management is very pragmatic and progressive. The All India Shri Shivaji Memorial Society's Institute of Information Technology, established in 1999, is a self-financing institution and is affiliated with the S. P. Pune University. It is approved by the AICTE, New Delhi, and the Director of Technical Education, Government of Maharashtra. The institution is accredited by NAAC 'A+' accreditation earlier it was 'A' grade and permanently affiliated to S. P. Pune University and three branches namely Electrical Engineering, Electronics Engineering, and Instrumentation Engineering are accredited by NBA. The institute has a well-qualified and dedicated staff with good infrastructure facilities for UG and PG courses in the form of well-equipped laboratories in all the branches. The Institute also has a Research center for Electronics and Telecommunication Engineering. The institution has been awarded by ISTE as National level Best Private Engineering College for 2015. It has also received the "Engineering Education Excellence Award 2015" from Indo Global Chamber of Commerce Industries and Agriculture. The institute is recognized by AICTE for "Best practices in Education" in 2018 and graded AAA by Careers 360 Engineering Ranking in 2021. The institute has received Best Research Award from the Center for Education Growth and Research (CEGR) in 2021. The institute is ranked 158 by "India Today" and ranked 17(Private), and 21(Overall) by "The Week Hansa Research Engineering College survey" in 2021. The institute is ranked 75 by "Outlook", and 101(Private), 111(Overall) by "Times Annual Top Engineering Institute Survey" in the year 2021. The institute is ranked 19 (West), 103 (overall) by "Week Magazines" in 2020.

About the Conference

The IEEE International Conference on Emerging Smart Computing and Informatics (ESCI-2022) is the platform where academics and industry researchers present their latest algorithms, models, and technologies and explore new trends and ideas on smart computing and informatics. The aim of this conference is to provide an allied platform for emerging trends in smart computing, networking, communication, signal and image processing, cyber security, and IOT.

The key intention is to provide an opportunity for the global participants to share their ideas and experiences in person with their peers expected to join from different parts of the world. In addition to this, the gathering will help the delegates to establish a research environment as well as to find the international linkage for future collaboration in their career path. The conference focuses on various modernization and innovation paradigms that may be applied to present practical and creative solutions to diverse issues in society, industry, and the environment.

The conference will be carried in virtual mode

About Pune (India)

Pune is the second-largest city in the Indian state of Maharashtra and is considered the cultural capital of Maharashtra. It is also known as the "Oxford of the East" due to the presence of several well-known educational institutions. The city has emerged as a major educational hub in recent decades, with nearly half of the total international students in the country studying in Pune. Research institutes of information technology, education, management, and training attract students and professionals from India and overseas. Several colleges in Pune have student exchange programs with other countries.

Pune is also home to plenty of IT Parks making it a major IT hub in India. The city portrays the rich Maratha culture in its heritage. Get to know more about it by visiting the forts, temples, and caves here. Pune is blessed with several places to visit. It is known for the grand Aga Khan Palace, built-in 1892. The average temperature in December is 10° to 28°C. Pune International Airport is connected to all major Indian cities and some of the international hubs.

Call for Paper

The international conference invites academics and industry researchers for publication of papers explaining literature review, problem statement, methodologies with appropriate results. The selected papers will be sent to the experts for review. Acceptance will be based on significant and innovative content, originality, and unpublished quality work. Accepted and presented papers will be published in IEEE Explore digital library. The Conference also invites special topics, tools, and applications in multi-disciplinary areas with workshops, tutorial sessions by expert academicians and professionals.

Highlights: To imbibe the research culture in undergraduate students, the conference invites undergraduate students to publish original, innovative, and quality research work. The accepted and presented papers will be published in the conference proceeding.

The conference invites the papers in the following domains and tracks but not limited to:

Track1: Smart Computing

Chair: Dr. S. N. Zaware

Dr. M. A. Thalor

- Artificial Intelligence, Machine Learning and Data Science
- Data Mining and Text mining
- Big Data Analytics and Metrics
- Cloud Computing, Mobile Computing
- Mobile Computing
- Natural Language Processing and Machine Translation
- Parallel and Distributed Algorithms
- Pattern Recognition and Analysis
- Modeling Systems and Software Engineering
- Ubiquitous and High-Performance Computing.
- Smart Innovation, Systems and Technologies
- Green computing
- Biomedical computing
- Mobile Computing
- Social Network Analysis

Track2: Internet of Things

Chair: Dr. A. A. Shinde

Dr. V. V. Kale

- Artificial Intelligence for IoT
- Security and Privacy for IoT
- Web of Things
- IoT Edge & Cloud architecture
- Industry X
- Smart Sensors
- Signal Processing, Actuation & Analytics
- Emerging Communication Technology
- Industry 4.0
- AI and Big Data
- IoT Communication Technologies
- Advanced Analytics
- Human Interaction with IoT
- Augmented and Virtual Realities(AR/VR)

Track 3: Image and Signal Processing

Chair: Dr. S. B. Dhonde

Dr. S. A. Panwar

- Image and Video Processing
- Multimedia Data Compression
- Digital and statistical signal processing
- Object Recognition
- Speech Processing, recognition and synthesis
- Music Information Retrieval and Computer Audition
- Advanced Biomedical Imaging
- Computer Vision
- Optical Information Processing
- Wavelets
- Machine Learning from Signals
- Deep Learning
- Radar and Sonar Signal Processing
- Acoustic Signal Processing

Important Dates

Submission of Regular/SS paper: **January 15, 2022**	Notification of Acceptance: **February 10, 2022**	Camera Ready Submission: **February 20, 2022**

IEEE Conference Link: https://conferences.ieee.org/conferences_events/conferences/conferencedetails/53509

Paper submission link: https://cmt3.research.microsoft.com/ESCI2022

Email Id: esciioit@aissmsioit.org

Registration Fees

Category	Indian	Foreign
IEEE Member	INR 4500/-	$100
Non IEEE Member	INR 5000/-	$150
IEEE Student Member	INR 3500/-	$100
Non IEEE Student Member	INR 4000/-	$150
Participants (Non Presenter)	INR 1000/-	$50

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