




# AISSMS

**INSTITUTE OF INFORMATION TECHNOLOGY**  
**ADDING VALUE TO ENGINEERING**

Affiliated to Savitribai Phule Pune University (ID No. PU/PN/ENGG/124/1998)  
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**Accreditation by NAAC with 'A' grade**





## IEEE INTERNATIONAL CONFERENCE ON EMERGING SMART COMPUTING AND INFORMATICS (IEEE - ESCI 2020)

### 12 - 14 MARCH, 2020

IN ASSOCIATION WITH



#### ABOUT THE UG CONFERENCE: (ENGINEERING STUDENTS)

This conference mainly focuses towards the emerging techniques required for smart computing and informatics. This conference aims to present a unified platform for advanced and multi-disciplinary research towards design of smart computing and informatics. The theme is on a broader front focuses on various innovation paradigms in system knowledge, intelligence and sustainability that may be applied to provide realistic solution to varied problems in society, environment and industries. The scope is also extended towards deployment of emerging computational and knowledge transfer approaches, optimizing solutions in varied disciplines of science, technology and healthcare.

The IEEE International Conference on Emerging Smart Computing and Informatics (ESCI-2020) 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 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 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 environment.

Throughout an engineer's career, the students are constantly called upon to communicate ideas to others. Researching, writing, and presenting a paper provides a student with invaluable early experience in expressing ideas related to their engineering field. International Conference on emerging smart computing and informatics (ESCI) Conference 2020 offers an opportunity to the student community to share and improve the sound knowledge of recent technologies and advancement.

#### AIM

The aim of this conference is to recognize technical, written and verbal communication skills of student members in the region and creating opportunities for collaboration to conceive and execute ideas.

#### OBJECTIVES

1. To encourage students in the preparation of better technical papers in the field of engineering and technology.
2. To present their research with superior presentation skills.
3. To offer an opportunity for the students to interact with the leading personalities in their engineering field.
4. Improvement in both written and verbal communication skills and gain knowledge on new technologies.

#### NOTE:

1. Quality Papers selected by the reviewers will be published in IEEE explorer.
2. Selected Papers will be published in UGC-CARE list of quality journals.
3. Good Quality Papers can be sent for publication in Scopus\* Journal. (\*Charges Applicable)

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

#### Track 1: Smart Computing

- Artificial Intelligence and Machine Learning.
- Data Mining and Text mining.
- Big Data Analytics and Metrics.
- Cloud 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.

#### Track 2: Network and communication

- Cognitive Radio and Cognitive Networks.
- Communication Architecture.
- Control Systems and Applications.
- Real-Time Networking.
- Optical Networks and Systems Protocols and Standards.
- Satellite and Space Communications.
- Smart Grid Systems and Intelligent Control.
- Smart Communication System Models.

#### Track 3: Image and signal processing

- Image and Video processing.
- Object recognition.
- Speech processing.
- Medical imaging.

#### Track 4: Cyber security

- Information, network and applications security.
- Access control, web filters and firewalls.
- Intrusion detection and incident response.
- Vulnerability assessment and mitigating attack.
- Social engineering and phishing attacks
- Information security management and governance.
- Software security and secure coding.

#### Track 5: IOT and Automation

- Industrial Networks and Automation.
- Cognitive Approach for Robotics.
- Mobile Robots and Intelligent Autonomous Systems.
- Human-Machine Interfaces.

#### Additional UG Track – Track 6: Electrical, Electronics & Communication Engg.

- Renewable Energy and Power System
- Power Electronics
- Electromagnetic and Remote Sensing
- Integrated Systems, Circuits and VLSI Design
- Nano Technology & Photonics
- MEMS, NEMS
- Systems, Controls
- Robotics
- HVAC and HVDC Systems

#### Registration Link :

<https://in.explara.com/e/ieee-esci-2020/checkout> OR Scan the QR Code given below

#### Important Dates :

Conference Date:	12 <sup>th</sup> , 13 <sup>th</sup> & 14 <sup>th</sup> March 2020
Abstract Submission:	15 <sup>th</sup> February 2020
Notification of Acceptance:	20 <sup>th</sup> February 2020
Camera Ready Submission:	25 <sup>th</sup> Feb. 2020

#### Registration Fees:

Category	Fees
IEEE Student Member (Max. 4 Students)	INR 1000.00
Non IEEE Student Member (Max. 4 Students)	INR 1500.00
Participants(Non Presenter)	INR 200.00
Accompanying Extra Author	INR 500.00

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**Dr. Sarika Panwar**, UG Track Co-Chair

#### Full Paper Submission:

Authors are requested to send the paper on [ugtrack@aissmsioit.org](mailto:ugtrack@aissmsioit.org)  
 1.The following link can be referred for templates in Microsoft Word and LaTeX.  
<https://www.ieee.org/conferences/publishing/templates.html>  
 2.The length of your manuscript should be of maximum 4 pages.  
 3.Your manuscript should be made a PDF format.