

Other AISSMS Institutions

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- ❖ AISSM Society's Polytechnic, Pune-411001
- ❖ AISSM Society's College of Pharmacy, Pune-411001
- ❖ AISSM Society's Institute Of Management (MBA), Pune-411001
- ❖ AISSM Society's College of Hotel Management & Catering Technology, Pune-411005
- ❖ AISSM Society's Industrial Training Institute, Boribhadak, Pune-412202
- ❖ AISSM Society's ShriShivaji Preparatory Military School, Pune-411005 (Secondary)
- ❖ AISSM Society's ShriShivaji Preparatory Military School, Pune-411005 (HSC Science & Commerce)
- ❖ AISSM Society's ShriShivaji Preparatory Military School, Pune-411005 (MCVC)
- ❖ AISSM Society's ShriShivaji Preparatory Military Primary Boarding School, Pune-411005
- ❖ AISSM Society's ShriShivaji Preparatory Military Day School& Junior College, Pune-411001 (Secondary)
- ❖ AISSM Society's ShriShivaji Preparatory Military Day School & Junior College, Pune-411001 (HSC)
- ❖ AISSM Society's ShriShivaji Preparatory Military Day School & Junior College, Pune-411001 (MCVC)
- ❖ AISSM Society's ShriShivaji Preparatory Military Primary Day School, Pune-411001
- ❖ AISSM Society's Shivaji Preparatory Military Nursery School, Pune-411001



8th International Conference On Emerging Smart Computing and Informatics (ESCI-2026)



11th, 12th & 13th March 2026



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8th IEEE International Conference On
Emerging Smart Computing and
Informatics (ESCI-2026)
Hybrid Mode

11th – 13th March, 2026

Organized By



All India Shri Shivaji Memorial Society's
Institute of Information Technology Pune

Table of Contents

Our Heritage	5
About Institute	6
Messages	7
Chief guest	15
Keynote Speakers	18
Conference Committee	20
ESCI2026 Programme Schedule	25
Abstracts	43
List of Reviewers	123
Industry Partners	127

Our Heritage



The All India Shri Shivaji Memorial Society was established in 1917 as a broad based educational and social welfare organization by the erstwhile Royal house of Kolhapur, supported by the Royal House of Indore and Gwalior, with a benevolent mission of the welfare of their subject.

The foundation stone of the All India Shri Shivaji Memorial Society was laid at the hand of His Royal Highness, the Prince of Wales, on 19th November, 1921. The equestrian status of Chhatrapati Shivaji Maharaj was executed by the famous Indian Sculptor, Shri Nansaheb Karmarkar and was unveiled by his Excellency Sir Leslie Wilson, Governor of Bombay on 16th June, 1928.

The original plan for the famous heritage building for Shri Shivaji Preparatory Military School was conceived by the Tata construction Co., later redesigned by Rao Bahadur Jagtap and the building was constructed by Rao Bahadur Thube. At the instance of the Chhatrapati Rajaram Maharaj of Kolhapur, the building was inspected by then Commander- in- Chief of the British Army of the India and declared fit to house a Military School. His excellency sir Frederick Sykes Governor of Bombay inaugurated the School on 23 September 1933.

The renowned Engineering Colleges, College of Pharmacy, Polytechnic, Institute of Management and College of Hotel Management and Catering Technology are under the ambit of the society.

Through its various institutions AISSMS has provided the society with exemplary citizens. Some of the most decorated soldiers of the Indian Army have been the alumni of Shri Shivaji Preparatory Military School (SSPMS), the flagship institute of AISSMS. The students are persuaded to maintain strict discipline and regularity. State-of-art infrastructure, facilities of International standard, highly qualified and experienced faculty and dynamic and dynamic and comprehensive teaching learning process are some of the highlights of Institute of AISSMS.

About Institute

About Institute

The All India Shri Shivaji Memorial Society's Institute of Information Technology was established in 1999, is a self-financing Institution and is affiliated to the S. P. Pune University. It is approved by the AICTE, New Delhi and the Director of Technical Education, Government of Maharashtra. The institute is re-accredited with "A+" grade in cycle II by National Assessment and Accreditation Council (NAAC), granted Autonomous status by the UGC and 5 UG programs have been accredited by National Board of Accreditation (NBA).

Our college runs Engineering Degree programs in the branches of Computer Engineering, Information Technology, Artificial Intelligence and Data Science, Electronics and Telecommunication Engineering, Electrical Engineering and Instrumentation leading to the degree of B.E. of Savitribai Phule Pune University. We also have PG courses in Electrical and E&TC Departments and a Ph.D. Research Centre in E&TC.

About Conference

The 8th IEEE International Conference on Emerging Smart Computing and Informatics (ESCI-2026) 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.

The conference proceeding 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 multidisciplinary areas with workshops, tutorial sessions by expert academicians and professionals.

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

The conference invites the papers in the following domains /tracks:

- **Track 1: Smart Computing**
- **Track 2: Image and Signal Processing**
- **Track 3: Internet of Thing and Automation**

Message from Chairman, AICTE



प्रो. टी. जी. सीताराम
अध्यक्ष

Prof. T. G. Sitharam

FNAE, DGE, FASCE, FICE (UK)
Ph.D. (Univ of Waterloo, Canada), D.Sc
Post Doc (Univ of Texas, @Austin USA)

Chairman



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(A STATUTORY BODY OF THE GOVT. OF INDIA)

(Ministry of Education, Govt. of India)

Nelson Mandela Marg, Vasant Kunj, New Delhi-110070

Phone : 011-26131498

E-mail : chairman@aicte-india.org

Message

It gives me immense pleasure to know that All India Shri Shivaji Memorial Society's Institute of Information Technology (AISSMS IOIT), Pune, is organizing the 8th IEEE International Conference on Emerging Smart Computing & Informatics (IEEE-ESCI 2026) from 11th to 13th March 2026.

In the present era of rapid technological transformation, domains such as Smart Computing, Artificial Intelligence, Data Science, Signal and Image Processing, and the Internet of Things are playing a pivotal role in shaping sustainable, intelligent, and inclusive solutions for societal and industrial challenges. Conferences like IEEE-ESCI provide an excellent platform for researchers, academicians, industry professionals, and students to exchange ideas, share innovations, and foster collaborative research that contributes meaningfully to national and global development.

I appreciate the consistent efforts of AISSMS IOIT in organizing this conference over the years and maintaining high academic and research standards, as reflected by the large number of submissions and a rigorous peer-review process. Such initiatives align well with AICTE's vision of promoting quality technical education, research, innovation, and industry-academia collaboration across the country.

I congratulate the organizing committee, reviewers, authors, and participants for their dedication and scholarly contributions. I am confident that IEEE-ESCI 2026 will be a great success and will inspire young researchers to pursue excellence, innovation, and ethical research practices in emerging technologies.

I wish the conference every success and extend my best wishes to all the participants for fruitful deliberations and meaningful outcomes.

With warm regards.


(Prof. T.G. Sitharam)

Message from Vice Chancellor



सावित्रीबाई फुले पुणे विद्यापीठ
(पूर्वीचे पुणे विद्यापीठ)
गणेशखिंड, पुणे-४११००७, भारत.
Savitribai Phule Pune University
(formerly University of Pune)
Ganeshkhind, Pune-411007, India.



प्रा. डॉ. सुरेश गोसावी
कुलगुरु

Prof. Dr. Suresh Gosavi
Vice Chancellor



सावित्रीबाई फुले पुणे विद्यापीठ
75
MESSAGE

दूरध्वनी : (कार्यालय) ०२०-२५६२१०१७
Telephone : 020-25621017
E-mail : puvvc@unipune.ac.in

I am delighted to convey my sincere congratulations to the All India Shri Shivaji Memorial Society's Institute of Information Technology (AISSMS IOIT), Pune, on the occasion of organizing the 8th IEEE International Conference on Emerging Smart Computing & Informatics (IEEE-ESCI 2026), scheduled from 11th to 13th March 2026 at AISSMS IOIT, Pune.

This distinguished conference addresses key areas including Smart Computing, Image Processing, Signal Processing, and the Internet of Things (IoT), which are integral to the rapidly advancing technological environment. I am confident that IEEE-ESCI 2026 will offer a valuable forum for researchers, academicians, and industry experts worldwide to engage in meaningful discussions, share research outcomes and explore innovative ideas in these domains.

Savitribai Phule Pune University remains steadfast in promoting research excellence, innovation and collaborative learning. Conferences such as IEEE-ESCI 2026 strongly reflect this vision by enabling students and scholars to gain comprehensive insights into emerging technologies. The event will also serve as a catalyst for strengthening international collaborations and industry linkages.

I appreciate and acknowledge the commendable efforts of the Management of AISSMS IOIT and the organizing committee for their dedication and foresight in planning this international conference. I am confident that the event will motivate participants and contribute to significant academic and technological advancements.

I extend my best wishes for the successful conduct of IEEE-ESCI 2026 and trust that it will make a meaningful contribution to knowledge creation and societal development.

Prof. (Dr.) Suresh Gosavi
Vice-Chancellor

Ref. No. VC/ 15

Date : 13 JAN 2026

Message from President



Dr. Shri. Shahu Chhatrapati Maharaj
(Member of Parliament)
President,
All India Shri Shivaji Memorial Society, Pune

AISSM Society's Institute of Information Technology, Pune, takes a pride in organizing the 8th IEEE International Conference on Emerging Smart Computing & Informatics (IEEE-ESCI 2026), scheduled from 11th to 13th March, 2026. The conference serves as a distinguished platform for academicians, researchers, and industry experts to engage with recent developments in smart computing and informatics. The Institute is re-accredited with an "A+" Grade (Cycle II) by the National Assessment and Accreditation Council (NAAC), Bangalore, has been granted Autonomous status by the University Grants Commission (UGC), New Delhi and has five undergraduate programs accredited by the National Board of Accreditation (NBA), New Delhi. These accolades demonstrate the Institute's sustained commitment to academic quality and excellence.

IEEE-ESCI 2026 aims to promote innovation, knowledge dissemination and the adoption of best practices within the academic and professional community. Such conferences play a vital role in facilitating intellectual exchange, encouraging collaboration and fostering enthusiasm for emerging technologies. The conference seeks to nurture multidisciplinary research across various domains of Engineering and Technology, providing participants with opportunities to explore the growing applications of smart computing and informatics. It also serves as a forum to deliberate on current challenges and future research directions.

Additionally, the event emphasizes strengthening academia–industry interaction, enabling knowledge sharing and collaborative efforts to support innovation and impactful research. The collective expertise of the speakers and participants is expected to enrich discussions and inspire meaningful outcomes.

The organizing team, with immense enthusiasm and dedication, has made every effort to ensure a well-planned and enriching conference experience that meets the highest standards and leaves a lasting impact on all participants.

Message from Chair, IEEE Pune Section, Pune



Dr. Amar Buchade
Chair
IEEE Pune Section, Pune

I am pleased to extend my sincere congratulations to AISSMS's Institute of Information Technology (IOIT), Pune, on the successful organization of the 8th IEEE International Conference on Emerging Smart Computing and Informatics (IEEE ESCI 2026), scheduled to be held from 11th to 13th March 2026.

This international conference provides a distinguished technical forum for researchers from across the globe to present original research, share innovative ideas, and exchange technical expertise. It invites high-quality contributions spanning diverse research areas, with a strong emphasis on recent developments in Smart Computing, Internet of Things (IoT), Image Processing, and Signal Processing.

Over the years, IEEE ESCI has evolved into a renowned global platform that brings together researchers, academicians, industry professionals, and students to deliberate on emerging technologies and advancements that influence the future of computing. The technical sessions, keynote lectures, and scholarly discussions featured in this conference are expected to inspire research excellence, innovation, and impactful real-world applications.

I encourage all participants to actively engage in the technical discussions, interact with fellow researchers, and take full advantage of this valuable opportunity for knowledge exchange and professional networking. I am confident that the deliberations and collaborations fostered during IEEE ESCI 2026 will contribute significantly to future innovations in smart computing and related domains.

I wish all the participants a highly successful and enriching IEEE ESCI 2026.

Message from Honorary Secretary



Shri Malojiraje Chhatrapati
Honorary Secretary,
All India Shri Shivaji Memorial Society, Pune

It gives me immense pleasure to welcome research scholars, academicians, students and technology enthusiasts from academia and industry to the 8th IEEE International Conference on Emerging Smart Computing & Informatics (IEEE-ESCI 2026), organized by the AISSM Society's Institute of Information Technology. All India Shri Shivaji Memorial Society, as a parent organization, is dedicated to imparting quality education enriched with strong values and the successful organization of international conferences is a reflection of this enduring commitment.

I firmly believe that IEEE-ESCI 2026 will provide as an exceptional forum for scientists, researchers, academicians and industry experts from around the world to engage in insightful discussions, showcase innovative research contributions and foster meaningful collaborations in the domains of science and technology. Such international platforms encourage the exchange of ideas and perspectives, thereby strengthening research culture across various disciplines of engineering and industry.

I extend my sincere appreciation and congratulations to the entire team of AISSM Society's Institute of Information Technology, Pune, for their persistent efforts, dedication and meticulous planning in organizing IEEE-ESCI 2026, contributing towards a smarter and more progressive future.

I am confident that this conference will motivate and inspire all participants in their academic and professional journey in smart computing and informatics. I wish the conference every success and hope it proves to be a rewarding and enriching experience for all.

Message from Organizing Chair, IEEE ICESCI-2026, Pune



Dr. Kishor S. Wagh
Organizing Chair
IEEE ICESCI-2026, Pune

It gives me immense pleasure to welcome you to the 8th IEEE International Conference on Emerging Smart Computing & Informatics (IEEE ESCI 2026), which will take place from 11th to 13th March 2026 at AISSMS's Institute of Information Technology, Pune. This prestigious conference is jointly organized with the IEEE Pune Section and the IEEE Signal Processing Chapter, Pune and provides an international forum for researchers, academicians, industry experts and students to connect, collaborate and deliberate on recent innovations and research trends in Smart Computing and Informatics.

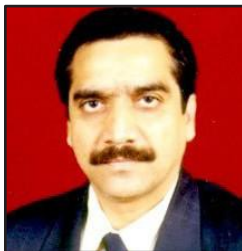
IEEE ESCI 2026 brings together distinguished scholars and professionals through keynote addresses, technical paper sessions, tutorials and specialized tracks, encouraging insightful discussions and collaborative research. The enthusiastic response to the call for papers reflects the increasing relevance and impact of this research domain. All submitted papers were subjected to a stringent peer-review process by a panel of renowned experts, ensuring high academic standards and quality contributions.

I would like to express my heartfelt appreciation to IEEE, AISSMS IOIT, our sponsors, reviewers, members of the Technical Program Committee and all associated organizations for their unwavering support and commitment. I would also like to acknowledge the dedicated efforts of the organizing team, whose hard work and perseverance have been instrumental in the successful planning of this conference.

I encourage all delegates to actively participate, share perspectives and engage in meaningful interactions that may lead to long-lasting collaborations. I am confident that IEEE ESCI 2026 will be an inspiring and intellectually rewarding experience, contributing significantly to innovation and scholarly excellence.

Wishing you all a productive, insightful and memorable conference!

Message from General Chairs



Dr. P. B. Mane
General Chair
IEEE ICESCI-2026, Pune

I am delighted to welcome you to the 8th IEEE International Conference on Emerging Smart Computing & Informatics (IEEE ESCI 2026), scheduled to take place from 11th to 13th March 2026 at AISSMS's Institute of Information Technology, Pune.

Organized in collaboration with the IEEE Pune Section and the IEEE Signal Processing Chapter, Pune, IEEE ESCI 2026 serves as a distinguished platform for researchers, academicians, industry professionals, and students to exchange ideas, share knowledge, and discuss recent advances in the field of smart computing and informatics.

Over the years, IEEE ESCI has grown into a recognized forum for academic excellence and technological innovation. Continuing this tradition, the 2026 edition **has received an overwhelming response with more than 4,000 papers**, bringing together eminent experts and researchers from across the globe to present their work and insights. The conference program includes keynote addresses, technical paper presentations, panel discussions, and networking sessions, aimed at exploring emerging technologies, addressing current challenges, and identifying innovative solutions.

I would like to express my sincere appreciation to the authors, reviewers, keynote speakers, session chairs, and members of the organizing committee for their dedication and valuable contributions. I am also grateful to the sponsors, institutional partners, and volunteers, whose support has been vital to the successful organization of this conference.

I am confident that IEEE ESCI 2026 will provide a stimulating and enriching experience for all participants, fostering meaningful discussions and collaborations that will contribute to the future of smart computing and informatics. I extend my heartfelt thanks to IEEE and the AISSMS Society for their continued support, and I look forward to your active participation in this prestigious conference.

Message from Technical Program Chair, IEEE ICESCI-2026, Pune



Dr. Ashpana Shiralkar
Technical Program Chair
IEEE ICESCI-2026, Pune

On behalf of the Technical Program Committee, I would like to welcome you to the 8th International Conference on Emerging Smart Computing and Informatics (ESCI) 2026. As in the past, the ESCI 2026 conference has received technical sponsorship of the IEEE Pune Section. The conference has been listed in the IEEE database of the conferences, and the proceedings will be published in IEEE Xplore.

This year's response to the call for papers was very good, with 4011 full papers submissions. All submitted papers have been put through a rigorous peer review process. Based on those reviews, 508 papers have been accepted for presentations in hybrid mode and publication in conference proceedings, yielding an acceptance rate of 12.66%. The technical program of ESCI 2026 consists of 3 tracks and 8 special sessions featuring emerging areas of applications. During the conference, 3 keynote sessions, and 6 preconference tutorials on recent topics are conducted by distinguished speakers.

I would like to thank all the authors for submitting their manuscripts, and then incorporating reviewers' comments in the camera-ready papers.

I extend my sincere thanks to all the members of the technical program committee, track chairs, organizing, publication, and registration committee for their efforts towards organizing ESCI 2026. Special thanks to all the reviewers for their valuable review work.

Welcome to Pune and enjoy the friendly atmosphere, peer-to-peer interactions, networking, and research benefits of the conference

Chief Guest



Prof Sharada Srinivasan

Professor,
National Institute of Advanced Studies,
Indian Institute of Science Campus, Bangalore

Prof. Sharada Srinivasan is Professor at the National Institute of Advanced Studies (NIAS), Bengaluru. She was elected International Honorary Member of the American Academy of Arts and Sciences in 2021 in Archaeology. She received the Padmashri, the fourth highest civilian award from Government of India in Archaeology in 2019. Sharada has made pioneering contributions to the study of archaeology and history of art from the perspective of exploring engineering applications. Prof. Sharada Srinivasan's landmark contributions include archaeometric characterisation of bronzes of South India using lead isotope analysis and archaeometallurgical studies on ancient mining and metallurgy in southern India. These span studies on the production mechanisms of high carbon wootz steel and documentation of artisanal technologies such as Aranmula high tin bronze metal mirror making, bronze casting at Swamimalai and ancient and continuing traditions of high-tin bronze working, while she has worked on artefacts in the Government Museum, Chennai, British Museum, Victoria and Albert Museum, London, ASI amongst others. Prof. Sharada Srinivasan is a Fellow of the Royal Asiatic Society of Great Britain and World Academy of Art and Science. Her awards include the INAE Indian National Academy of Engineering Woman Engineer in Academia 2021 Award, Distinguished IITB Alumnus Award, Dr. Kalpana Chawla Young Women Scientist Award for 2011, the Indian Institute of Metals, Certificate of Excellence 2007, Materials Research Society of India Medal 2006, Malti B. Nagar Ethnoarchaeology Award (2005), DST-SERC Young Scientist Fellowship, Flinders Petrie Medal 1989 from University of London, Materials Research Society Graduate Student Award 1996, DST Nurture Scheme and Young Scientist Awards and the British Chevening Scholarship for her Phd work. She was Forbes Research Associate at the Department of Scientific Research and Conservation, Freer Gallery of Art, Smithsonian Institution, USA in 1999 and Homi Bhabha Fellow at Indian Institute of Science, Bangalore from 1996-98. She has been a co-recipient of international awards from UKIERI, UK, (on pioneering iron and steel metallurgy), AHRC, UK, (on interfaces between archaeology and drama), SSHRC Canada, Royal Society, UK, and National Science Foundation, USA. She is first author of the book 'India's Legendary Wootz Steel', contributing author to 'Ecstasy of Classical Art', the bronze catalogue of National Museum, Delhi and co-editor of 'Digital Hampi' and 'Performing on the Periphery'. She is on the Standing Committee of the international Beginning of the Use of Metals and Alloys Conference. She has been an accomplished exponent of the classical dance form of Bharata Natyam and has given lecture-demonstrations such as on the artistic and scientific perspectives on the Chola Nataraja bronzes at Royal Academy of Arts, London (2007) and with an interactive internet streamed cross-continental duet performance, 'Danse e-toile' and photo-exhibition at Space City, Toulouse (2009) for Festival La Novela and International Year of Astronomy, apart from national venues. She earned her PhD from the Institute of Archaeology, University College London (1996) on Archaeometallurgy of South Indian bronzes; MA from School of Oriental & African Studies, London (1989) and BTech in Engineering Physics from IIT Bombay (1987).



Dr.P.Manjusree

Scientist "G" & Group Head
Advanced Analytics and Compute Infrastructure Group
NRSC, ISRO

Dr. P. Manjusree is a Senior Scientist at NRSC, ISRO with over 32 years of distinguished experience in geospatial technologies and their diverse applications.

Her current research focuses on the development of GeoAI and foundation models for satellite, aerial, and drone data applications, as well as the design of AI-driven platforms for automated feature extraction and change detection. She has made significant contributions to ISRO's DMSP Programme in various capacities and served as a Science Team Member of the joint NASA- ISRO mission "NISAR".

Dr. Manjusree was honored with the 'Distinguished Scientist in Remote Sensing' Award in 2018 and has received three 'ISRO Team Excellence' Awards in 2014, 2013, and 2007. She has authored 36 publications in reputed national and international journals and books, accumulating over 750 citations. In addition, she has successfully guided 32 M.Tech and MS students, contributing significantly to academic and research capacity building in the field of AI&ML, remote sensing and geospatial technologies.

Keynote Speaker



Dr. Nguyen Dinh Hung
Department of Information Technology,
Nha Trang University, Vietnam

Bio

Hung Nguyen is a lecturer at the Department of Information Technology, Nha Trang University, Vietnam. He attained Ph.D. in IT from Deakin University Australia, 2020. Before that, he received MSc in ICE (Yeungnam University, the Republic of Korea, 2009), Engineer's Degree in IT (Hanoi University of Technology, Vietnam, 2001). His research topics include applied machine learning, data science, social media analytics, and graph neural networks.

Keynote Abstract

The global aquaculture industry stands at a critical juncture, tasked with meeting escalating demand while urgently mitigating its environmental footprint and adapting to climate change. This keynote explores the transformative role of Artificial Intelligence (AI) as a cornerstone technology for achieving sustainable aquaculture. We move beyond simplistic automation to present a framework where synergistic advances in machine learning, computer vision, and predictive analytics are creating a new paradigm of precision aquatic farming. We delve into real-world AI applications, including computer vision for real-time fish health monitoring and disease detection, predictive analytics via machine learning for feed optimization and water quality forecasting, and AIoT systems for precision farming that cut waste and emissions.

Keynote Speaker



Dr. Aye Mya Hlaing
Professor and Dean,
Faculty of Computer Science
University of Computer Studies (Taungoo) Myanmar.

Brief Bio-data

Aye Mya Hlaing received M.C.Sc.(Credit) degree from the University of Computer Studies (Mandalay) in 2008, and Ph.D.(IT) degree from the University of Computer Studies, Yangon (UCSY), Myanmar, in 2020. She is currently a Professor and serves as the dean of Faculty of Computer Science at the University of Computer Studies (Taungoo), Myanmar. Previously, she was a member of Natural Language Processing Lab. at UCSY (2009-2024), and she actively participated in research on Myanmar Automatic Speech Recognition, Myanmar Text-to-Speech, ASEAN Machine Translation, Myanmar Character Recognition, and Voice Spoof Detection. She has been supervising Master's and doctoral students at the UCS(Taungoo) and the UCSY. She was a visiting researcher at the Universal Communication Research Institute, National Institute of Information and Communications Technology (NICT), Kyoto, Japan, from June 2014 to March 2015. Her research interests include Speech Processing, Natural Language Processing, Machine Learning, and Artificial Intelligence.

Title: Speech Processing Research for the Myanmar Language: Advances in Synthesis, Recognition, and Speaker-Related Technologies

Abstract:

Speech processing for the Myanmar language presents unique challenges due to its tonal nature, complex script, and limited annotated resources. Recent research advances across Text-to-Speech(TTS), Automatic Speech Recognition (ASR), and speaker-related technologies such as spoof detection, speaker diarization, are reviewed, highlighting the evolution of methodologies.

This talk discusses the text analysis components of Myanmar TTS and traces the progression from HMM-based TTS system to modern end-to-end neural TTS models for the Myanmar language. In particular, high-fidelity waveform generation using Generative Adversarial Network (GAN)-based neural vocoders for Myanmar end-to-end speech synthesis demonstrates significant improvements in naturalness and prosody modeling despite data scarcity.

In ASR, the talk reviews the shift from traditional Gaussian Mixture Model (GMM) and Deep Neural Network (DNN) based systems to contemporary end-to-end ASR architectures. Recent work employing Transformer-based models for Myanmar ASR illustrates the best performance, particularly in the daily conversation domain.

The talk further covers the construction of a Myanmar-specific voice spoofing dataset, namely UCSYSpoof, addressing security and robustness concerns. Additionally, advances in speaker diarization are discussed through the Multi-Scale Diarization Decoder (MSDD) approach on a fixed-speaker English language corpus and the variable-speaker M-Diarization dataset.

Overall, this talk provides a consolidated research perspective on the progress, challenges, and future directions of speech processing for the Myanmar language.

Keynote Speaker



Jeremiah Kofi
Salesforce Technical
Architect Sky UK (ComCast)

Bio-

Jeremiah Kofi is a British Multi-Cloud Solutions Architect with over 15 years of enterprise delivery experience across the UK, Europe and Asia. He holds a First Class BSc in Computer Science, is a Senior Member of IEEE, Fellow of NIPES and Professional Member of the BCS. He leads large scale cloud and CRM programmes across regulated industries including energy, telecoms, finance and government. His work spans multi-cloud architecture across AWS, Azure, Google Cloud, enterprise Salesforce platforms and secure systems integration. He has led complex Salesforce, AI and cloud initiatives for Centrica British Gas, National Gas, ING Bank, Sky, KPMG and Salesforce Inc. Jeremiah serves as Global Salesforce and Front Office Solution Architect at Belron International owning architecture across multiple regions and platforms. He advises executive leadership on cloud strategy governance and digital transformation. He also leads a charitable foundation focused on digital skills and computer education for underserved communities.

Title: Trustworthy AI and Smart Computing at Scale: A Multi Cloud Architecture Playbook

Abstract :

Smart computing, IoT and data intensive applications are reshaping how enterprises design customer and operational experiences, yet many organisations struggle to turn pilots in AI and cloud into secure, scalable production platforms. This keynote shares practical lessons from architecting Salesforce Customer 360, Data Cloud and AI driven solutions across energy, telecoms, financial services and automotive sectors using multi cloud foundations on AWS, Azure and GCP.

Drawing on real world programmes at National Gas, Centrica, ING Bank, Sky and Singtel, the session will outline architectural patterns for unifying data, securing integrations and governing AI workloads across smart computing, IoT and image/signal driven use cases. Attendees will see how to use reference architectures, event driven design and zero trust security to move from siloed CRM and analytics systems towards resilient, compliant and observable platforms that can support GenAI, predictive analytics and field service automation at scale.

The talk will also highlight common anti patterns, over customisation, unmanaged technical debt and weak data governance and show how to establish an architecture runway, Centre of Excellence and robust DevOps practices for sustainable innovation. By the end of the session, participants will gain a pragmatic playbook for designing and governing trustworthy AI enabled smart systems that align with IEEE ESCI 2026 themes in Smart Computing, IoT and Image & Signal Processing, while delivering measurable business value in their own contexts.

Conference Committee

Chief Patron	
Shri. Malojiraje Chhatrapati Hon. Secretary, AISSMS Pune, India	
General Chair	
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ESCI2026 Programme Schedule

Pre Conference Tutorial Session	
Date:10 th March 2026, Tuesday	
Mr. Ashay Mohile Senior Technical Program Manager, Infrastructure Security - META(Facebook), Menlo Park, California Topic: Importance of Zero Trust in AI and Cyber Security Link: https://tinyurl.com/ESCI-2026-Preconf-Tut-Elect Meeting ID: 411 663 493 656 37 Passcode: 6u2nq6gr Venue: Room Number :213 Time: 9.00am to 10.00am Coordinator: Ms. S. M. Shaikh	Dr. Chinmay Chakraborty Associate Professor & Head Centre of Innovation & Research (COIR) in Medical Technology KIIT Deemed to be University, India Topic: From Data Streams to Diagnosis: Designing End-to-End Predictive Health Pipelines Venue: Room Number: 305 Time 10.00 am to 12.00 pm Coordinator: Mr. Vikas Desai
Dr. Umakant Rapol Director, IISCR Pune Topic: Gen AI Venue: Room Number: 405 Time:9.30 am to 11.30am Coordinator: Mrs. Aparna Veer	Mr. Mahendra Kane Director IISCR Kolkata Topic: Digitalization (Industry 4.0) - Basics & Trends in the Industry Venue: Room Number: 505 Time: 11.00 am to 1.00pm Coordinator: Dr. C. N. Aher
Mr. Shyam Goyal Samsung Electronics America, Santa Ana, CA, Logistics Specialist V Topic: AI-Driven IT: How Machine Learning and Advanced Analytics Are Redefining Modern Enterprises Link: https://tinyurl.com/ESCI-2026-Pre-Conf-Tut-IT Meeting ID: 438 592 214 118 08 Passcode: hm9BV6jq Venue: Room Number:605 Time:9.00 am to 12.00pm Coordinator: Ms. Roshani Makode	Mr. Yogesh Gothe Technical Specialist, R&D, Forbes Marshall, Pune Topic: Advent of Digital Technology in Process Industry Room Number:704 Time:10.00 am to 12.00pm Coordinator: Ms. S. R. Garthe
Dr. Prasad Purnaye Postdoctoral Research Fellow, Indian Institute of Information Technology, (IIIT), Pune Topic: AI for Cloud Forensics Room Number: 111 Time:10.00 am to 12.00pm Coordinator: Mrs. G. N. Mawale	
DAY-1 :11 th March 2026, Wednesday	
INAUGURAL FUNCTION	
Time:10.30AM TO 11.30AM(IST)	
-: Chief Guest: - Prof. Sharada Srinivasan Padhma Shri Awardee in Archaeology Professor, School of Humanities, National Institute of Advanced Studies, Indian Institute of Science Campus, Bangalore 560 012, Karnataka State, India.	-: Guest of Honor:- Dr. P. Manjusree Scientist "G" Group Head, Advanced Analytics and Compute Infrastructure Group, National Remote Sensing Centre(NRSC-ISRO), Dept. of Space, Govt. Of India, Hyderabad - 500 037 Telangana, India.
Link: https://tinyurl.com/ESCI-2026-Inaugural-Function Meeting ID: 448 945 125 102 50 Passcode: mG6Yy24S	
KeynoteTalk-1 Time: 11.30 AM (IST)	
Dr. Aye Mya Hlaing Professor and Dean, Faculty of Computer Science University of Computer Studies (Taungoo) Myanmar Topic: Speech Processing Research for the Myanmar Language: Advances in Synthesis, Recognition, and Speaker-Related Technologies Venue: Multipurpose Hall Coordinator: Ms. S. M. Shaikh Link: https://tinyurl.com/ESCI-26-Day-1-Keynote-1 Meeting ID: 413 634 543 713 59 Passcode: pB9nZ3Qv	
LUNCH BREAK: 1.00 PM to 2.00PM(IST)	
KeynoteTalk-2 Time: 2.00PM to 3.00PM (IST)	
Dr. Nguyen Dinh Hung Department of Information Technology, Nha Trang University, Vietnam Topic: Artificial Intelligence For Sustainable Aquaculture	

Venue: Multipurpose Hall
 Coordinator: Ms. S. M. Shaikh
 Link: <https://tinyurl.com/ESCI-2026-Day-1-Keynote-2> | Meeting ID: 490 644 587 887 Passcode: BK22JD7j

Technical Oral Presentation Session1: Smart Computing

Session Chair: Dr. Chetan Nimba Aher (9503443501) | Session Coordinator: Ms. Bhavana Zhambare (9604428996)
 Time:3.00PM TO 5.00PM(IST) | Link: <https://tinyurl.com/ESCI-2026-Day-1-Ses-1-SC>

Meeting ID: 418 915 620 678 62 Passcode: 5Gw95eT2

Sr.No.	Paper ID	Title
1.	755	Vehicle Analytics: An Adaptive Approach for Traffic Signal Scheduling
2.	759	FinSight: A Hybrid Real-time Multi-source Framework for Stock Price Prediction
3.	750	An Intelligent Multi-Turn Conversational Agent for Adaptive Quantum Computing Education Using Large Language Models and Quantum Circuit Simulation
4.	158	AgriCare: An Intelligent System for Crop Yield Forecasting and Sustainable Farming in Punjab
5.	27	FinBuddy AI - Personalized Financial Manager
6.	327	User Authentication through Mouse Dynamics Using Gameplay Data
7.	1002	Multi-Modal Waste Recognition and Segregation Platform for Smart Cities
8.	3215	A Cryptographically Enhanced and AI-Assisted OTP Verification System
9.	537	FinFinder: An Intelligent Fish Identification and Freshness Assessment System Leveraging Deep Learning for Accurate Species Recognition and Freshness Evaluation
10.	4022	Numerical Modelling of a 1D Photonic Crystal Defect-Cavity Sensor for NaCl Concentration Monitoring

Technical Oral Presentation Session 2: Image & Signal Processing

Session Chair: Dr. Saurabh Sumant Shingare (9422604267) | Session Coordinator: Mrs. Aparna A Veer (8308257466)
 Time:3.00PM TO 5.00PM(IST) | Link: <https://tinyurl.com/ESCI-2026-Day-1-Ses-2-ISP>

Meeting ID: 495 339 157 058 97 Passcode: 6c4cY2m4

Title	Paper ID	Title
1.	600	AI-Driven Multi-Scan Diagnostic System for Early and Accurate Detection of Multiple Sclerosis Using Deep Learning and Ensemble Models
2.	276	Exploring Machine Learning and Deep learning approaches on the Orange Dataset: An Explainable AI Perspective
3.	127	Smart Thermal Profiling of Photovoltaic Farms via Wireless Sensor Networks
4.	553	Anticipating Cancer Onset: An Edge-Optimized Transformer for Personalized, Early Breast Cancer Risk Assessment
5.	37	Empowering Travelling doctors using AI
6.	126	Solar Plant Output Estimation Using a Gaussian
7.	4231	A Comprehensive Deep Learning Model for Deepfake Detection Using Deep Feature Extraction and Classif

8th IEEE International Conference on Emerging Smart Computing & Informatics (ESCI-2026)

8.	2417	Intelligent Web-Based Skin Disease Diagnosis System Using CNN Features and Medical Precaution Recomm
9.	1184	The Aging Challenge: A Performance Evaluation on Baseline Face Recognition Models Under Cross Age Va

Technical Oral Presentation Session 3:Internet of Things

Session Chair: **Dr. Shagufta Mohammad Sayeed Sheikh (9689993993)** | Session Coordinator: **Mrs. Naziya A. Inamdar (9028424642)**
 Time:3.00PM TO 5.00PM(IST) | Link: <https://tinyurl.com/ESCI-2026-Day-1-Ses-3-IOT>
 Meeting ID: 486 106 276 696 54 Passcode: VB6mk2Py

Sr.No.	Paper ID	Title
1.	1555	Deep Genomic Feature Extraction Using Multimodal Neural Networks And Alzheimer's Disease Susceptibility Prediction Role Of Blood Vessels In Alzheimer's Disease
2.	523	Sensor-Based AI Adaptive PWM Rectifier with Power Factor Optimization
3.	1214	ECLight: Edge-Assisted Certificate-less Lightweight Encryption for Secure IoT Devices
4.	736	Federated Edge Learning with Multimodal Signal Fusion for Smart Agriculture and Environmental Sensing
5.	824	IntelLights - An IOT & ML based Smart Traffic Lights
6.	1373	Development of Trend Plotter for Synchronized Thrust and Current Data Analysis of Unmanned Aerial Vehicles Propulsion System
7.	156	An AI-Driven IOT Wearable Framework For Cancer Diagnosis And Monitoring
8.	1496	HealthSense AI: An Integrated IoT and AI-based Multi-Disease Prediction System

Technical Oral Presentation Session4: Smart Computing

Session Chair: **Dr. Nilima Satish Warade (9960257810)** | Session Coordinator: **Ms. Sakshi Gunde (9657518120)**
 Time:3.00PM TO 5.00PM(IST) | Link: <https://tinyurl.com/ESCI-2026-Day-1-Sess-4-SC>
 Meeting ID: 423 392 580 720 20 Passcode: eZ7Tc7bw

Sr.No.	Paper ID	Title
1.	1085	Crowd Panic : A Novel Dataset and Performance Evaluation
2.	260	SkillLink: Service Oriented Approach for services selection
3.	784	VIRASAT: A Comprehensive AI-Integrated Digital Platform
4.	786	Machine Learning-Driven Adaptive Traffic Control System with Priority-Based Signal Optimization
5.	1044	Smart City Navigation System for Multi-Route Recommendation and Emergency Landmark Awareness
6.	758	Federated Learning in Smart Healthcare with Optimized History-Based Diagnosis
7.	1118	Automated Lost and Found Retrieval System Using Deep Learning and Geospatial Analysis
8.	949	Design and Development of an AI-Based Multilingual Farmer Support Application with Integrated Expert
9.	354	A Blockchain-Based Approach to Ensure Provenance, Integrity, and Auditability of Healthcare Data

Technical Oral Presentation Session 5: Internet of Things

Session Chair: **Dr. Shivaji Sitaram Gadadhe (9096618989)** | Session Coordinator: **Mr. Rajesh Rupchand Waghulde (8275454903)**
 Time:3.00PM TO 5.00PM(IST) | Link: <https://tinyurl.com/ESCI-2026-Day-1-Sess-5-IOT>
 Meeting ID: 466 275 288 968 97 Passcode: Kz9vV2y8

Sr.No.	Paper ID	Title
1.	277	Privacy-Preserving Federated Learning with Homomorphic Encryption
2.	265	AI-Driven Agro-Automation Using NDVI-Based Crop Health Analysis and IoT-Enabled Intelligent Irrigati
3.	1272	Real-Time Kitchen Safety System for Fire and Accident Prevention
4.	940	An Intelligent Multi-Module Workstation for Enhancing Safety and Productivity in EMS Environments
5.	773	A Smart Extender-Based Automatic Printing System to Digitize Traditional Print Services
6.	1613	Design and Analysis of a Compact, High-Efficiency Multiband Radiator with Enhanced Gain for Sub-6 GHz 5G and Broadband Communications
7.	2981	IoT-Based Smart Helmet with Integrated Airbag, Alcohol Detection and Real-Time Accident Response for Motorcycle Safety

Technical Oral Presentation Session 6:Internet of Things

Session Chair: **Dr. Deeplakshmi Zingade(7249249519)** | Session Coordinator : **Ms. Neha Sangram Patil (9561508345)**
 Time:3.00PM TO 5.00PM(IST) | Link: <https://tinyurl.com/ESCI-2026-Day-1-Sess-6-IOT>
 Meeting ID: 487 456 738 529 56 Passcode: Na97xt3k

Sr.No.	Paper ID	Title
1.	1591	Dynamic Energy Management in IoT-Driven MANETs Using an Enhanced Whale Optimization Algorithm
2.	2183	Nature-Inspired Optimization Enabled Convolutional Neural Network for Threat Detection in IOT
3.	1275	Digital Twin-Enabled IoT for Real-Time Predictive Analytics in Smart Cities
4.	1314	GreenFederate: A Federated Learning Framework for Energy-Efficient and Privacy-Preserving Model Trai
5.	3676	Hybrid Genetic Algorithms for Joint Energy Efficient and Stability Optimization in UAV Delivery Path
6.	4239	A Reconfigurable FPGA Architecture for AI-Enabled Multi-Sensor Fusion in Drone-Based Situational Awa
7.	2373	Metaheuristic Optimization and Deep learning approaches for resilient DDOS detection in IOT environm

DAY-2 :12thMarch 2026, Thursday

Technical Oral Presentation Session 7:(Offline) Smart Computing, Internet of Things

Session Chair: **Dr. Veena Suhas Bhende (9970974045)** | Session Coordinator: **Mrs. Supriya Deshmukh (8830650704)**
 Time:10.00 AM TO 12.00 PM (IST) | Room Number :405

Sr.No.	Paper ID	Title
1.	303	Mapping Regional Economic Development in India Using VIIRS Nighttime Lights and Machine Learning
2.	1191	Development of an IoT-Integrated AI System for Microplastic Detection in Water Samples

8th IEEE International Conference on Emerging Smart Computing & Informatics (ESCI-2026)

3.	1507	AI-Driven Protocol-Level Security Measurement in IoT Applications Using S-AES Encryption and Python-
4.	1386	An Explainable AI and Adaptive Deep Learning Framework For Zero Day Attacks Detection In High-Speed
5.	602	Hybrid Class Attendance Monitoring System using Bluetooth, Wifi and RFID Backup
6.	714	Autonomous Seed Dispersal Rover with Sensor-Driven Site Classification Using AutoML

Technical Oral Presentation Session 8: (Offline) Smart Computing

Session Chair: **Dr. Prajwal Sopan Gaikwad (9762023200)** | Session Coordinator: **Ms. Dhanashri D. Changan(7798288965)**
Time:10.00 AM TO 12.00 PM (IST) | Room Number: 407

Sr.No.	Paper ID	Title
1.	3695	A Machine Learning Framework for Liver Cancer Classification Using Clinical Features
2.	1412	Cloud-Native Renewable Energy Marketplace: A Comprehensive Peer-to-Peer Trading Platform Using Googl
3.	1851	Safeshield: AI-Driven Intrusion Detection and Prevention System
4.	907	FINSPIRE: A Practical, Lightweight Pipeline for Real-Time Market News Sentiment Analysis
5.	3933	From Strokes to Identity: A Hybrid Deep Learning Framework for Forensic Sketch Recognition

Technical Oral Presentation Session 9: (Offline) Image and Signal Processing

Session Chair: **Dr. Reshma Yogesh Totare (9860479570)** | Session Coordinator: **Ms. Rajshri N. Malage (8149633514)**

Time:10.00 AM TO 12.00 PM (IST) | Room Number: 605

Sr.No.	Paper ID	Title
1.	2509	EmotionNetX: A Systematic Comparative Benchmark of Modern Architectures for Facial Expression Recog
2.	3610	Enhancing AI-Driven Land Boundary Mapping and City Encroachment Detection using Deep Learning and Geospatial Data
3.	2752	Vision-Based Detection and Material Classification of Metallic Objects Using Deep Learning
4.	2935	A YOLOv11n+CBAM Framework for Small-Damage Road Inspection: Faster and More Accurate Than Prior Deep Learning Approaches
5.	807	Intelligent Prenatal Risk Assessment: A U-Net and HCNN-BiLSTM Approach to Nuchal Translucency Analysis
6.	952	A Comparative Study of Deep Learning models for Garbage Classification
7.	112	Improving Low-Light Underwater Object Detection Using Adaptive GAN-Driven Dual Distortion Augmentation
8.	285	Bridging Face Recognition and Scene Analysis: The MOVIS Unified Architecture for Human Profiling
9.	1489	DeepAgroNet: CNN-Based Deep Learning Framework for Tomato Disease Recognition
10.	1161	A comparative study of YOLO models for the Detection and Identification of Underwater Micro-Organisms

Technical Oral Presentation Session 10: (Offline) Smart Computing

Session Chair: **Dr. Archana Ganesh Said (9767747898)** | Session Coordinator : **Mrs. Tejaswi Ganesh Mangave (9970143693)**
Time:10.00 AM TO 12.00 PM (IST) | Room Number: 505

Sr.No.	Paper ID	Title
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1.	1088	AI-Powered Community Cleanup and Reward Platform
2.	4133	A Single-View Geometric Framework for Food Volume and Mass Estimation Using Axisymmetric Modelling
3.	3892	Predictive Marketing: A Campaign Text Optimization and Analysis Framework using Machine Learning, NL
4.	1503	Insight Chain - AI Agent For Data Driven Supplier Discovery and Analysis

Technical Oral Presentation Session 11:Special Session
Session Chair : Dr. Vaishali Prahladrao Kuralkar (9860502602) | Session Coordinator: Mr. Palkar Pradeep Uttamrao (8888750956)
Time:10.00 AM TO 12.00 PM (IST) | Link: <https://tinyurl.com/ESCI-2026-Day-2-Sess-11-SS>
Meeting ID: 498 402 289 343 15 Passcode: cv6FQ2ux

Sr.No.	Paper ID	Title
1.	ss_08_13	Quantum-Inspired Optimization Algorithms for Large-Scale Machine Learning Tasks
2.	ss_08_14	Quantum Machine Learning Models for High-Dimensional Data Analysis
3.	ss_08_15	Digital Twin-Based Real-Time Fault Prediction for Smart Manufacturing
4.	ss_08_17	Blockchain-Based Smart Contracts for Cross-Border Payments
5.	ss_08_18	Sentiment Analysis of Social Media for Stock Price Prediction
6.	ss_08_19	Secure Mobile Payment Systems Using Multi-Factor Authentication
7.	ss_08_20	Deep Reinforcement Learning for High-Frequency Trading
8.	ss_08_21	Privacy-Preserving Protocols for E-Commerce Payments
9.	ss_08_22	Quantum-Resistant Cryptographic Protocols for Digital Currencies
10.	ss_08_23	Cloud-Based Payment Gateways for SMEs in Developing Economies

Technical Oral Presentation Session 12:Special Session
Session Chair : Dr. Shashikant Rangnathrao Kale (9975703571) | Session Coordinator: Dr. L. N. Khandare (7620407833)
Time:10.00 AM TO 12.00 PM (IST) | Link: <https://tinyurl.com/ESCI-2026-Day-2-Sess-12-SS>
Meeting ID: 494 784 947 505 68 Passcode: fUJ2s2BV

Sr.No.	Paper ID	Title
1.	SS_04_14	Quantum Machine Learning Models for High-Dimensional Data Analysis
2.	ss_05_03	ByteBERT: Self-Supervised Representation Learning for Malware Classification using Bytecode and Opco
3.	SS_05_09	A Frequency-Aware CNN-Vision Transformer with Adaptive Multi-Scale Frequency Fusion Framework for R
4.	SS_06_15	A Hierarchical Factorized Bilinear Fusion based Dual-branch Deep Learning Model for Histopathology I
5.	ss_09_02	Graph Neural Networks for Modelling Financial Market Dependencies
6.	ss_09_03	AI-Driven Fraud Detection in Digital Wallet Transactions
7.	ss_09_06	Cryptocurrency Volatility Prediction Using Deep Learning
8.	ss_09_08	Enhanced Diagnostic Validation of the Efficient XGBoost Model for Accurate COVID-19 Pneumonia
9.	ss_09_10	Real-Time Anomaly Detection in Online Transactions

Technical Oral Presentation Session 13: Special Session

Session Chair: Dr. Girish Jaysing Navale(7758990466) | Session Coordinator: Mr. Suhas B. Deokate (9960171865)

Time:10.00 AM TO 12.00 PM (IST) | Link: <https://tinyurl.com/ESCI-2026-Day-2-Sess-13-SS>

Meeting ID: 436 741 062 372 13 Passcode: cR9gc3Bv

Sr.No.	Paper ID	Title
1.	ss_08_01	AI-Powered Predictive Maintenance for Industrial MachineryUsing Deep Learning Models
2.	ss_08_02	Personalized Learning Systems Using Machine Learning forAdaptive Education
3.	ss_08_03	AI-Driven Customer Support: Conversational Chatbots for E-Commerce Applications
4.	ss_08_04	Deep Reinforcement Learning for Autonomous RoboticManipulation Tasks
5.	ss_08_05	Compact Edge-AI Architecture for Real-Time Decision Making inSmart Devices
6.	ss_08_07	Hybrid CNN"Transformer Architecture for High-Precision Image Classification
7.	ss_08_10	Metaverse-Driven Digital Learning Environments for ImmersiveEducation
8.	ss_08_11	Vision-Based Autonomous Drone Navigation Using DeepReinforcement Learning
9.	ss_08_12	SLAM-Based Indoor Service Robot for Intelligent Human Assistance

Technical Oral Presentation Session 14: Smart Computing

Session Chair: Dr. Prashant Balasaheb Wakhare (9673470986) | Session Coordinator: Mrs. Meera Sambhaji Sawalkar (9552000770)

Time:10.00 AM TO 12.00 PM (IST) | Link: <https://tinyurl.com/ESCI-2026-Day-2-Sess-14-SC>

Meeting ID: 455 787 566 943 61 Passcode: yc9CB6a6

Sr.No.	Paper ID	Title
1.	3764	Complex-Valued Deep Neural Architectures for High-Frequency Financial Signal Processing in the Spectral Domain
2.	3847	CMEF-Net: A Hierarchical Cross-Modality Fusion Framework for Deep Multimodal Emotion Recognition
3.	4054	UPI CryptoConnect: Unifying Fiat and Crypto for Seamless Digital Payments
4.	1167	AI For Unspoken Feedback: A Browser-Extension Architecture for Real-Time Learner- Engagement Analytics in Massive Online Classrooms
5.	3939	A Multilingual Transformer-Based Approach forSarcasm Detection and Sentiment Analysis in Hindi–Marathi Social Media
6.	4119	Multimodal Data Fusion and Ensemble Learning for Objective Attention-Deficit/Hyperactivity Disorder (ADHD) Assessment
7.	3791	Explainable AI with Improved RNN Optimized Fruit Fly Algorithm Based Risk Prediction Model on Adjacent Building Induced by Deep Excavation
8.	3918	A Hybrid BERT–BiLSTM–DANN Framework for Multi-Source Domain Adaptation in Sentiment Analysis
9.	676	WatchGuard:A Real-Time Deep Learning Surveillance Framework Using YOLOv5 and Telegram Integration
10.	1181	Evolving NPCs: Leveraging AI to Create Reactive In-Game Characters

Technical Oral Presentation Session 15:Internet of Things

Session Chair: Dr. Badri Naryan Mohapatra (9437812746) | Session Coordinator: Mrs. Rakhi S. Meshram (8007658558)

Time:10.00 AM TO 12.00 PM (IST) | Link: <https://tinyurl.com/ESCI-2026-Day-2-Sess-15-IOT>

Meeting ID: 411 963 470 869 17 Passcode: sm9yq3Zb

Sr.No.	Paper ID	Title
1.	33	EcoMate - Your Partner In Smart Waste Management
2.	64	Federated Multi-Dataset Learning Framework for Smart Agricultural IoT Networks: A Simulation-Based Study
3.	187	An Edge-AI and IoT Enabled Approach for Regular Student Mental Health Assessment at Campus Entrances for Violence Prevention
4.	207	Sustainable Poultry Farming at the Edge: AI-Driven IoT Solutions for Health and Productivity Optimization
5.	1276	Framework for a Hybrid McEliece–HQC Cryptosystem for Compact Public Keys and Efficient Decapsulation
6.	215	Empirical analysis of classical and quantum models for intrusion detection on pcap data
7.	530	Waysole – Smart Shoe For Safer Mobility Of The Visually Impaired

Technical Oral Presentation Session 16:Smart Computing Session Chair: Dr. Amrapali Shivaji Chavan (9822795994) Session Coordinator: Mrs. Kalpana Dipak Sonval(9834327877) Time:10.00 AM TO 12.00 PM (IST) Link: https://tinyurl.com/ESCI-2026-Day-2-Sess-16-SC Meeting ID: 462 729 543 715 67 Passcode: nw9KJ955		
Sr.No.	Paper ID	Title
1.	3307	Intelligent Automation System for Multi-Format Document Processing
2.	924	An Efficient Replica Management: A Workflow Scheduling approach in Cloud Environment.
3.	1050	HashEasy: A User-Centric GUI for Cryptographic Hashing and Performance Benchmarking
4.	3815	EVENTO: A Comprehensive Full-Stack Event Management System for Educational Institution
5.	477	Integrating Facial Feature Extraction and Machine Learning for Human Sentiment Detection
6.	1867	Blockchain-Enabled Secure and Privacy-Preserving E-Health System EHR Sharing Framework.
7.	1895	A Multi-Layered Hybrid Framework for Robust Source Code Plagiarism Detection
8.	1785	AI-Driven Complaint Management System : An Automated Framework for Prioritizing, Tracking, and Resolving Public Service Complaints Efficiently
9.	2037	Comparative Evaluation of Deep Learning Architectures for Fake News Detection
10.	1704	AlexNet–LSTM -SVM Hybrid Architecture for Lung Disease Classification
Technical Oral Presentation Session 17:Image & Signal Processing Session Chair: Dr. Pritesh Kumar Patil (9209217431) Session Coordinator: Mr. Hemant P. Chaudhari(9421554684) Time:10.00 AM TO 12.00 PM (IST) Link: https://tinyurl.com/ESCI-2026-Day-2-Sess-17-ISP Meeting ID: 460 664 592 758 30 Passcode: jM3fm7cd		
Sr.No.	Paper ID	Title
1.	660	Hybrid Deep Machine Learning Framework for Soybean Seed Classification and Quality Assessment
2.	1960	MPhD-FER: A Multi-Path Hybrid Deep Learning Architecture Integrating CNNs and Transformers for Highly Reliable Facial Emotion Recognition
3.	1244	A Hybrid Deep Learning Architecture for Automatic Identification of Diabetic Foot Ulcers (DFUs) from Clinical Thermal Images
4.	3203	Low-Power Embedded IoT System for Smart Health and Vital Signs Tracking
5.	2038	Capsule-Driven Spatial Reasoning and Trigonometric Feature Encoding for Interpretable Mammographic C
6.	2056	From Sketch to Suspect: High-Fidelity Forensic Face Synthesis with Biometric Identity Preservation
7.	3971	Multistage Transfer Learning with Deep CNN Backbones for Five-Class Diabetic Retinopathy Grading
8.	4066	Cancelable and Revocable Cryptographic Key Generation from WASOA-Fused Multi-Modal Biometric Feature
9.	1838	CrowdGuard - Smart Crowd Density Detection & Alerts System
Technical Oral Presentation Session 18:Image and Signal Processing Session Chair: Dr. Minal Prashant Nerkar (9850173169) Session Coordinator: Ms. Vishakha Mohan Dilpak (8805382909) Time:10.00 AM TO 12.00 PM (IST) Link: https://tinyurl.com/ESCI-2026-Day-2-Sess-18-ISP Meeting ID: 417 125 846 890 16 Passcode: hE2x3ko2		

Sr.No.	Paper ID	Title
1.	2032	CNN-Mamba Hybrid Model for OCT-Based Diabetic Retinopathy Classification: A Quantitative XAI Compari
2.	1326	AI Assisted Biomedical Image Annotation Tool with Manual Correction Support
3.	2425	ENHANCING AIR POLLUTION DETECTION AND PREDICTION USING MACHINE LEARNING TECHNIQUES
4.	2798	Real-Time Indian Sign Language Recognition and Sentence Generation via CNN&LSTM and Agentic Semantic
5.	1493	Detectify A Multimodal Deepfake Detection Framework Using Text and Image Analysis
6.	1180	Robust Deep Learning Architecture for Cross-Cultural Facial Emotion Recognition in Unconstrained Env
7.	2053	Reconfigurable Quantum â€” Inspired Approximate Multiplier
8.	3280	Explainable AI for Tamil Nadu Political News: Balancing Accuracy and Interpretability in Real-Time Regional Political Sentiment Analysis
9.	2074	Beatless: A Deep Learning Approach For Percussive Removal In Music

KeynoteTalk-3 | Time: 12.00PM to 1.00PM (IST)

Mr. Jeremiah Kofi

Salesforce Technical Architect Sky UK (ComCast)

Topic: Trustworthy AI and Smart Computing at Scale: A Multi-Cloud Architecture Playbook

Venue: Multipurpose Hall I Coordinator: Ms. S. M. Shaikh

Link: <https://tinyurl.com/ESCI-2026-Keynote-3> Meeting ID: 432 807 408 582 12 Passcode: Lf7DP9S2

LUNCH BREAK: 1.00 PM to 2.00PM(IST)

Technical Oral Presentation Session 19:Smart Computing

Session Chair: **Dr. Deepali Mahendra Yewale** (9960730911) | Session Coordinator: **Ms. Jayashree Chandrakant Pasalkar** (8408856344)

Time:2.00 PM TO 4.00PM (IST) | Link: <https://tinyurl.com/ESCI-2026-Day-2-Sess-19-SC>

Meeting ID: 460 289 046 888 56 Passcode: bz2zE7wr

Sr.No.	Paper ID	6238441276Title
1.	3737	Deep Generative Refinement and Spatial Attention Frameworks for Enhancing Early-Stage Diabetic Eye D
2.	1566	Evaluating the Hybrid Artificial Intelligence- Quantum Architecture (HAIQF): Performance Benchmarking Against Efficiency and Ethical- Technological Challenges
3.	3075	Hybrid Federated Reinforcement Learning Approach for Clinically-Aligned Personalized Diabetes Contro
4.	1483	Teaching and Learning through AI in Machine Learning Courses: A Constructivist Approach Using Techno
5.	383	Smart Compare AI Multi-Platform Intelligent Product Recommender with Visual Insights
6.	1239	Network Traffic Determination by Clustering with PCA
7.	3643	ThreadWeaver: Plan-and-Restate Dialog over Ultra-Long Histories
8.	4005	MediSync: AI-Based Medical Report Analytics and Virtual Care System
9.	515	Feature selection from Gene expression Microarray Alzheimerâ€™s disease (AD) Datasets using Binary Ele

Technical Oral Presentation Session 20:Image & Signal Processing

Session Chair : **Dr. Varsha Kiran Patil** (9325643275) | Session Coordinator : **Ms. Anuja Sandeep Phapale**(9730299992)

Time:2.00 PM TO 4.00PM (IST) | Link: <https://tinyurl.com/ESCI-2026-Day-2-Sess-20-ISP>

Meeting ID: 480 951 027 937 74 Passcode: Vr3DT3CA

Sr.No.	Paper ID	Title
1.	2517	Watchtower AI: Real-Time Detection of Abnormal Events in Surveillance Videos
2.	3880	An Optimized CNN-U-Net Framework for Kidney Segmentation in T2-Weighted MRI Scans
3.	1298	Astro Acoustic Entrainment and Multilayer Physiological Modeling for Mantra Planet Correlation Studies & Analysis using Signal Processing Framework
4.	2381	Spatial Modulation-based 3D Index OTFS System using IMMA for 6G Communication Systems
5.	1168	CV-Based Water Bodies and Discharge Monitoring Using Satellite Imagery and Computer Vision
6.	3055	Bark Texture Recognition for Indian Trees Using a Hybrid ConvNeXt-Transformer
7.	769	VISION TO VOICE: A Real-time Gesture Transduction System
8.	1538	Steel Surface Defect Classification Using Deep Transfer Learning with VGG16 and ResNet50

Technical Oral Presentation Session 21: Image and Signal Processing

Session Chair: Dr. Shradha Bhanudasrao Toney (9730408533) | Session Coordinator: Mrs. Farhana Sarvar Fatima Kazi Sayed (9158985458)

Time: 2:00 PM TO 4:00 PM (IST) | Link: <https://tinyurl.com/ESCI-2026-Day-2-Sess-21-ISP>

Meeting ID: 459 209 426 299 5 Passcode: VG6bS9AJ

Sr.No.	Paper ID	Title
1.	1965	A Comparative Review of Indian Sign Language Recognition, Highlighting SVM for Static and GRU for Dynamic Gestures
2.	4215	A Real-Time Vision-Based YOLOv8 Framework for Pothole Detection and Segmentation in Intelligent Road
3.	1308	WILDLIFE TRAP SURVEILLANCE USING IOT AND RASPBERRY PI
4.	2850	A Two-Stream Feature Learning Approach for Robust In-the-Wild Emotion Classification
5.	527	UniTR-PREVENT: Dynamic Modality Reweighting for Interpretable Prediction of Future Breast Cancer Risk
6.	278	Fusion based multi-branch deep learning framework for real time audio deepfake detection in financial fraud prevention
7.	20	AI Based Lost And Found System

Technical Oral Presentation Session 22: Smart Computing

Session Chair: Dr. Nidhi Sharma (9168351100) | Session Coordinator: Ms. Reshma Rajanand Owhal (8149869323)

Time: 2:00 PM TO 4:00 PM (IST) | Link: <https://tinyurl.com/ESCI-2026-Day-2-Sess-22-SC>

Meeting ID: 413 338 217 542 04 Passcode: D7PE9gp9

Sr.No.	Paper ID	Title
1.	512	Exploring Quantum Computing for Scalable Portfolio Optimization in Finance
2.	1040	PlaceMate- Integrated Placement Preparation Platform with AI Powered Assistance and Dynamic Test Management.
3.	3730	Smart Detection of Dark Patterns in Web Interfaces Using AI-Based Multi-Agent Systems
4.	528	Deep Learning Meets Barber Optimization: Toward Smarter Wheat Disease Detection
5.	190	Quantum Key Distribution (QKD) Framework for Secure Military and Strategic Communication Networks
6.	567	A Novel Framework for AI-Assisted Home Exercise Programs: A Hybrid Approach to Personalized and Adap
7.	3078	Toward Quantum-Enabled Medical Imaging: Optimized CNNs for Diagnosis

8.	1119	X-Ray Vision: Hybrid YOLO-NAS for Intelligent Fracture Detection
9.	4167	Optimizing LLM Prompt Engineering with DSPy-Based Declarative Learning
10.	1147	Climate Analyzer: Deep Learning for Vegetation Stress Detection and Short-Term Risk Forecasting

Technical Oral Presentation Session 23: Image & Signal Processing

Session Chair: **Dr. Nitin Prakashrao Bhone (9021185621)** | Session Coordinator: **Mr. Prashant Shivling Sadaphule (7588684770)**
 Time: 2.00 PM TO 4.00PM (IST) | Link: <https://tinyurl.com/ESCI-2026-Day-2-Sess-23-ISP>
 Meeting ID: 481 933 262 079 44 Passcode: Xf6D4ad6

Sr.No.	Paper ID	Title
1.	737	Hybrid-DAF-AOTL: Three-Pathway Fusion Architecture for Underwater Enhancement
2.	1350	Accuracy Degradation in Complex Environmental Conditions Problem
3.	1869	Pest Sound Classifier for Crop Health Using Audio Signals
4.	2000	HCRA: Hierarchical Consonance Residual Attention Algorithm for Robust Image Tampering Localization
5.	1911	Triple-Band Metamaterial Perfect Absorber (MPA) Using Hexagonal SRRs for Smart Environmental Monitor
6.	4201	A YOLO and MIDAS-based Diet Monitoring Framework for Food Segmentation and Depth-Based Calorie Estim
7.	2815	NeuroCLIP: Vision-Language Contrastive Learning for Alzheimer's Disease Diagnosis from PET and Text
8.	4102	PrivFaceNet: Federated Deep Learning for Privacy Preserving Face Recognition
9.	3212	PCB Design and Development for Embedded Applications: A Practical Perspective

Technical Oral Presentation Session 24: Internet of Things

Session Chair: **Dr. Pramod Ganeshrao Musrif (9552546729)** | Session Coordinator: **Ms. Rupali Shrirang Pawar (9028706700)**
 Time: 2.00 PM TO 4.00PM (IST) | Link: <https://tinyurl.com/ESCI-2026-Day-2-Sess-24-IOT>
 Meeting ID: 489 026 979 291 56 Passcode: Pg344ob3

Sr.No.	Paper ID	Title
1.	1795	FedChain: AI-Driven Blockchain Security with Quantum-Inspired Encryption for Federated IoT Networks
2.	1900	Scalable Off-Chain Data Retrieval Framework for Blockchain based on Hybrid On-Chain Metadata with Au
3.	2026	Multimodal CNN Fusion for Radar-Based Human Detection Using 1D Time-Series and 2D Image Representation
4.	3506	Low-Cost IoT-Enabled Water Leak Detection and Prevention System Using Anomaly Detection in Sensor Networks
5.	549	Integrating Food Recognition and Allergen Awareness through Smart Mirror Technology

Technical Oral Presentation Session 25: Smart Computing

Session Chair: **Dr. Mamta Sanjay Koban (9921353812)** | Session Coordinator: **Ms. Pratisha Sawant (9665978802)**
 Time: 2.00 PM TO 4.00PM (IST) | Link: <https://tinyurl.com/ESCI-2026-Day-2-Sess-25-SC>
 Meeting ID: 493 234 761 537 6 Passcode: FM74xf6b

Sr.No.	Paper ID	Title
1.	179	Ensemble Learning for Robust Detection and Classification of Phishing URLs
2.	1133	A Hybrid Architecture For Data Integrity In Centralized Forums Using On-Chain Hashing
3.	305	Designing a Electrochemical based Biosensor for Non-Invasive Glucose Monitoring using COMSOL

8th IEEE International Conference on Emerging Smart Computing & Informatics (ESCI-2026)

4.	729	Generative AI Framework for Smart Decision Support Systems in Industry 4.0
5.	1245	Mitigating Catastrophic Forgetting Using Elastic Weight Consolidation and Hybrid Replay Frameworks
6.	1461	TRACE: A Practical Framework for Implementing Compliance-Ready Multi-Agent AI Automation in Financia
7.	1430	Logical Neural Networks for Explainable Brain Stroke Risk Stratification
8.	1470	Reinforcement Learning for 4x4 Tic-Tac-Toe: Q-Learning with Tactical Enhancements and Epsilon Decay
9.	3626	Centinel AI:A document aware HR Policy Question and Answer automated ticket escalation
10.	2008	FinNEST AI: A Secure ,AI Augumented Framework for collabo

Technical Oral Presentation Session 26:Smart Computing

Session Chair: **Dr. Vineeta Philip (9881152957)** | Session Coordinator: **Ms. Shilpa Pimpalkar (9890298138)**
 Time:2.00 PM TO 4.00PM (IST) | Link: <https://tinyurl.com/ESCI-2026-Day-2-Sess-26-SC>
 Meeting ID: 496 358 356 646 1 Passcode: oM3Mx3FK

Sr.No.	Paper ID	Title
1.	1865	Explainable AI for Signature Forgery Verification with Automated Multilingual Report Generation
2.	1719	AI-Powered CA Assistant Using Google Vision OCR for Automated Receipt Processing and Financial Insights
3.	2155	Non-invasive, Ayurveda-based Nadi Pariksha for Chronic Diorder Detection using an Adaptive Boundary Optimization Classifier
4.	2874	The Role of Prompt Engineering in Reducing Hallucination in Generative AI Models
5.	1854	TrafficIntell- AI-Driven Urban Traffic Intelligence using DeepSORT and Machine Learning
6.	3325	An Intelligent Artificial Intelligence Framework to Detect and Mitigate Cyber Attacks in the Contemporary Networks
7.	2215	Enhanced Feature Extraction for Colorectal Cancer Classification Using DenseNet169 Deep Neural Netwo
8.	779	An Empirical Evaluation of Faithfulness Metrics in Explainable AI for Vision Transformers
9.	1530	Comparative Analysis of DDoS Detection Performance Using Real and GAN Generated Synthetic Network Traffic Data

Technical Oral Presentation Session 27:Smart Computing

Session Chair: **Dr. Mrunal Kishor Pathak (9421705871)** | Session Coordinator: **Ms. Gunjan Vinod Ukalkar (8149693887)**
 Time:2.00 PM TO 4.00PM (IST) | Link: <https://tinyurl.com/ESCI-2026-Day-2-Sess-27-SC>
 Meeting ID: 440 604 720 083 49 Passcode: z7Ku9bD9

Sr.No.	Paper ID	Title
1.	2973	Comparative Framework for Parkinson's Disease Prediction Using ResNet-50 Feature Extraction with Siamese Network and SVM Classifiers on Handwritten Spiral Images
2.	3270	Learning-Based ?â€? Guided PNCD: An Adaptive Framework for Hallucination Mitigation in Medical LLMs
3.	2204	Night Guardian: Empowering Women's Safety with Hand Sign-based Communication and AI
4.	3358	Cloud-Based Network Packet Sniffer with Integrated Machine learning and Firewall security
5.	3258	Evaluating Instructor Effectiveness in Creative-Technology Education: A Machine Learning Approach
6.	1233	Neuro-Symbolic Optimization for Renewable Planning
7.	3639	AI Prompt Injection Attack Tester

8.	1571	Ontology-Driven Automatic Question Answering System for Academic Procedures Using Vietnamese NLP Models
9.	3667	Ontology-Enhanced Waste Sorting Assistance and Online Recyclables Exchange Using On-Device Computer Vision

DAY-3 :13th March 2026, Friday

Technical Oral Presentation Session 28:Smart Computing

Session Chair: **Dr. Dilip Shravan Shelar (9823937046)** | Session Coordinator: **Mr. Rahul Namdeo Jadhav (9960622886)**

Time:10.30 AM TO 12.30 PM (IST) | Link: <https://tinyurl.com/ESCI-2026-Day-3-Sess-28-SC>

Meeting ID: 439 927 025 259 9 Passcode: e3ZP79Yk

Sr.No.	Paper ID	Title
1.	3853	Cross-Fruit Disease Image Generation using CycleGAN: From Pomegranate to Apple
2.	3720	A Federated Learning Framework for Secure IoT Localization in Energy Harvesting Cell Free Massive MIMO Networks
3.	582	Decoding Astroturfing: Measuring Its Impact and Intensity on Public Trust and Opinion in Online Discourse
4.	1882	A Secure and Scalable Framework for Student Recruitment Using Blockchain and AI
5.	1142	Blockchain-Enabled Infrastructure for Dynamic Load Balancing
6.	1300	Systematic Analysis of Fairness-Aware Deep Reinforcement Learning for Equitable and Efficient Resource Allocation
7.	362	Hybrid Deep Learning for Advancing Secondary Protein Structure Prediction
8.	4164	A Lightweight Transfer Learning Framework for Multi-Crop Plant Leaf Disease Classification Using EfficientNetV2
9.	1502	Crop Recommendation using Optimized Machine Learning Models
10.	1904	Quantum-Assisted Multi-Objective Optimization for Sustainable Energy Scheduling: Balancing Cost, Emissions, and Load Demand

Technical Oral Presentation Session 29:Image and Signal Processing

Session Chair: **Dr. Pritam Santosh Saha (9475472856)** | Session Coordinator: **Ms. Anuradha Shivajirao Varal (9561609068)**

Time:10.30 AM TO 12.30 PM (IST) | Link: <https://tinyurl.com/ESCI-2026-Day-3-Sess-29-ISP>

Meeting ID: 496 120 828 991 20 Passcode: yd7Gv6rL

Sr.No.	Paper ID	Title
1.	521	Multimodal Learning for ARDS: Explainable Fusion of CT and Clinical Vitals
2.	236	Hybrid AI-Enabled Video Analytics for Context-Aware Safety Monitoring: An Edge-to-Cloud System for Industrial Behavioral Compliance
3.	596	AI Based Emotion Recognition and Real-Time Feedback in E-Learning Platforms
4.	2002	Luminex Dual-Domain Contextual AlignNet for Contextual Low-Light Enhancement
5.	2021	Artificial Intelligence-Based Groundnut Crop Health Analysis And Growth Projection With Image Processing Methods
6.	1924	Multi-Label Thoracic Disease Detection and Classification on Chest X-Ray Images Using Hybrid Deep Learning Architecture
7.	1540	CNN-Based Real-Time Traffic Density Estimation for Smart City Applications
8.	1789	Machine Learning-Based Cirrhosis Stage Prediction for Universal Health Coverage

9.	2000	HCRA: Hierarchical Consonance Residual Attention Algorithm for Robust Image Tampering Localization
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Technical Oral Presentation Session 30:Internet of Things
Session Chair: Dr. Amita Anirudhe Shinde (9552003437) | Session Coordinator: Ms. Rajashree Rangrao Kumbhar (9172256793)
Time:10.30 AM TO 12.30 PM (IST) | Link: <https://tinyurl.com/ESCI-2026-Day-3-Sess-30-IOT>
Meeting ID: 445 725 033 488 08 Passcode: YL2De3j6

Sr.No.	Paper ID	Title
1.	174	ESP8266 Wifi Module – Enabled Embedded System for Detection of Natural Disaster
2.	697	Trust-Aware Generative AI Agents for Secure and Autonomous Industrial IoT Workflows
3.	1500	KNN-Based Anomaly Detection with Local Trust Initialization for Mitigating Blackhole Attacks
4.	1605	Federated and Neuromorphic Intelligence for Privacy-Preserving 6G-IoT in Industry 5.0
5.	80	Energy-Efficient Cluster Head Selection and Scheduling in Wireless Sensor Networks: A Comprehensive Review and Future Directions

Technical Oral Presentation Session 31:Smart Computing
Session Chair : Dr. Pradnya Dattatraya Bormane (9763722263) | Session Coordinator: Mrs. Aarti Anadrao Jagdale (7887515125)
Time:10.30 AM TO 12.30 PM (IST) | Link: <https://tinyurl.com/ESCI-2026-Day-3-Sess-31-SC>
Meeting ID: 418 306 802 322 57 Passcode: Kq2GJ6hR

Sr.No.	Paper ID	Title
1.	4069	A Multi-Layer Encryption Pipeline Enabling Encrypted Search, Order-Preserving Operations, and Secure Cloud Storage
2.	3903	Dynamic Workflow Orchestration in Multiagent Systems
3.	3439	A Multi-Layered Legal Ontology and Public Sentiment Integration Model for Harmonizing Animal Welfare and Civic Order
4.	3445	A Blockchain-Enabled Legal Compliance Framework for Trademark Licensing and Franchising in the Dairy Sector
5.	554	AI Shredder : OCR and BERT-Driven Intelligent Document Redaction with Security Classification
6.	3760	Human Capital Meets Artificial Intelligence: Integrating AI/ML-Powered Digital Payment Solutions into HR Ecosystems
7.	3669	TS-HGN: Real-Time Ethereum Phishing Detection via Temporal-Semantic Heterogeneous Graph
8.	3812	Gym Workouts Recognition using Lightweight Multi-Sensor CNN-Attention Model
9	3671	SynapseCast: AI-Orchestrated Knowledge Encoding for Human Brains
10	2018	Abende: A DNA-Inspired Twin-Ledger System for Secure Transactions

LUNCH BREAK: 12.30 PM to 2.00PM(IST)

Time: 2.00 PM

-: Valedictory Program:-

Venue : Multipurpose Hall

Link: <https://tinyurl.com/ESCI-2026-Valedictory>

Meeting ID: 447 093 282 634 12 Passcode: cb7i42va



Session-1		
Track - Smart Computing	Session Chair: Dr. Meghana Solanki, Pimpri Chinchwad Deemed to be University, RAIT, Nerul	
Day: Wednesday	Date: 11/03/2026	Time: 3.00 pm to 5.00 pm
Session Coordinators- 1. Dr. Chetan Nimba Aher 2. Mrs. Bhavana S. Zambare	Link- https://tinyurl.com/ESCI-2026-Day-1-Ses-1-SC	

Abstract of Session/keynote/Special session/tutorial –

Technical Oral Presentation Session 1: Smart Computing was successfully conducted on the 1st day of 8th IEEE International Conference on Emerging Smart Computing and Informatics (ESCI 2025): 11th March 2026.

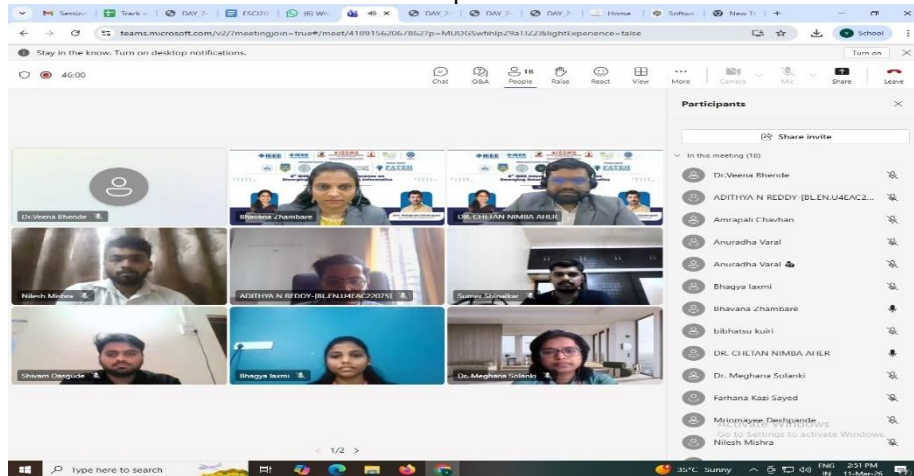
Total 10 Papers were presented in this session.

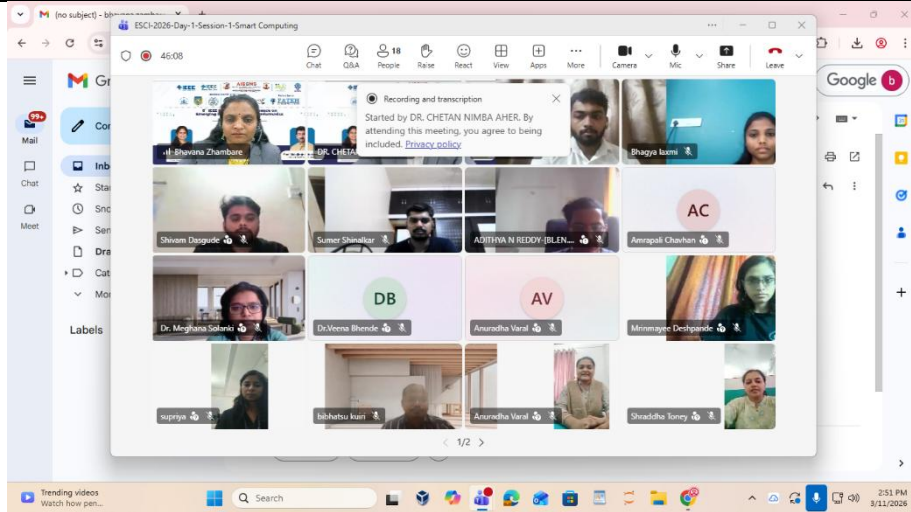
- 1.755 :Vehicle Analytics: An Adaptive Approach for Traffic Signal Scheduling
2. 759 :FinSight: A Hybrid Real-time Multi-source Framework for Stock Price Prediction
3. 750: An Intelligent Multi-Turn Conversational Agent for Adaptive Quantum Computing Education Using Large Language Models and Quantum Circuit Simulation.
4. 158 :AgriCare: An Intelligent System for Crop Yield Forecasting and Sustainable Farming in Punjab
5. 27: FinBuddy AI - Personalized Financial Manager
6. 327: User Authentication through Mouse Dynamics Using Gameplay Data
7. 1002: Multi-Modal Waste Recognition and Segregation Platform for Smart Cities
8. 3215 :A Cryptographically Enhanced and AI-Assisted OTP Verification System
- 9.537:FinFinder: An Intelligent Fish Identification and Freshness Assessment System Leveraging Deep Learning for Accurate Species Recognition and Freshness Evaluation
10. 4022: Numerical Modelling of a 1D Photonic Crystal Defect-Cavity Sensor for NaCl Concentration Monitoringent.

At the end of session, Session Chair conveyed the Best Paper Title.

Total no. of Participants- 36

Group Photo

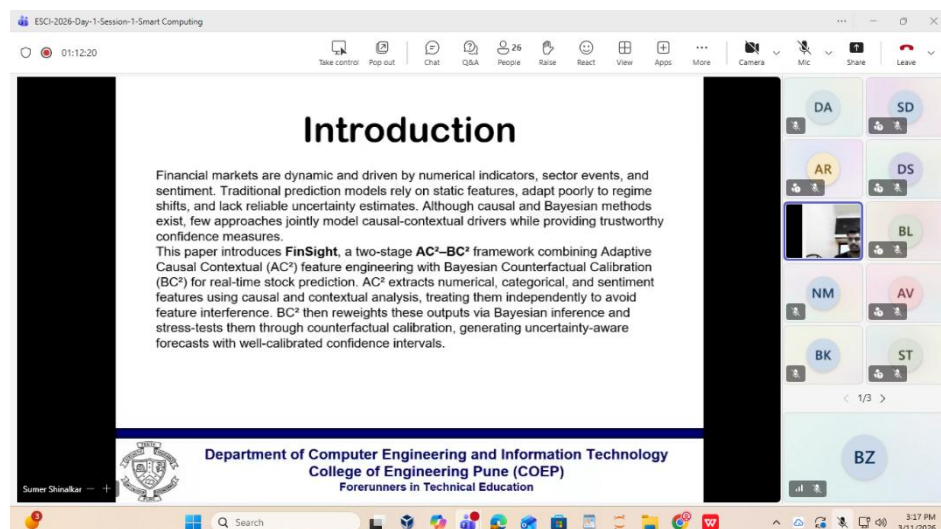




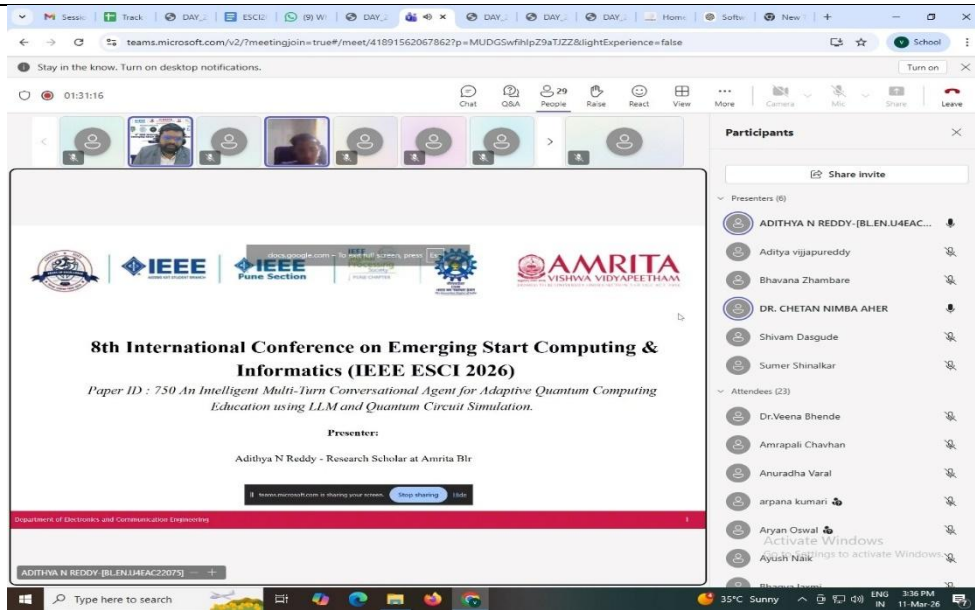
Author Presentation



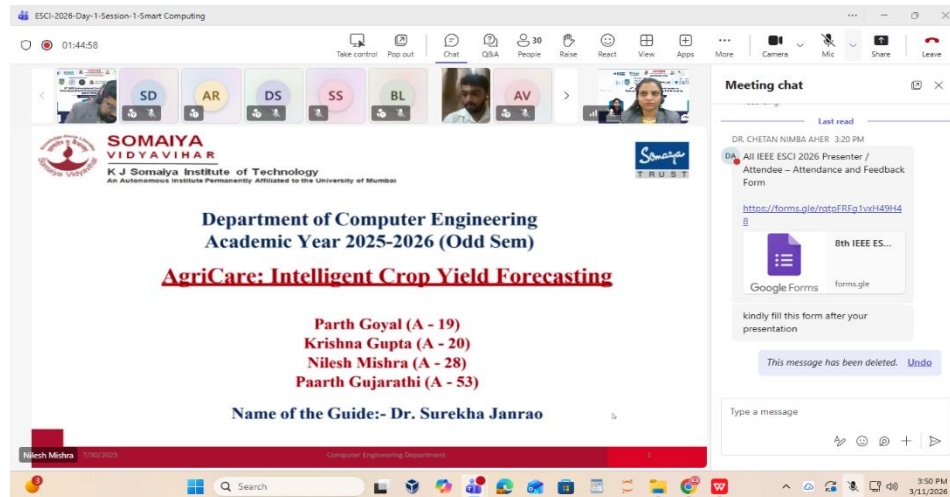
Paper ID: 755 :Vehicle Analytics: An Adaptive Approach for Traffic Signal Scheduling



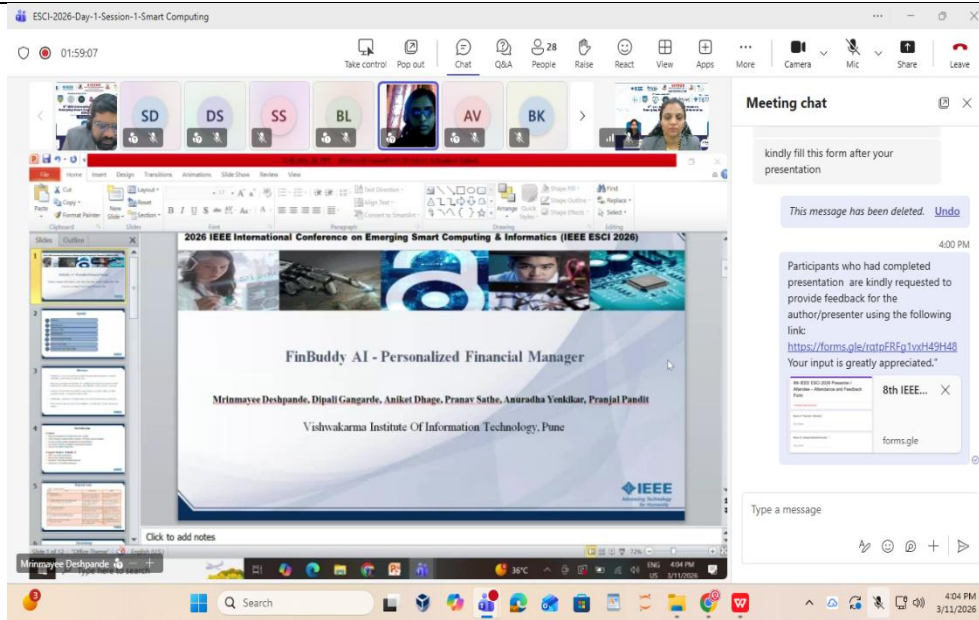
Paper ID: 759 :FinSight: A Hybrid Real-time Multi-source Framework for Stock Price Prediction



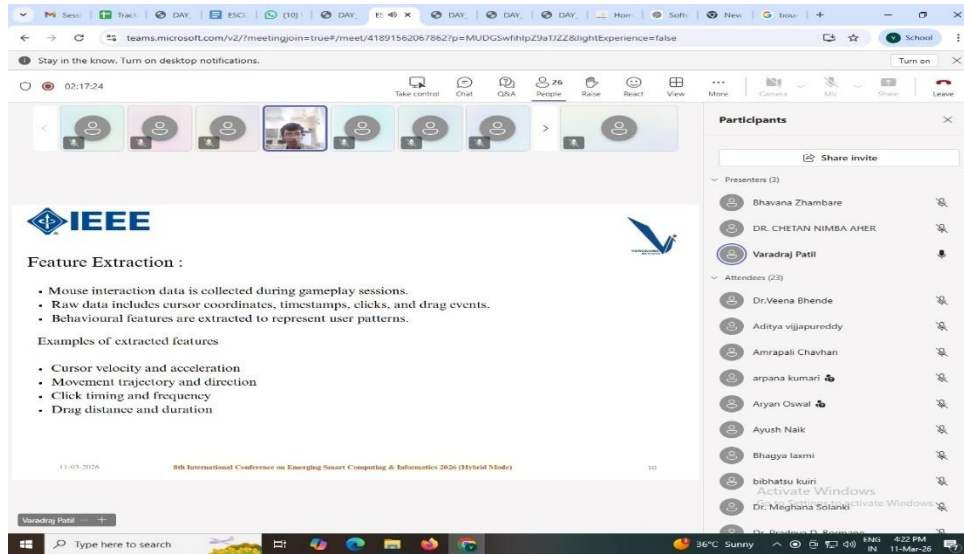
Paper ID: 750: An Intelligent Multi-Turn Conversational Agent for Adaptive Quantum Computing Education Using Large Language Models and Quantum Circuit Simulation.



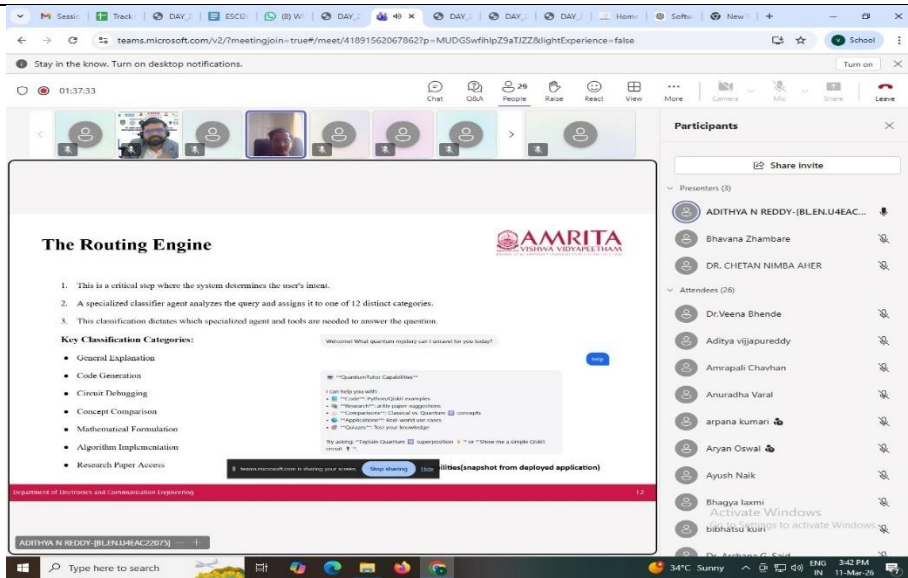
Paper ID; 158: AgriCare: An Intelligent System for Crop Yield Forecasting and Sustainable Farming in Punjab



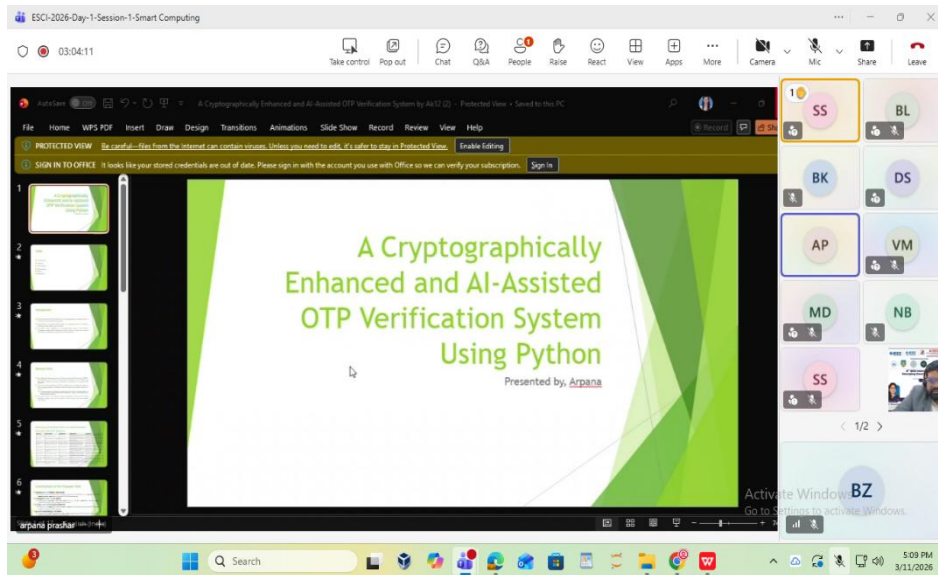
Paper ID: 27 : FinBuddy AI - Personalized Financial Manager



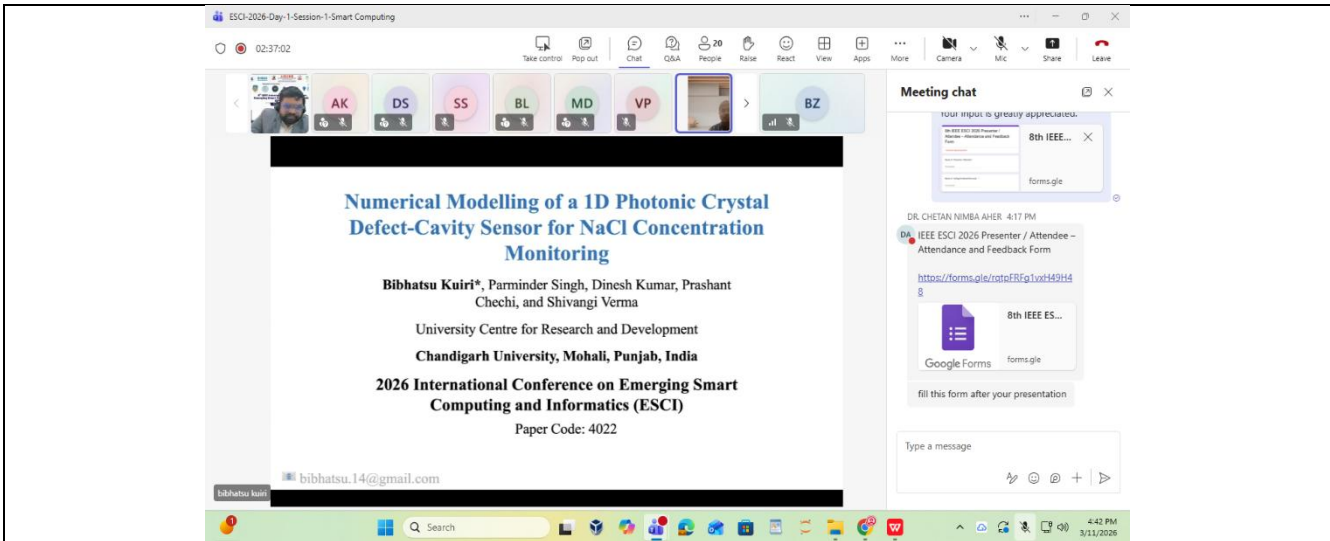
Paper ID: 327: User Authentication through Mouse Dynamics Using Gameplay Data



Paper ID: 1002: Multi-Modal Waste Recognition and Segregation Platform for Smart Cities

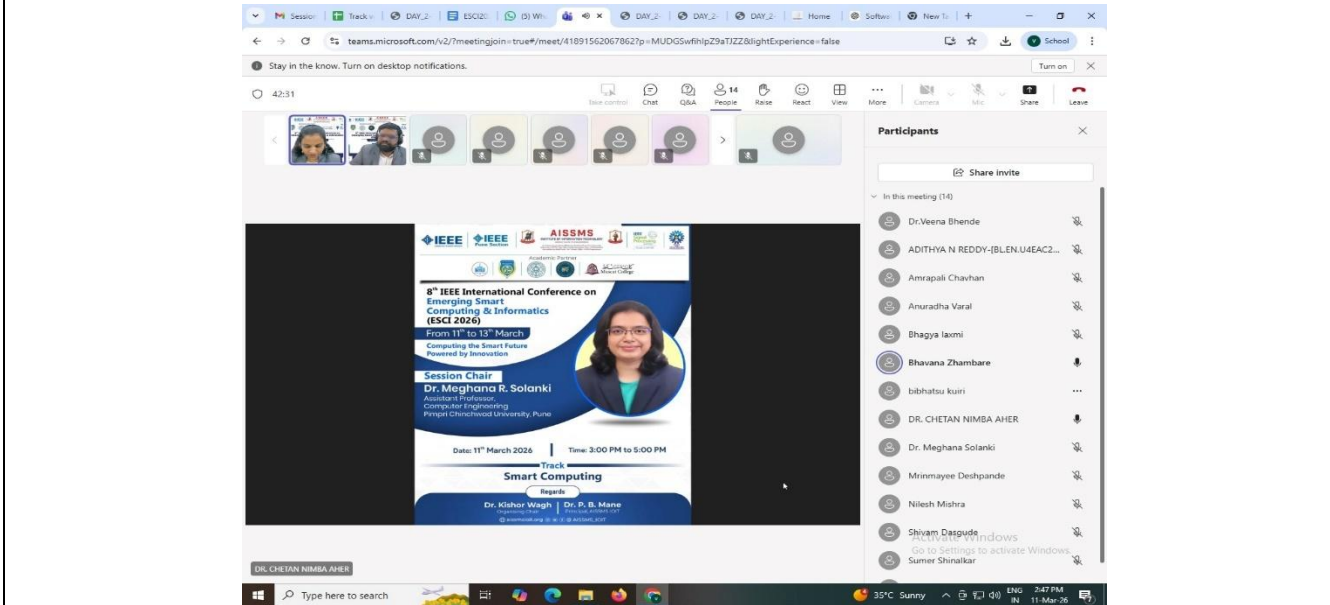


Paper ID 3215 :A Cryptographically Enhanced and AI-Assisted OTP Verification System



Paper ID: 4022: Numerical Modelling of a 1D Photonic Crystal Defect-Cavity Sensor for NaCl Concentration Monitoring.

Session Chair & Session Coordinator





Summary of paper presentation

Sr. No	Name of Session/Track	Paper ID	Best Paper Title	Name of Presenter
1	Smart Computing Session-1	4022	Numerical Modelling of a 1D Photonic Crystal Defect-Cavity Sensor for NaCl Concentration Monitoring	Bibhastu kuir

Session-2		
Track - Image & Signal Processing		Session Chair: Dr. Minakshee Patil, K.J College of Engineering and Management Research, Pune
Day: Wednesday	Date: 11/03/2026	Time: 3.00 pm to 5.00 pm
Session Coordinators- 1. Dr. Saurabh S.Shingare. 2. Mrs. Aparna A.Veer		Link- https://tinyurl.com/ESCI-2026-Day-1-Ses-2-ISP
Abstract of Session/keynote/Special session/tutorial –		
<p>Technical Oral Presentation Session 2: Image & Signal Processing was successfully conducted on the 1st day of 8th IEEE International Conference on Emerging Smart Computing and Informatics (ESCI 2026): 11th March 2026.</p> <p>Total 9 Papers were presented in this session.</p> <p>Paper ID: 600: AI-Driven Multi-Scan Diagnostic System for Early and Accurate Detection of Multiple Sclerosis Using Deep Learning and Ensemble Model.</p> <p>Paper ID: 276: Exploring Machine Learning and Deep learning approaches on the Orange Dataset: An Explainable AI Perspective</p> <p>Paper ID:127: Smart Thermal Profiling of Photovoltaic Farms via Wireless Sensor Networks</p> <p>Paper ID: 553: Anticipating Cancer Onset: An Edge-Optimized Transformer for Personalized, Early Breast Cancer Risk Assessment</p> <p>Paper ID:37: Empowering Travelling Doctors Using AI.</p> <p>Paper ID:126: Solar Plant Output Estimation Using a Gaussian</p> <p>Paper ID:4231: A Comprehensive Deep Learning Model for Deepfake Detection Using Deep Feature Extraction and Classif</p> <p>Paper ID:2417: Intelligent Web-Based Skin Disease Diagnosis System Using CNN Features and Medical Precaution Recomm</p> <p>Paper ID:1184: The Aging Challenge: A Performance Evaluation on Baseline Face Recognition Models Under Cross Age Va</p> <p>Session Chair Dr. Minakshee Patil evaluated the papers based on the parameters: Presentation Quality, Research Contents, Depth of Understanding of subject, Effectiveness, Time Management.</p> <p>At the end of session, Session Chair conveyed the Best Paper Title.</p> <p>Total no. of Participants- 13</p>		

Group Photo

ESCI-2026-Day-1-Session-2-Image & Signal Processing

51:56

Chat Q&A People Raise React View Apps More Camera Mic Share Leave

Participants

Type a name

Share invite

ishu 20SCSE1010884

Attendees (8) Mute all

- AH Amruta Hingmire
- BS badri shivani
- DP Dr. Minakshree Patil
- KB Kashiraya Biradar
- RK Rohan S Kulkarni
- SM Shreija Muthuvelan
- SD Soham Deshmukh
- SP Swati Patil

Others invited (1)



Session Chair & Session Coordinator

ESCI-2026-Day-1-Session-2-Image & Signal Processing

02:28:54

Take control Pop out Chat Q&A People Raise React View Apps More Camera Mic Share Leave

Participants Unmute mic (Ctrl+Shift+M)

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Presenters (6) Mute all

- KB Kashiraya Biradar
- AV Aparna Veer
- DS DR. SAURABH SUMANT SHINGARE
- DR. VIJAYKUMAR SHANKAR KAMBLE
- I2 ishu 20SCSE1010884
- SM Shreiya Muthuvelan

Attendees (1) Mute all

- DP Dr. Minakshree Patil

Others invited (1)

- DR. PRITESH KUMAR PATIL Accepted

**THE AGING CHALLENGE:
PERFORMANCE EVALUATION ON
BASELINE FACE RECOGNITION
MODELS UNDER CROSS AGE
VARIATION**

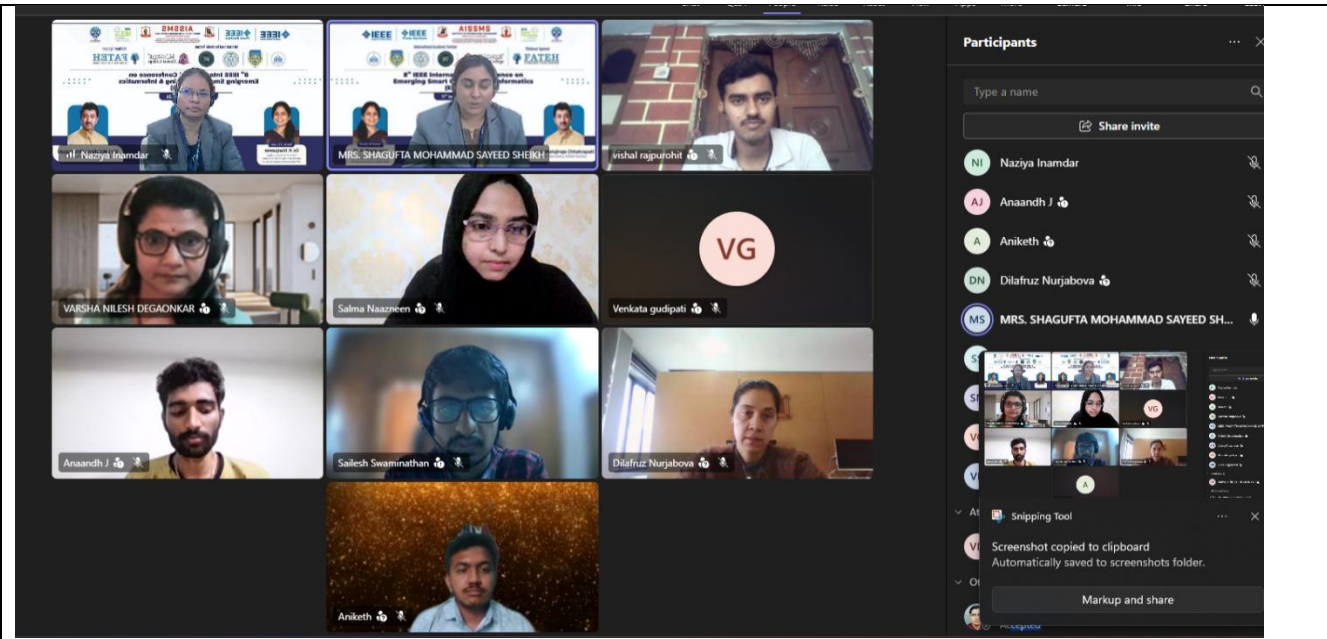
Paper ID: 1184
Authors : Shreiya Muthuvelan, Maneesha
IEEE ESCI 2026

Author Presentation

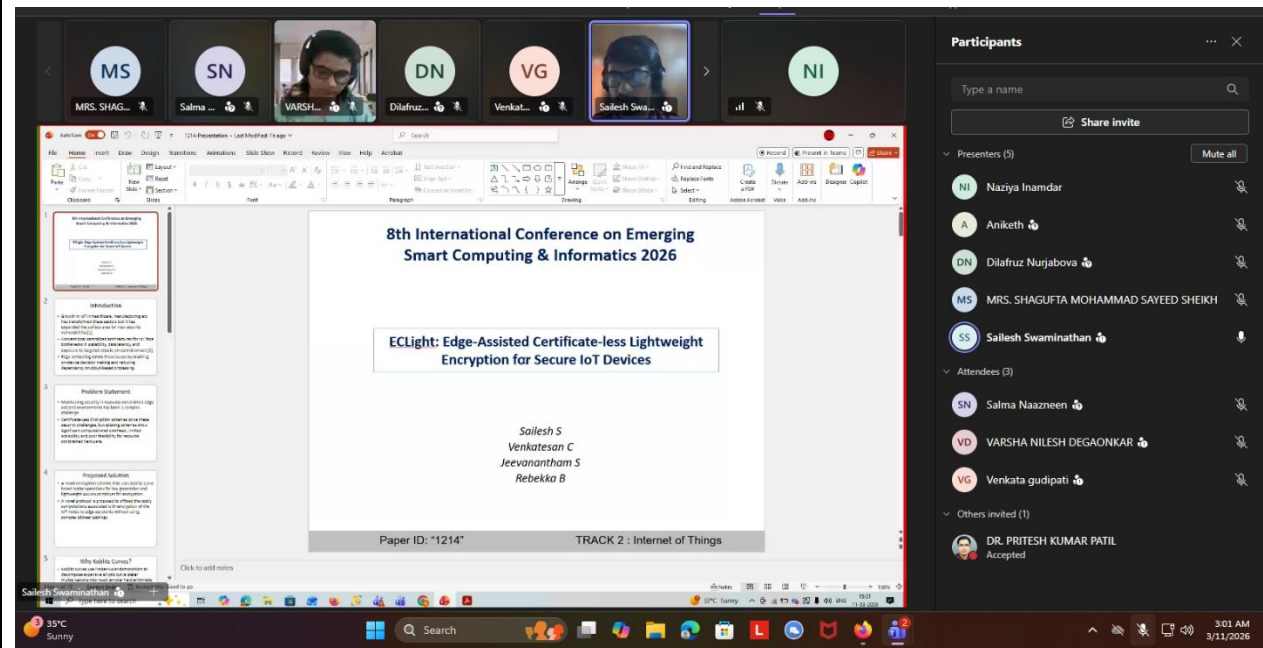
Summary of paper presentation

Sr. No	Name of Session/Track	Paper ID	Best Paper Title	Name of Presenter
1	Image & Signal Processing Session-2	1184	The Aging Challenge: A Performance Evaluation on Baseline Face Recognition Models Under Cross Age Variation.	Shriya Muthuvelan

Session-3		
Track – Internet Of Things		Session Chair: Dr. Varsha Degaonkar
Day: Wednesday	Date: 11/03/2026	Time: 3.00 pm to 5.00 pm
Session Coordinators- 3. Dr. Shagufta Sheikh 4. Mrs. Naziya Inamdar		Link- https://tinyurl.com/ESCI-2026-Day-1-Ses-3-IOT
Abstract of Session/keynote/Special session/tutorial – Technical Oral Presentation Session 3: Internet Of Things was successfully conducted on the 1st day of 8 th IEEE International Conference on Emerging Smart Computing and Informatics (ESCI 2026): 11 th March 2026. Total 8 Papers were presented in this session. Paper ID 1555 : Deep Genomic Feature Extraction Using Multimodal Neural Networks And Alzheimer’s Disease Susceptibility Prediction Role Of Blood Vessels In Alzheimer’s Disease. Paper ID 523:Sensor-Based AI Adaptive PWM Rectifier with Power Factor Optimization Paper ID 1214: ECLight: Edge-Assisted Certificate-less Lightweight Encryption for Secure IoT Devices Paper ID 736: Federated Edge Learning with Multimodal Signal Fusion for Smart Agriculture and Environmental Sensing Paper ID 824: IntelLights - An IOT & ML based Smart Traffic Lights Paper ID 1373: Development of Trend Plotter for Synchronized Thrust and Current Data Analysis of Unmanned Aerial Vehicles Propulsion System Paper ID 156: An AI-Driven IOT Wearable Framework For Cancer Diagnosis And Monitoring Paper ID 1496: HealthSense AI: An Integrated IoT and AI-based Multi-Disease Prediction System Session Chair Dr. Varsha Degaonkar evaluated the papers based on the parameters: Presentation Quality, Research Contents, Depth of Understanding of subject, Effectiveness, Time Management. At the end of session, Session Chair conveyed the Best Paper Title.		
Total no. of Participants- 13		



Group Photo



Author Presentation



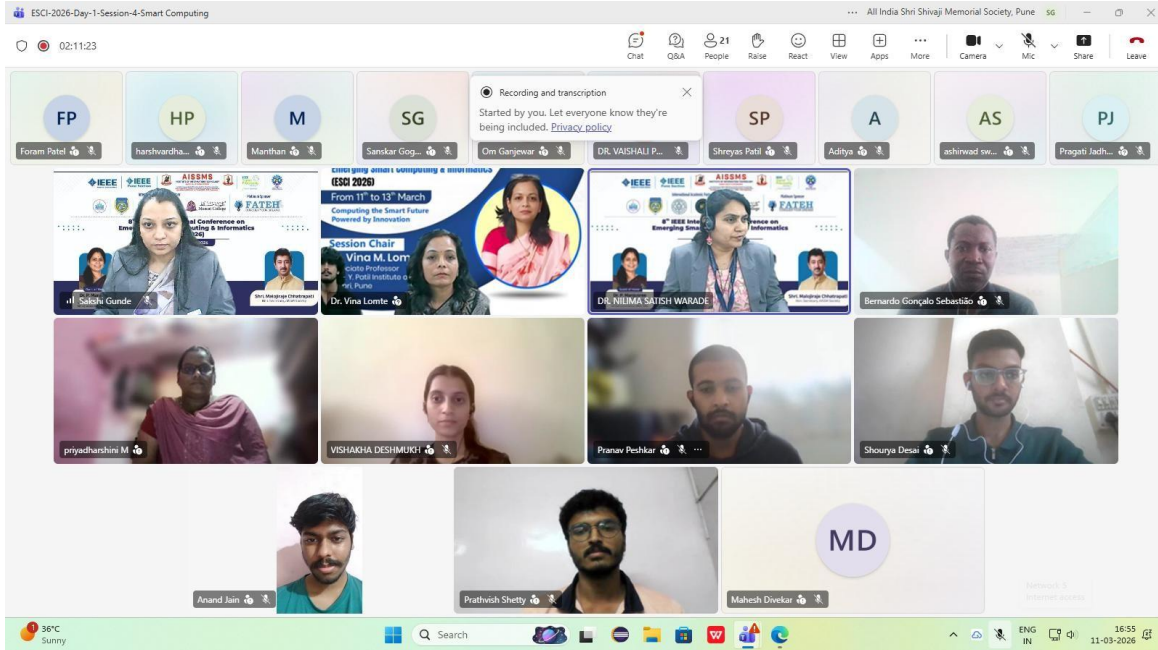
Session Chair & Session Coordinator

Summary of paper presentation

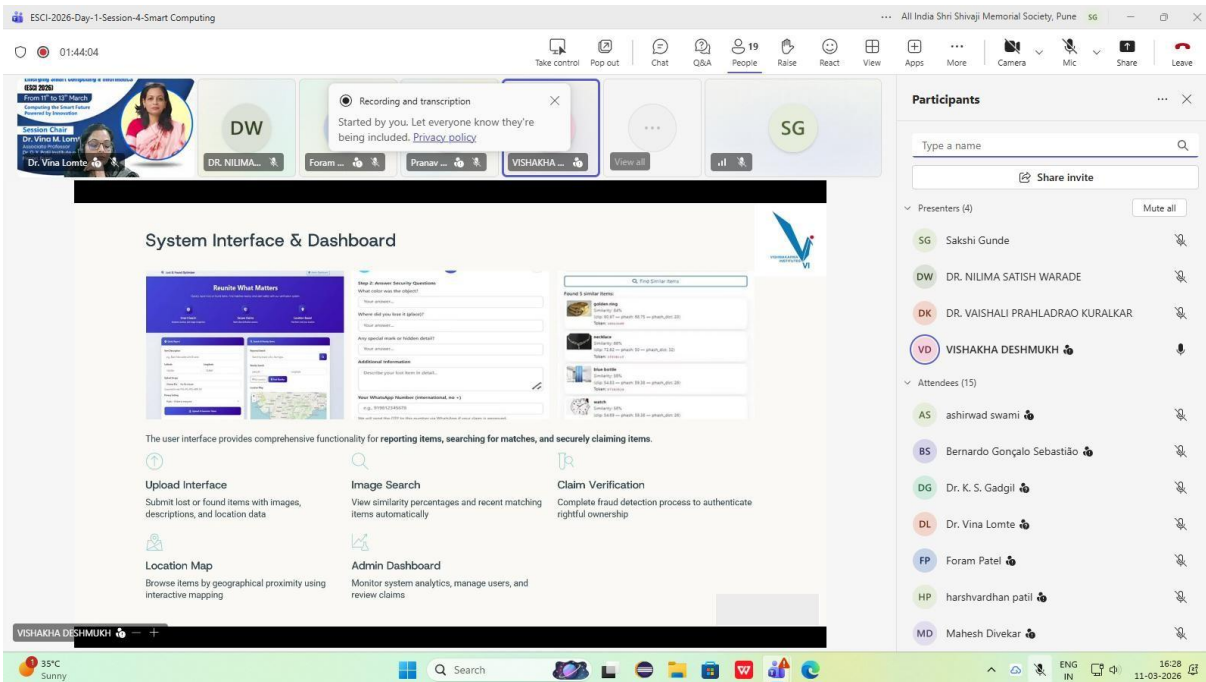
Sr. No	Name of Session/Track	Paper ID	Best Paper Title	Name of Presenter
1	Internet Of Things Session-3	1214	ECLight: Edge-Assisted Certificate-less Lightweight Encryption for Secure IoT Devices	Sailesh Swaminathan

Session-4		
Track - Smart Computing	Session Chair: Dr. Vina Lomte Dr. D. Y. Patil Institute of Technology, Pimpri, Pune	
Day: Wednesday	Date: 11/03/2026	Time: 3.00 pm to 5.00 pm
Session Coordinators- 1. Dr. Nilima Satish Warade 2. Ms. Sakshi Milind Gunde	Link- https://tinyurl.com/ESCI-2026-Day-1-Sess-4-SC	
Abstract of Session/keynote/Special session/tutorial –		
<p>Technical Oral Presentation Session 4: Smart Computing was successfully conducted on the 1st day of 8th IEEE International Conference on Emerging Smart Computing and Informatics (ESCI 2026): 11th March 2026.</p> <p>Total 9 Papers were presented in this session.</p> <p>Paper ID: 1085: Crowd Panic : A Novel Dataset and Performance Evaluation Paper ID:260: SkillLink: Service Oriented Approach for services selection Paper ID:784: VIRASAT: A Comprehensive AI-Integrated Digital Platform</p> <p>Paper ID: 786: Machine Learning-Driven Adaptive Traffic Control System with Priority-Based Signal Optimization</p> <p>Paper ID:1044: Smart City Navigation System for Multi-Route Recommendation and Emergency Landmark Awareness</p> <p>Paper ID:758: Federated Learning in Smart Healthcare with Optimized History-Based Diagnosis Paper ID:1118: Automated Lost and Found Retrieval System Using Deep Learning and Geospatial Analysis</p> <p>Paper ID:949: Design and Development of an AI-Based Multilingual Farmer Support Application with Integrated Expert</p> <p>Paper ID:354:A Blockchain-Based Approach to Ensure Provenance, Integrity, and Auditability of Healthcare Data</p> <p>Session Chair Dr. Vina Lomte evaluated the papers based on the parameters: Presentation Quality, Research Contents, Depth of Understanding of subject, Effectiveness, Time Management.</p> <p>At the end of session, Session Chair conveyed the Best Paper Title.</p>		

Total no. of Participants- 29



Group Photo



Author Presentation

ESCI-2026-Day-1-Session-4-Smart Computing

02:04:47

Recording and transcription
Started by you. Let everyone know they're being included. [Privacy policy](#)

Participants

Type a name

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Presenters (5)

- SG Sakshi Gunde
- BS Bernardo Gonçalo Sebastião
- DW DR. NILIMA SATISH WARADE
- DK DR. VAISHALI PRAHLADRAO KURALKAR
- PM priyadharshini M

Attendees (16)

- A Aditya
- AJ Anand Jain
- AS ashinwad swami
- DL Dr. Vina Lomte
- FP Foram Patel
- HP harshvardhan patil

Proposed System Architecture

```

    graph TD
      HL7[HL7 FHIR preprocessing] --> DL[Data Layer off-chain storage]
      HL7 --> SC[Smart Contracts for access control]
      HL7 --> AI[AI/ML interoperability module]
      HL7 --> BL[Blockchain Ledger]
      BL --> DL
      BL --> SC
      BL --> AI
      BL --> ADM[Anomaly Detection module]
      ADM --> AI
  
```

Hot days ahead 35°C

Search

ENG IN 11-03-2026 18:49

Author Presentation

GPS Map Camera

Pune, Maharashtra, India 🇮🇳

Gvj8+prp, Railway Officers Colony, Sangamvadi, Pune, Maharashtra 411001, India

Lat 18.531866° Long 73.867005°

Wednesday, 11/03/2026 03:10 PM GMT +05:30

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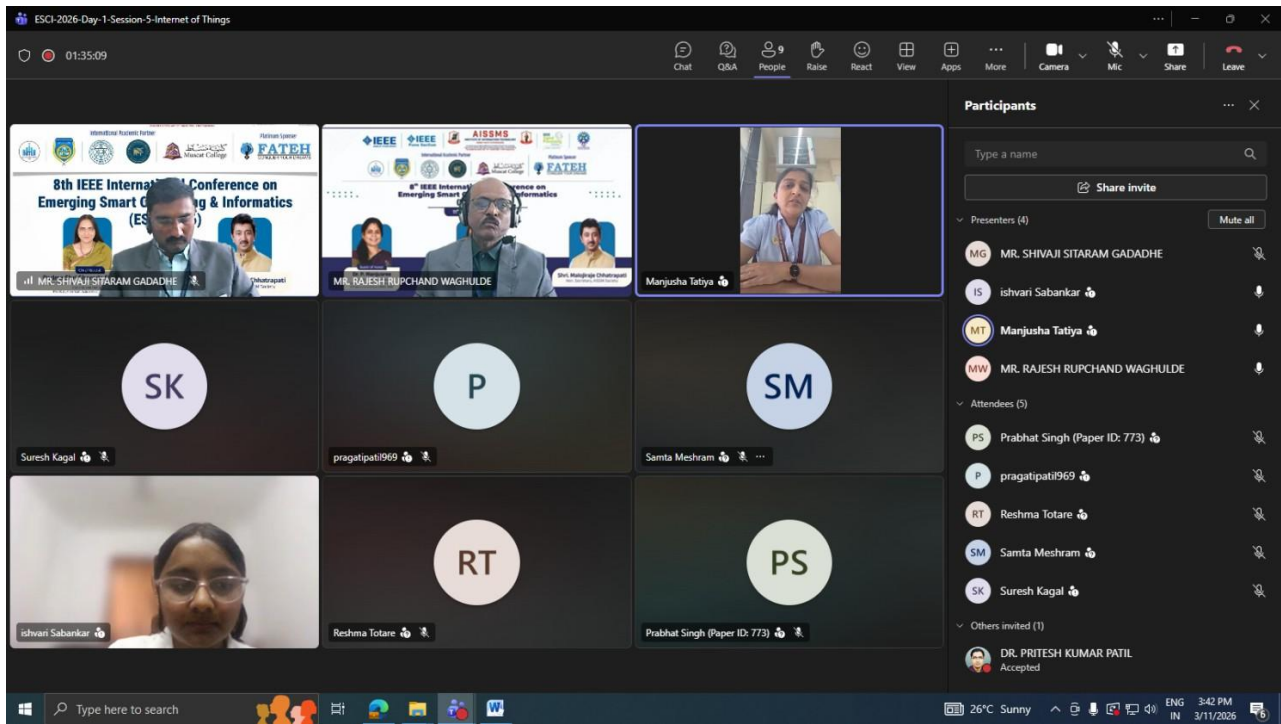
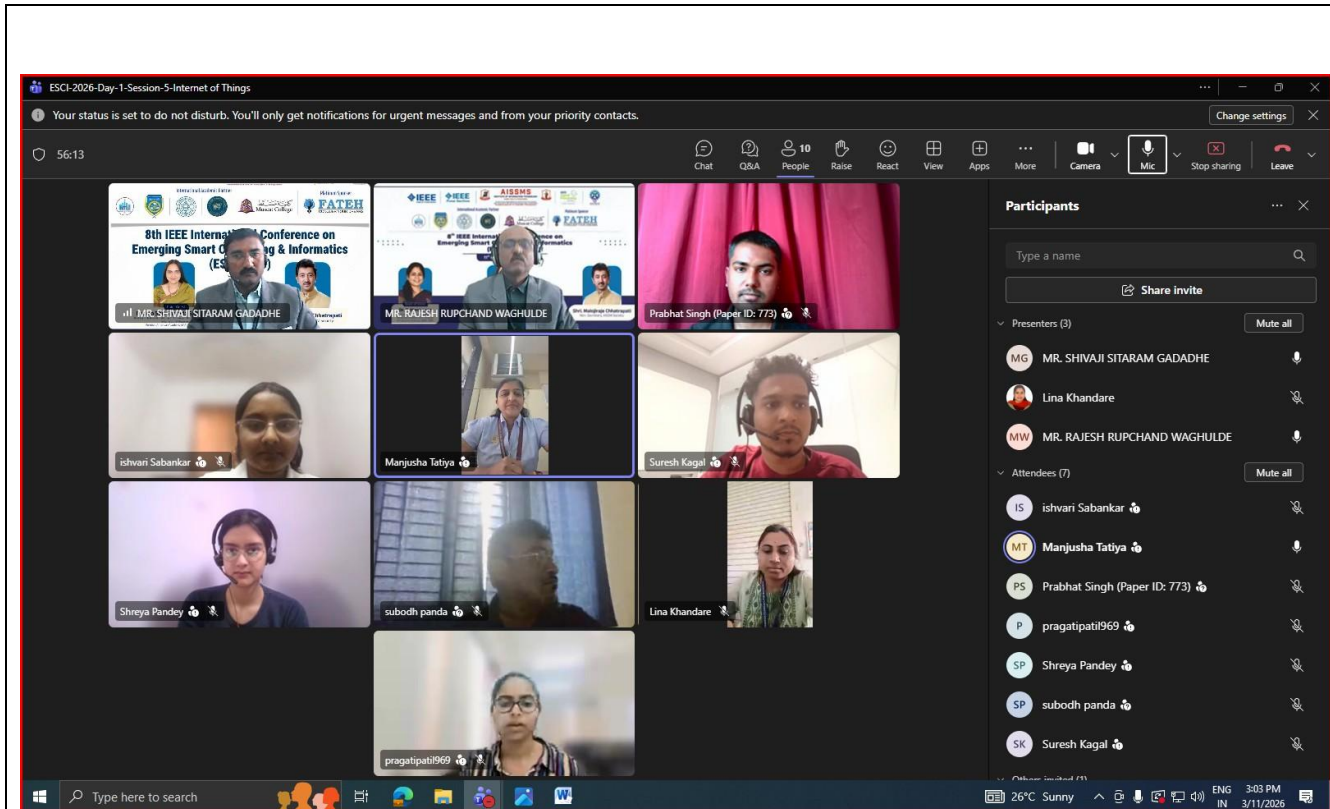
Session Chair & Session Coordinator

Summary of paper presentation

Sr. No	Name of Session/Track	Paper ID	Best Paper Title	Name of Presenter
1	Soft Computing Session-4	786	Machine Learning-Driven Adaptive Traffic Control System with Priority-Based Signal Optimization	Shourya Desai

Session-5		
Track - Smart Computing		Session Chair: Dr. Meghana Solanki, Pimpri Chinchwad Deemed to be University, RAIT, Nerul
Day: Wednesday	Date: 11/03/2026	Time: 3.00 pm to 5.00 pm
Session Coordinators-		Link- https://tinyurl.com/DAY-1-Sess-5-ISP
<ol style="list-style-type: none"> 1. Dr. Shivaji Gadhade 2. Mr. Rajesh R.Waghulde 		
<h2>Abstract of Session/keynote/Special session/tutorial –</h2> <p>Technical Oral Presentation Session 5: Internet of Things was successfully conducted on the 1st day of 8th IEEE International Conference on Emerging Smart Computing and Informatics (ESCI 2025): 11th March 2026.</p> <p>Total 7 Papers were presented in this session.</p> <p>Paper ID: 277 Privacy-Preserving Federated Learning with Homomorphic Encryption</p> <p>Paper ID:265: AI Driven Agro-Automation Using NDVI bases crop Health Analysis and IoT- Enabled Intelligent Irrigation</p> <p>Paper ID:1272: Real-Time kitchen Safety System for Fire and Accident Prevention</p> <p>Paper ID: 940: An Intelligent Multi-Module Workstation for Enhancing Safety and Productivity in EMS Environments.</p> <p>Paper ID:773: A Smart Extender-Based Automatic Printing System to Digitize Traditional Print Services.</p> <p>Paper ID:1613: Design and Analysis of a Compact. High-Efficiency Multiband Radiator with Enhanced Gain for Sub-6 GHz 5G and Broadband Communications.</p> <p>Paper ID:2981: IoT Based Smart Hel Integrated Airbag, Alcohol Detection, and Real-Time Accident Response.</p> <p>Session Chair Dr. Manjusha Tatiya evaluated the papers based on the parameters: Presentation Quality, Research Contents, Depth of Understanding of subject, Effectiveness, Time Management.</p> <p>At the end of session, Session Chair conveyed the Best Paper Title.</p> <h2>Total no. of Participants- 7</h2>		

8th IEEE International Conference on Emerging Smart Computing & Informatics (ESCI-2026)



The screenshot shows a Zoom meeting interface. The main window displays a presentation slide with the following text:

Privacy-Preserving Federated Learning with Homomorphic Encryption

Secure Collaborative Machine Learning Without Sharing Raw Data

Authors
Ishaan Deshpande
Shhreyash Pandey

Supervisor
Dr. Puneet Bakshi – CDAC Pune

Institution
Symbiosis Institute of Technology, Pune

The slide features a background image of a network of glowing nodes and locks. The Zoom interface includes a top toolbar with icons for chat, Q&A, people, raise, react, view, apps, more, camera, mic, share, and leave. A participants list on the right shows 11 attendees, with 3 presenters (MG, MW, SP) and 8 attendees (IS, MT, PS, P, RT, SM, SP, SK). The system tray at the bottom shows the time as 01:12:18 and the date as 3/11/2026.

The screenshot shows a Zoom meeting interface with a grid of participants. The top toolbar is visible, showing icons for chat, Q&A, people, raise, react, view, apps, more, camera, mic, share, and leave. The participants list on the right shows 14 attendees, with 4 presenters (MG, IS, MT, MW) and 5 attendees (PS, P, RT, SM, SK). The system tray at the bottom shows the time as 01:35:09 and the date as 3/11/2026.

The main window displays a presentation slide with the following text:

8th IEEE International Conference on Emerging Smart Computing & Informatics (ESCI-2026)

The slide features a background image of a network of glowing nodes and locks. The Zoom interface includes a top toolbar with icons for chat, Q&A, people, raise, react, view, apps, more, camera, mic, share, and leave. A participants list on the right shows 14 attendees, with 4 presenters (MG, IS, MT, MW) and 5 attendees (PS, P, RT, SM, SK). The system tray at the bottom shows the time as 01:35:09 and the date as 3/11/2026.



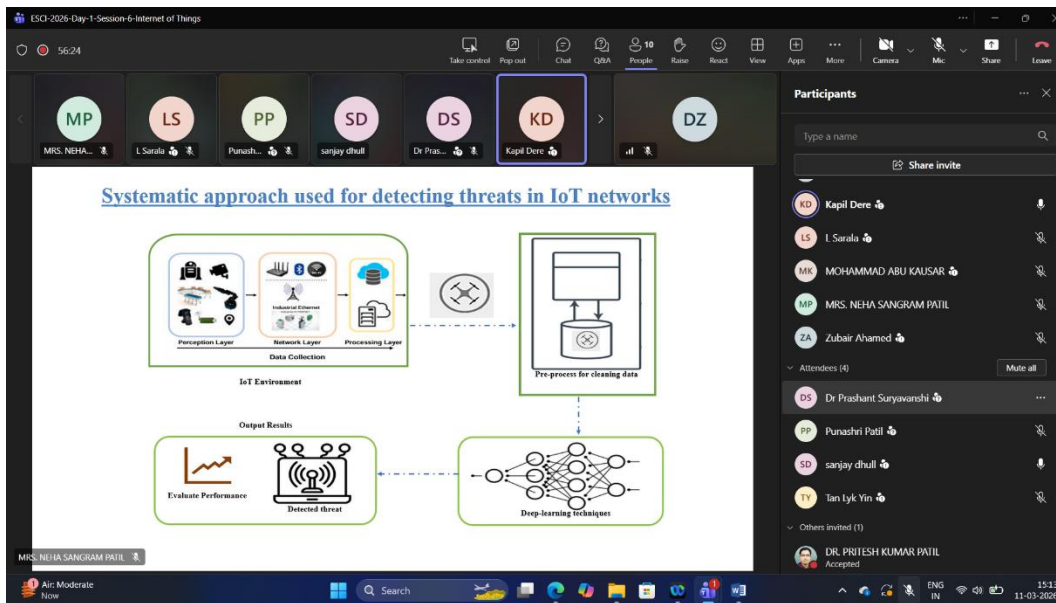
Session Chair & Session Coordinator

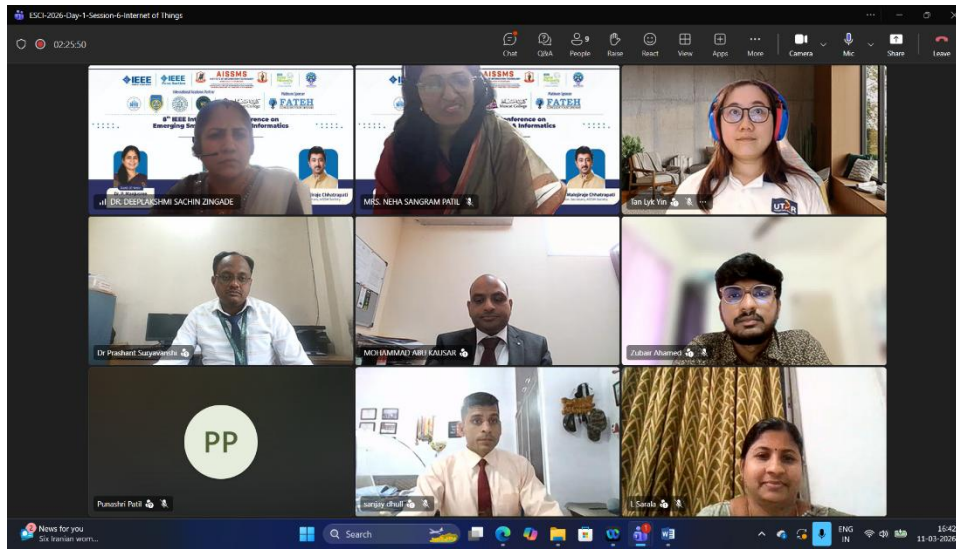
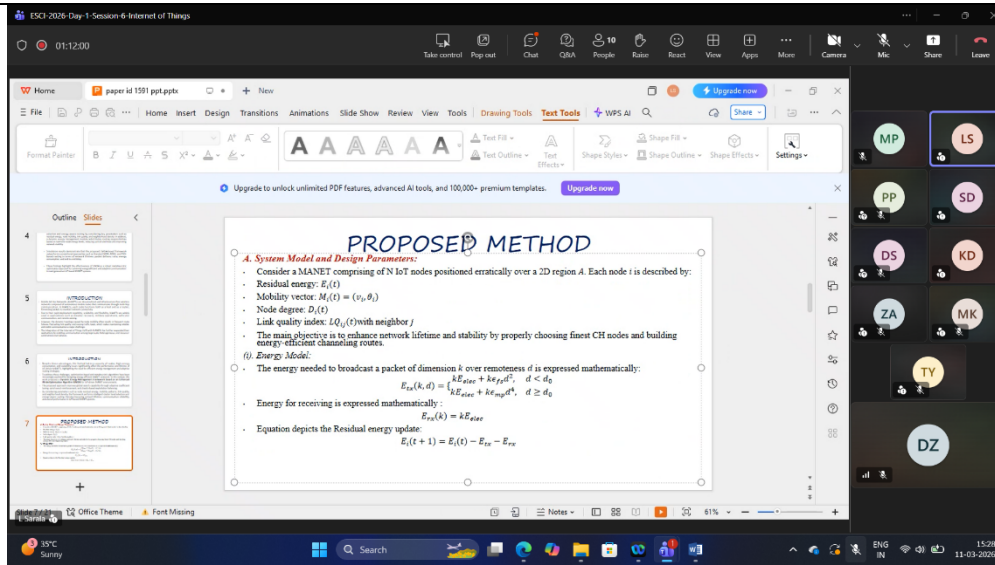
Summary of Paper Presentation

Sr. No	Name of Session/Track	Paper ID	Best Paper Title	Name of Presenter
1	Internet of Things Session-5	277	Privacy-Preserving Federated Learning with Homomorphic Encryption	Shhreyash Pandey

Session-6		
Track - Internet of Things	Session Chair: Dr. Prashant Suryavanshi M:9527731973 E: sprashant1234@gmail.com HSBPVTS PARIKRAMA GOI FOE KASHTI, Ahilyanagar	
Day: Wednesday	Date: 11/03/2026	Time: 3.00 pm to 5.00 pm
Session Chair and Coordinator- 5. Dr. Deeplakshmi Zingade 6. Dr. Neha Patil	Link- https://tinyurl.com/ESCI-2026-Day-1-Sess-6-IOT	
Abstract of Session/keynote/Special session/tutorial – <p>Technical Oral Presentation Session 6: Internet of Things was successfully conducted on the 1st day of 8th IEEE International Conference on Emerging Smart Computing and Informatics (ESCI 2026): 11th March 2026.</p> <p>Total 7 Papers were presented in this session.</p> <p>Paperid:1591: Dynamic Energy Management in IoT-Driven MANETs Using an Enhanced Whale Optimization Algorithm</p> <p>Paperid:2183: Nature-Inspired Optimization Enabled Convolutional Neural Network for Threat Detection in IOT</p> <p>Paperid :1275: Digital Twin-Enabled IoT for Real-Time Predictive Analytics in Smart Cities</p> <p>Paperid:1314: Green Federate: A Federated Learning Framework for Energy-Efficient and Privacy-Preserving Model Training on Distributed Edge Devices.</p> <p>Papered: 3676: Hybrid Genetic Algorithms for Joint Energy Efficient and Stability Optimization in UAV Delivery Path</p> <p>Paperid: 4239: A Reconfigurable FPGA Architecture for AI-Enabled Multi- Sensor Fusion in Drone-Based Situational Awareness</p> <p>Papered:2373: Metaheuristic Optimization and Deep learning approaches for resilient DDOS detection in IOT environment</p> <p>Session Chair Dr. Prashant Suryavanshi evaluated the papers based on the parameters: Presentation Quality, Research Contents, Depth of Understanding of subject, Effectiveness, Time Management.</p> <p>At the end of session, Session Chair conveyed the Best Paper Title.</p> <p>Total no. of Participants- 07</p>		

Photos:





Summary of paper presentation

Sr. No	Name of Session/Track	Paper ID	Best Paper Title	Name of Presenter
1	Internet of Things Session-6	3676	Hybrid Genetic Algorithms for Joint Energy Efficient and Stability Optimization in UAV Delivery Path	LYK YIN TAN

Session-7		
Track – Internet of Things		Session Chair: Dr. Vandana Vinayak Navale, Ajinkya D.Y.Patil School of Engineering, Pune
Day: Thursday	Date: 12/03/2026	Time: 10.00 am to 12.00 pm
Session Coordinators- 7. Dr. Veena Bhende 8. Mrs. Supriya Deshmukh		Venue – AISSMS IOIT , Room No.405(Offline)

Abstract of Session/keynote/Special session/tutorial –

Technical Oral Presentation Session 1: Internet of Things was successfully conducted on the 2nd day of 8th IEEE International Conference on Emerging Smart Computing and Informatics (ESCI 2025): 12th March 2026.

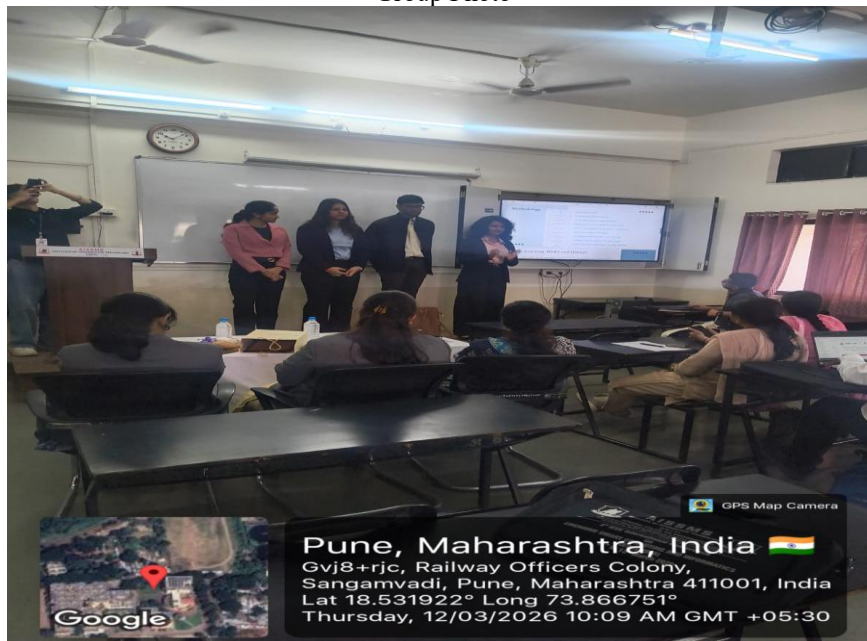
Total 6 Papers were presented in this session.

- 1.303 :Mapping Regional Economic Development in India Using VIIRS Nighttime Lights and Machine Learning
2. 1191 :Development of an IoT-Integrated AI System for Microplastic Detection in Water Samples
3. 1507: AI-Driven Protocol-Level Security Measurement in IoT Applications Using S-AES Encryption and Python.
4. 1386 :An Explainable AI and Adaptive Deep Learning Framework For Zero Day Attacks Detection In High-Speed
5. 602: Hybrid Class Attendance Monitoring System using Bluetooth, Wifi and RFID Backup
6. 714: Autonomous Seed Dispersal Rover with Sensor-Driven Site Classification Using AutoML

At the end of session, Session Chair conveyed the Best Paper Title.

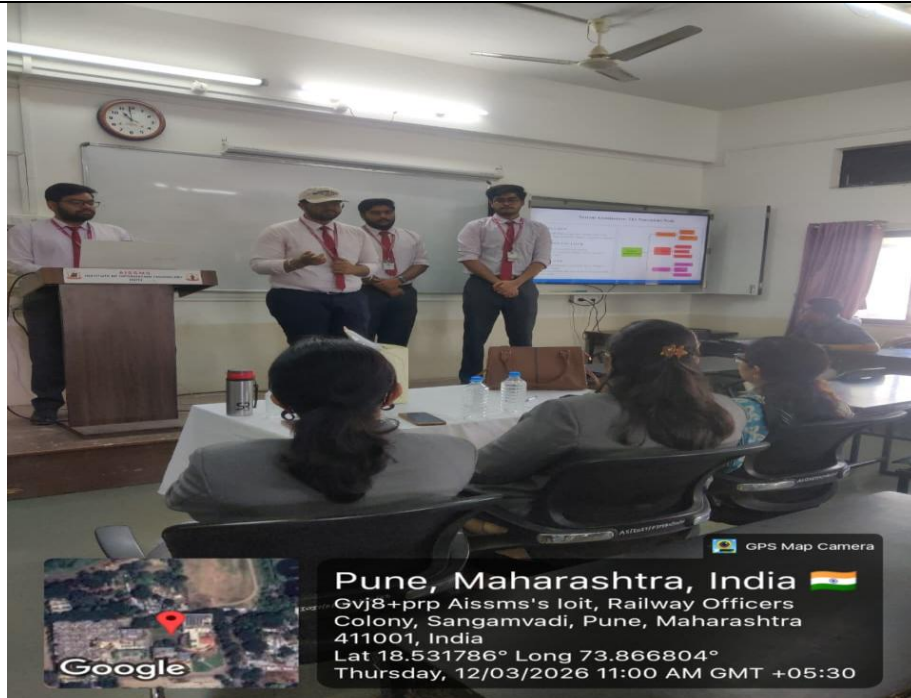
Total no. of Participants- 19

Group Photo









Session Chair & Session Coordinator

Dr.Veena Suhas Bhende
Session Chair

Mrs. Supriya Deshmukh
Session Coordinator

Summary of paper presentation

Sr. No	Name of Session/Track	Paper ID	Best Paper Title	Name of Presenter
1	Internet of Things Session-7	1386	An Explainable AI and Adaptive Deep Learning Framework For Zero Day Attacks Detection In High-Speed	Garima Singh

Session-8		
Track – Smart Computing	Session Chair: Dr. Aye Mye Hlaing, Professor & dean, Faculty of computer science, university of computer studies (Taungoo), Myanmar	
Day: Thursday	Date: 12/03/2026	Time: 10.00 am to 12.00 pm
Session Coordinators- 9. Dr. Prajwal S. Gaikwad 10. Ms. Dhanashri. D. Changan	Link- <u>Offline (Lab 407)</u>	
<p>Abstract of Session/keynote/Special session/tutorial –</p> <p>Technical Oral Presentation Session 8: Smart Computing was successfully conducted on the 2st day of 8th IEEE International Conference on Emerging Smart Computing and Informatics (ESCI 2025): 12th March 2026.</p> <p>Total 5 Papers were presented in this session.</p> <p>Paper ID: 3695: A Machine Learning Framework for Liver Cancer Classification Using Clinical Features</p> <p>Paper ID:1412: Cloud-Native Renewable Energy Marketplace: A Comprehensive Peer-to-Peer Trading Platform Using Google</p> <p>Paper ID:1851: Safeshield: AI-Driven Intrusion Detection and Prevention System</p> <p>Paper ID: 907: FINSPIRE: A Practical, Lightweight Pipeline for Real-Time Market News Sentiment Analysis</p> <p>Paper ID:3993: From Strokes to Identity: A Hybrid Deep Learning Framework for Forensic Sketch Recognition</p> <p>At the end of session, Session Chair conveyed the Best Paper Title.</p> <p>Total no. of Participants- 05</p>		



Group Photo



Author Presentation



Pune, Maharashtra, India 🇮🇳

Gvj8+prp, Railway Officers Colony, Sangamvadi,
Pune, Maharashtra 411001, India

Lat 18.531808° Long 73.867066°

Thursday, 12/03/2026 12:08 PM GMT +05:30



Summary of paper presentation

Sr. No	Name of Session/Track	Paper ID	Best Paper Title	Name of Presenter
1	Smart Computing Session-8	3993	From Strokes to Identity: A Hybrid Deep Learning Framework for Forensic Sketch Recognition	Shivangi Safai

Session-09		
Track - Image & Signal Processing		Session Chair: Dr. Yogini Borole
Day: Thursday	Date: 12/03/2026	Time: 10.00 am to 12.00 pm
Session Coordinators- 11. Dr. Reshma Yogesh Totare 12. Ms. Rajshri N. Malage		Offline Mode(605)

Abstract of Session/keynote/Special session/tutorial –

Technical Oral Presentation Session 6: Image & Signal Processing was successfully conducted on the 2nd day of 8th IEEE International Conference on Emerging Smart Computing and Informatics (ESCI 2026): 12th March 2026.

Total 10 Papers were presented in this session.

Paper ID: 2509: EmotionNetX: A Systematic Comparative Benchmark of Modern Architectures for Facial Expression Recog

Paper ID:3610: Enhancing AI-Driven Land Boundary Mapping and City Encroachment Detection using Deep Learning eospatal Data

Paper ID:2752: Vision-Based Detection and Material Classification of Metallic Objects Using Deep Learning

Paper ID: 2935: A YOLOv11n+CBAM Framework for Small-Damage Road Inspection: Faster and More Accurate Than Prior Deep Learning Approaches

Paper ID:807: Intelligent Prenatal Risk Assessment: A U-Net and HCNN-BiLSTM Approach to Nuchal Translucency Analysis

Paper ID:952: A Comparative Study of Deep Learning models for Garbage Classification

Paper ID:112: Improving Low-Light Underwater Object Detection Using Adaptive GAN-Driven Dual Distortion Augmentation

Paper ID:285: MOVIS: Modular Visual Intelligence System for Human Profiling & Contextual Analysis

Paper ID:1489: DeepAgroNet: CNN-Based Deep Learning Framework for Tomato Disease Recognition

Paper ID:1161: A comparative study of YOLO models for the Detection and Identification of Underwater Micro-Organisms

Session Chair Dr. Yogini Borole evaluated the papers based on the parameters: Presentation Quality, Research Contents, Depth of Understanding of subject, Effectiveness, Time Management.

At the end of session, Session Chair conveyed the Best Paper Title.

Total no. of Participants- 20





Summary of paper presentation

Sr. No	Name of Session/Track	Paper ID	Best Paper Title	Name of Presenter
1	Image & Signal Processing Session-09	112	Improving Low-Light Underwater Object Detection Using Adaptive GAN-Driven Dual Distortion Augmentation.	Vaishnavi Navale

Session-10		
Track – Smart Computing		Session Chair: Dr. Shashank Joshi, Bharati Vidyapeeth Deemed University College of Engineering, Pune
Day: Thursday	Date: 12/03/2026	Time: 10.00 pm to 12.00 pm
Session Chair and Coordinator- 1. Dr. Archana Said 2. Tejaswi Mangave		Link- Offline Session at Class Room no 505
<p>Abstract of Session/keynote/Special session/tutorial – Technical Oral Presentation Session 10: Smart Computing was successfully conducted on the 2nd day of 8th IEEE International Conference on Emerging Smart Computing and Informatics (ESCI 2025): 12th March 2026.</p> <p>Total 4 Papers were presented in this session.</p> <p>Paper ID :1088 :- AI-Powered Community Cleanup and Reward Platform.</p> <p>Paper ID :4133 :- A Single-View Geometric Framework for Food Volume and Mass Estimation Using Axisymmetric Modelling.</p> <p>Paper ID :3892:-Predictive Marketing: A Campaign Text Optimization and Analysis Framework using Machine Learning, NL.</p> <p>Paper ID :-1503:- Insight Chain - AI Agent For Data Driven Supplier Discovery and Analysis</p> <p>At the end of session, Session Chair conveyed the Best Paper Title.</p> <p>Total no. of Participants- 11</p>		



Summary of paper presentation

Sr. No	Name of Session/Track	Paper ID	Best Paper Title	Name of Presenter
1	Session-10	1503	Insight Chain - AI Agent For Data Driven Supplier Discovery and Analysis	Mr. Chris Vinod Kurian

Session-11		
Track – Special session		Session Chair: Dr.Suresh Limkar Central University of Jammu
Day: Thursday	Date: 12/03/2026	Time: 10.00 am to 1.00 pm
Session Coordinators- 13. Session Chair : Dr. Vaishali Prahladrao Kuralkar (9860502602) 14. Session Coordinator: Mr. Palkar Pradeep Uttamrao (8888750956)	Link: https://tinyurl.com/ESCI-2026-Day-2-Sess-11-SS Meeting ID: 498 402 289 343 15 Passcode: cv6FQ2ux	
Abstract of Session/keynote/Special session/tutorial –		
<p>Technical Oral Presentation Session 11: Special Session was successfully conducted on the 2nd day of 8th IEEE International Conference on Emerging Smart Computing and Informatics (ESCI 2026): 12th March 2026.</p> <p>Total 9 Papers were presented in this session.</p> <ol style="list-style-type: none"> 1. ss_08_14 Quantum Machine Learning Models for High-Dimensional DataAnalysis 2. ss_08_15 Digital Twin-Based Real-Time Fault Prediction for SmartManufacturing 3. ss_08_17 Blockchain-Based Smart Contracts for Cross-BorderPayments 4. ss_08_18 Sentiment Analysis of Social Media for Stock PricePrediction 5. ss_08_19 Secure Mobile Payment Systems Using Multi-FactorAuthentication 6. ss_08_20 Deep Reinforcement Learning for High-Frequency Trading 7. ss_08_21 Privacy-Preserving Protocols for E-Commerce Payments 8 .ss_08_22 Quantum-Resistant Cryptographic Protocols for DigitalCurrencies 9. ss_08_23 Cloud-Based Payment Gateways for SMEs in DevelopingEconomies <p>Session Chair Dr. Dr.Suresh Limkar evaluated the papers based on the parameters: Presentation Quality, Research Contents, Depth of Understanding of subject, Effectiveness, Time Management.</p> <p>At the end of session, Session Chair conveyed the Best Paper Title.</p> <p>Total no. of Participants- 09</p> <p>Total Attendee's : 09</p> <p style="text-align: center;">Group Photo</p>		

8th IEEE International Conference on Emerging Smart Computing & Informatics (ESCI-2026)

ESCI-2026 Day-2 Session-11 SS

44:19

Participants

Type a name

Share invite

Presenters (5)

- MR. PRADEEP UTTAMRAO PALKAR
- Amit Kumar Srivastava
- Dr Maruthi Shankar B
- DR. VAISHALI PRAHLADRAO KURALKAR
- DR. VIJAYKUMAR SHANKAR KAMBLE

Attendees (5)

- Dr. K. S. Gadgil
- Dr. Nilima S. Warade
- Dr. Suresh Limkar
- Senthil Ganesh R
- Shubhangi Landge

Hot days ahead 27°C

10:17 AM 3/12/2026

ESCI-2026 Day-2 Session-11 SS

25:13

Participants

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Presenters (3)

- MR. PRADEEP UTTAMRAO PALKAR
- Dr Maruthi Shankar B
- DR. VAISHALI PRAHLADRAO KURALKAR

Attendees (4)

- Dr. K. S. Gadgil
- Dr. Nilima S. Warade
- Dr. Suresh Limkar
- Shubhangi Landge

Others invited (1)

- DR. PRITESH KUMAR PATIL Accepted

Unmute mic (Ctrl+Shift+M)

28°C Sunny

9:58 AM 3/12/2026

ESCI-2026 Day-2 Session-11 SS

45:42

Participants

Type a name

Share invite

Presenters (8)

- MR. PRADEEP UTTAMRAO PALKAR
- Amit Kumar Srivastava
- Dr. Maruthi Shankar B
- DR. VAISHALI PRAHLADRAO KURALKAR
- DR. VIJAYKUMAR SHANKAR KAMBLE
- DR. VINEETA PHILIP

Attendees (5)

- Dr. K. S. Gadgil
- Dr. Nilima S. Warade
- Dr. Suresh Limkar
- Senthil Ganesh R
- Shubhangi Landge

Digital Twin-Based Real-Time Fault Prediction for Smart Manufacturing

Dr. Vikrant Nangare*
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Bharati Vidyapeeth
(Deemed to be University)
Institute of Management and
Entrepreneurship Development,
Pune-411038
vikrant.nangareptil@gmail.com

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Somit Panchbhil Waghmare
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Vishwakarma Institute of Technology,
Bilweewadi, Pune-411037,
Maharashtra, India.
somit.waghmare@vit.edu

Dr. Maruthi Shankar B

Hot days ahead
27°C

ESCI-2026 Day-2 Session-11 SS

01:09:31

Meeting chat

2/17 3:17 PM DR. PRITESH KUMAR PATIL scheduled a meeting.

Yesterday

9:33 AM Meeting started

Last read

10:14 AM DR. VAISHALI PRAHLADRAO KURALKAR started recording.

IEEE ESCI 2026 Presenter / Attendee - Attendance and Feedback Form

<https://forms.gle/rqtPFRFg1vxH49H48>

8th IEEE ESCI 2026 Presenter ...

Google Forms

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MODEL TRAINING AND OPTIMIZATION

The training and optimisation process makes sure that the predictive model works well with data it hasn't seen before and that it makes as few mistakes as possible when making predictions.

TABLE 2: COMPARATIVE ANALYSIS OF DIFFERENT MODELS

Model	RMSE	MAE	MAPE	Directional Accuracy (%)
Support Vector Regression (SVR)	25.34	15.28	5.1%	69.8
Random Forest (RF)	21.76	13.41	4.3%	73.2
LSTM (without Sentiment)	18.92	12.67	3.6%	78.5
Proposed LSTM (with Sentiment)	12.45	8.12	2.4%	81.3

Figure 3: RMSE Comparison Across Model

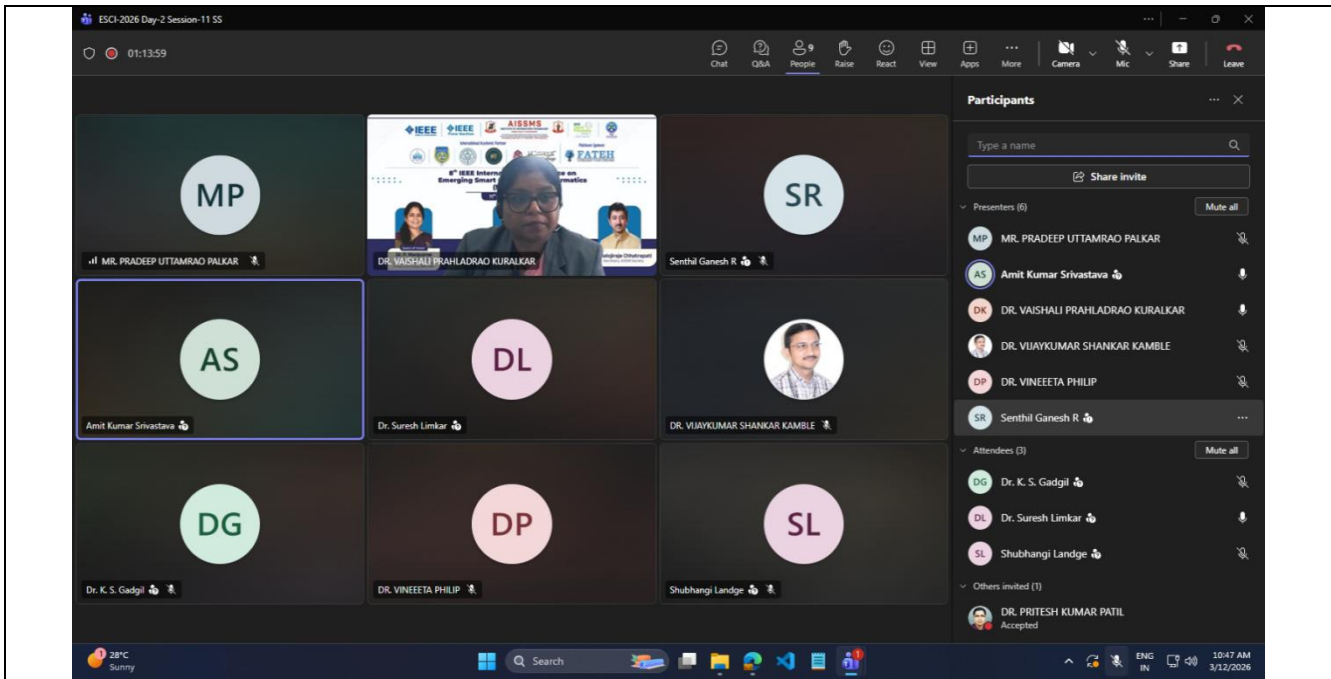
The Mean Absolute Percentage Error (MAPE) drops to 2.4%, which is a big improvement over the baseline LSTM (3.6%), as well as the ensemble methods. The Proposed model gets 81.3%, which is higher than SVR (69.8%), RF (73.2%), and the basic LSTM (76.5%). The RMSE numbers for each model are shown in the figure (3). The proposed LSTM has the lowest RMSE (12.45), which means that the difference between projected and real stock prices is smaller. The RMSE for SVR is the highest at 25.34, while Random Forest and standard LSTM are in the middle. The results show that including emotion greatly improves the accuracy of predictions.

Optimization Algorithm is as follows

- Step 1: Initialize Parameters: Set LSTM weights W , b , learning rate η , batch size, and epochs.
- Step 2: Forward Pass: Feed X_t into LSTM, compute hidden states h_t , and predict $\hat{P}_t(t+1)$.
- Step 3: Loss Calculation: Evaluate prediction error using
$$L = \frac{1}{N} \sum_{t=1}^N (P_t - \hat{P}_t)^2$$
- Step 4: Backpropagation: Compute gradients using Backpropagation Through Time (BPTT).
- Step 5: Parameter Update: Apply Adam optimizer with regularization to update W , b .
- Step 6: Validation & Early Stopping: Monitor validation loss, stop training when no improvement is observed, return optimized model.

IEEE

28°C Sunny



Author Presentation



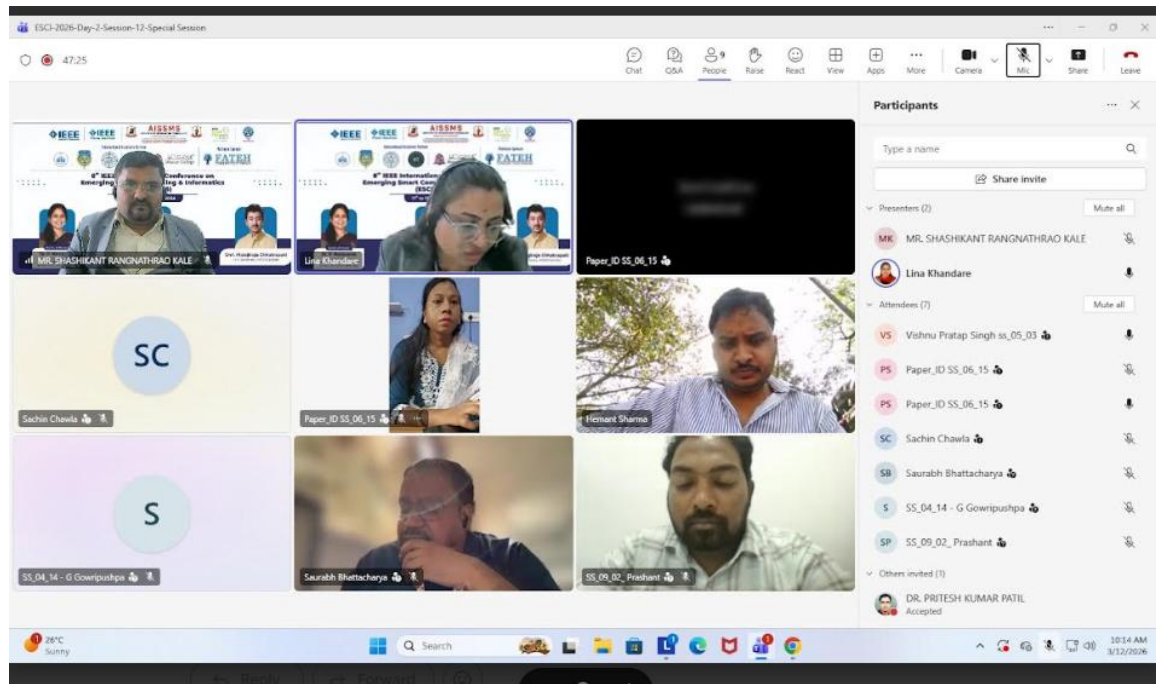
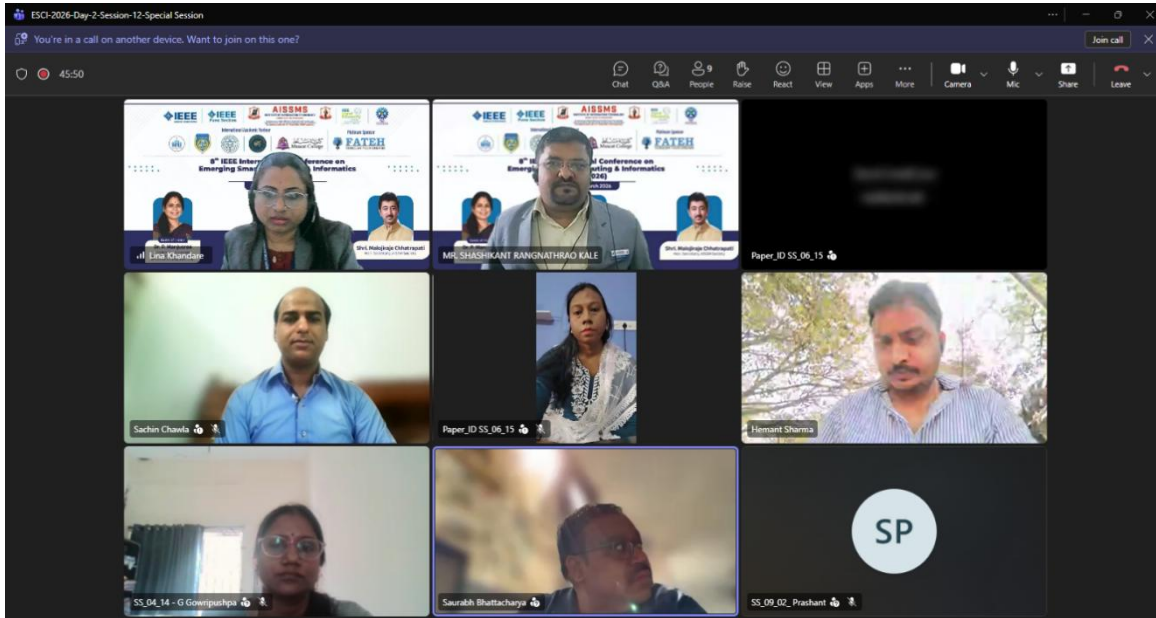
Session Chair & Session Coordinator

Summary of paper presentation

Sr. No	Name of Session/Track	Paper ID	Best Paper Title	Name of Presenter
1	Special Session Session-11	ss_08_14	Quantum Machine Learning Models for High-Dimensional DataAnalysis	Dr.R.Senthil Ganesh

Session-12		
Track – Special Session		Session Chair: Dr. Saurabh Bhattacharya Assistant Professor (Gr-3) Galgotias University, Greater Noida UP.
Day: Thursday	Date: 12/03/2026	Time: 10.00 AM to 12.00 PM
Session Coordinators- 15. Dr. Shashikant Rangnathrao Kale 16. Dr. Lina Khandare		Link- https://tinyurl.com/ESCI-2026-Day-2-Sess-12-SS
Abstract of Session/keynote/Special session/tutorial –		
<p>Technical Oral Presentation Session 12: Special Session was successfully conducted on the 2nd day of 8th IEEE International Conference on Emerging Smart Computing and Informatics (ESCI 2025): 12th March 2026.</p> <p>Total 9 Papers were presented in this session.</p> <p>Paper ID: SS_04_14 - Quantum Machine Learning Models for High-Dimensional</p> <p>Paper ID:ss_05_03 ByteBERT: Self-Supervised Representation Learning for Malware Classification using Bytecode and</p> <p>Paper ID: SS_05_09 - A Frequency-Aware CNN“Vision Transformer with Adaptive Multi-Scale Frequency Fusion Framework for R</p> <p>Paper ID: SS_06_15 - A Hierarchical Factorized Bilinear Fusion based Dual-branch Deep Learning Model for Histopathology I</p> <p>Paper ID: ss_09_02 - Graph Neural Networks for Modelling Financial Market Dependencies</p> <p>Paper ID: ss_09_03 - AI-Driven Fraud Detection in Digital Wallet Transactions</p> <p>Paper ID: ss_09_06 Cryptocurrency Volatility Prediction Using Deep Learning</p> <p>Paper ID: ss_09_08 Enhanced Diagnostic Validation of the Efficient XGBoost Model for Accurate COVID-19 Pneumonia</p> <p>Paper ID: ss_09_10 Real-Time Anomaly Detection in Online Transactions</p> <p>Session Chair Dr. Saurabh Bhattacharya evaluated the papers based on the parameters: Presentation Quality, Research Contents, Depth of Understanding of subject, Effectiveness, Time Management.</p> <p>At the end of session, Session Chair conveyed the Best Paper Title.</p>		
Total no. of Participants- 13		

Group Photo



Author Presentation

ESCI - 2026

A Frequency-Aware CNN-Vision Transformer with Adaptive Multi-Scale Feature Fusion Framework for Real-Time EEG-Based Epileptic Seizure Detection

Co-Authors :
 Dr. Rajeev Ranjan
 Dr. Yogendra Narayan

Presenter Details:
 Mr. Sachin Chawla
 Paper ID – SS_05_09

Results & Discussions

CHB-MIT Dataset

Model	Accuracy	Sensitivity	Specificity	F1-score	AUC
CMF-ViT	98.5	97.5	99.0	98.0	99.5
GRU	88.0	85.0	90.0	86.5	92.0
BiGRU	89.0	86.0	91.0	87.5	93.0
Transformer	90.0	88.0	92.0	89.0	94.0
CMF-CNN	92.0	91.0	93.0	92.0	95.0
ViT	93.0	92.0	94.0	93.0	96.0

Kaggle EEG Dataset

Model	Accuracy	Sensitivity	Specificity	F1-score	AUC
CMF-ViT	90.0	88.0	92.0	89.0	94.0
GRU	75.0	72.0	78.0	74.5	82.0
BiGRU	76.0	73.0	79.0	75.5	83.0
Transformer	77.0	74.0	80.0	76.5	84.0
CMF-CNN	78.0	75.0	81.0	77.0	85.0
ViT	79.0	76.0	82.0	78.0	86.0

Legend: Accuracy (Blue), Sensitivity (Orange), Specificity (Green), F1-score (Red), AUC (Purple)

Meeting chat:
 for this session
 All participants do not leave the session unless it over
 10:33
 8th IEEE ESCI 202...
 Google Forms forms.gle
 Kindly fill out the feedback and attendance link for this session
 10:47
 8th IEEE ESCI 202...
 Google Forms forms.gle
 All participants do not leave the session unless it over
 Type a message

Fig 4. Comparative evaluation of CMF ViT and baseline models on CHB-MIT and Kaggle EEG datasets across multiple performance metrics

ESCI-2026-Day-2-Session-12-Special Session

01:40:48

Pop out Chat Q&A People Raise React View Apps More Camera Mic Share Leave

Saurab... MR.SHASH... Samir A... SS_09_02_P... Paper_L... Paper_L...

Title- Graph Neural Networks for Modelling Financial Market Dependencies

Paper ID- SS-09-02
By Prashant Khobragade
Dept of Computer Science and Engineering
Nagpur, India

teams.microsoft.com is sharing your screen. Stop sharing Hide

SS_09_02_Prashant

Participants

Type a name

Share invite

- PS Paper_ID SS_06_15
- PS Paper_ID SS_06_15
- SP SS_09_02_Prashant

Attendees (5)

- BS Bharti Sahu
- BS Bharti Sahu
- MW Mamta Wanjare
- SA Samir Ajani
- SB Saurabh Bhattacharya

Others invited (1)

- DR_PRITESH KUMAR PATIL Accepted

Suggestions (1)

- MM MR. AMOL JAGANNATH MORE

ESCI-2026-Day-2-Session-12-Special Session

02:02:51

Take control Pop out Chat Q&A People Raise React View Apps More Camera Mic Share Leave

Saurab... MR.SHASH... Samir A... SS_09_02_P... Paper_L... Bharti Sahu

PROPOSED MEHODOLOGY

```

    graph TD
      A[Chest X ray Dataset] --> B[Data Pre-Processing]
      B --> C[Feature Extraction]
      C --> D[Feature Matrix]
      D --> E[Data Segmentation]
      E --> F[ML Model]
      E --> G[DL Model]
      E --> H[Proposed Hybrid Model]
      F --> I[Prediction output]
      G --> I
      H --> I
      I --> J[Performance Evaluation]
      J --> K[Normal]
      J --> L[Pneumonia]
      J --> M[COVID 19]
  
```

Paper ID ss_09_08

Participants

Type a name

Share invite

Mute all

Presenters (9)

- Lina Khandare
- BS Bharti Sahu
- MW Mamta Wanjare
- MK MR. SHASHIKANT RANGNATHRAO KALE
- PS Paper_ID SS_06_15
- PS Ppaer ID ss_09_08
- SA Samir Ajani
- S SS_04_14 - G Gowripushpa
- SP SS_09_02_Prashant

Attendees (1)

- SB Saurabh Bhattacharya

Others invited (1)



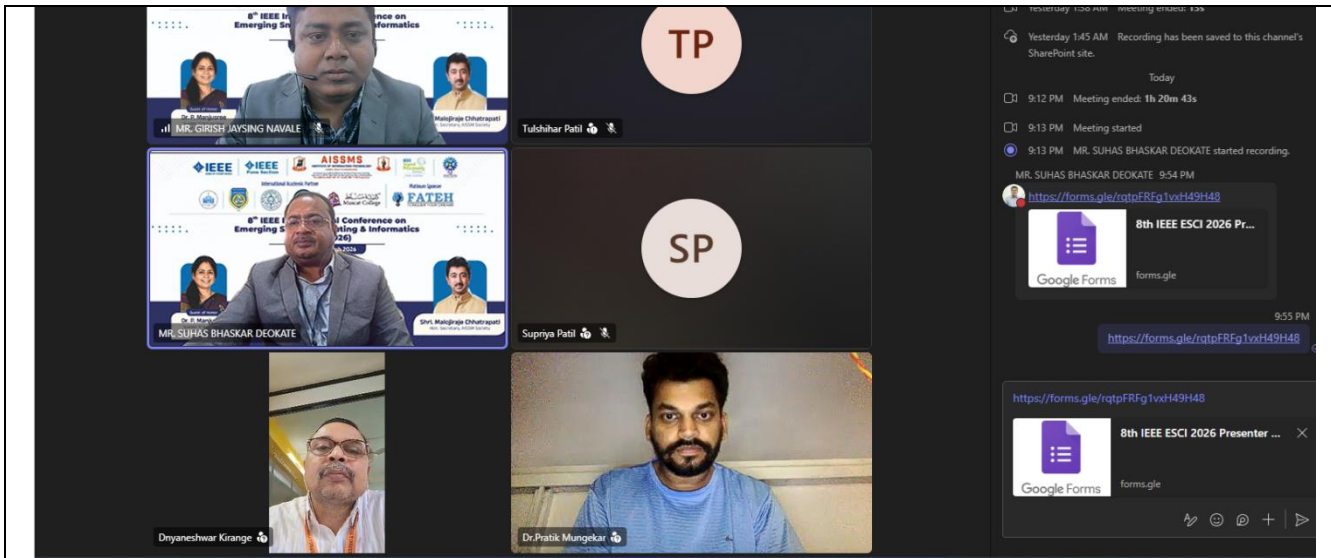
Session Chair & Session Coordinator



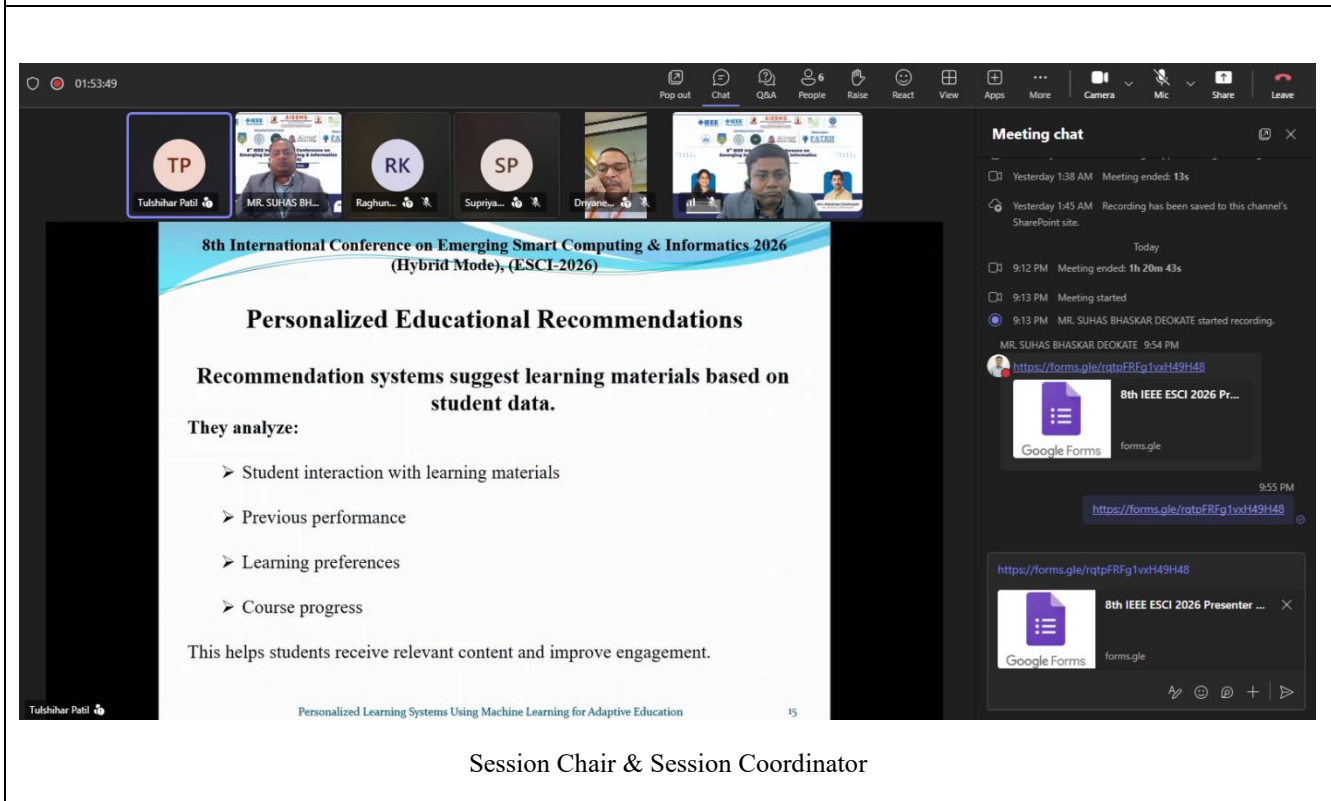
Summary of paper presentation

Sr. No	Name of Session/Track	Paper ID	Best Paper Title	Name of Presenter
1	Special Session Session-12	SS_06_15	A Hierarchical Factorized Bilinear Fusion based Dual-branch Deep Learning Model for Histopathology I	Pramila Soren

Session-13		
Track – Special Session		Session Chair: Dr. Dnyaneshwar Kirange SBT's College of Engineering & Technology, Bambhori, Jalgaon - 425002, MS, India
Day: Thursday	Date: 12/03/2026	Time: 10.00 pm to 12.00 A.M
Session Coordinators- 17. Dr. Girish Navale 18. Mr. Suhas Devkate		Link- https://tinyurl.com/ESCI-2026-Day-2-Sess-13-SS
Abstract of Session/keynote/Special session/tutorial –		
<p>Technical Oral Presentation Session 13: Smart Computing was successfully conducted on the 2nd day of 8th IEEE International Conference on Emerging Smart Computing and Informatics (ESCI 2025): 12th March 2026.</p> <p>Total 9 Papers were presented in this session.</p> <p>ss_08_01: 519: AI-Powered Predictive Maintenance for Industrial Machinery Using Deep Learning ss_08_02: Personalized Learning Systems Using Machine Learning for Adaptive Education</p> <p>ss_08_03: AI-Driven Customer Support: Conversational Chatbots for E-Commerce Applications</p> <p>ss_08_04 :Deep Reinforcement Learning for Autonomous Robotic Manipulation Tasks Paper ss_08_05: Compact Edge-AI Architecture for Real-Time Decision Making in Smart Devices Paper ss_08_07: Hybrid CNN Transformer Architecture for High-Precision Image Classification</p> <p>ss_08_10: Metaverse-Driven Digital Learning Environments for Immersive Education</p> <p>ss_08_11: Vision-Based Autonomous Drone Navigation Using Deep Reinforcement Learning</p> <p>ss_08_12: SLAM-Based Indoor Service Robot for Intelligent Human Assistance</p> <p>Session Chair Dr. Dnyaneshwar Kirange evaluated the papers based on the parameters: Presentation Quality, Research Contents, Depth of Understanding of subject, Effectiveness, Time Management.</p> <p>At the end of session, Session Chair conveyed the Best Paper Title.</p> <p>Total no. of Participants- 09</p>		
Group Photo		



Author Presentation

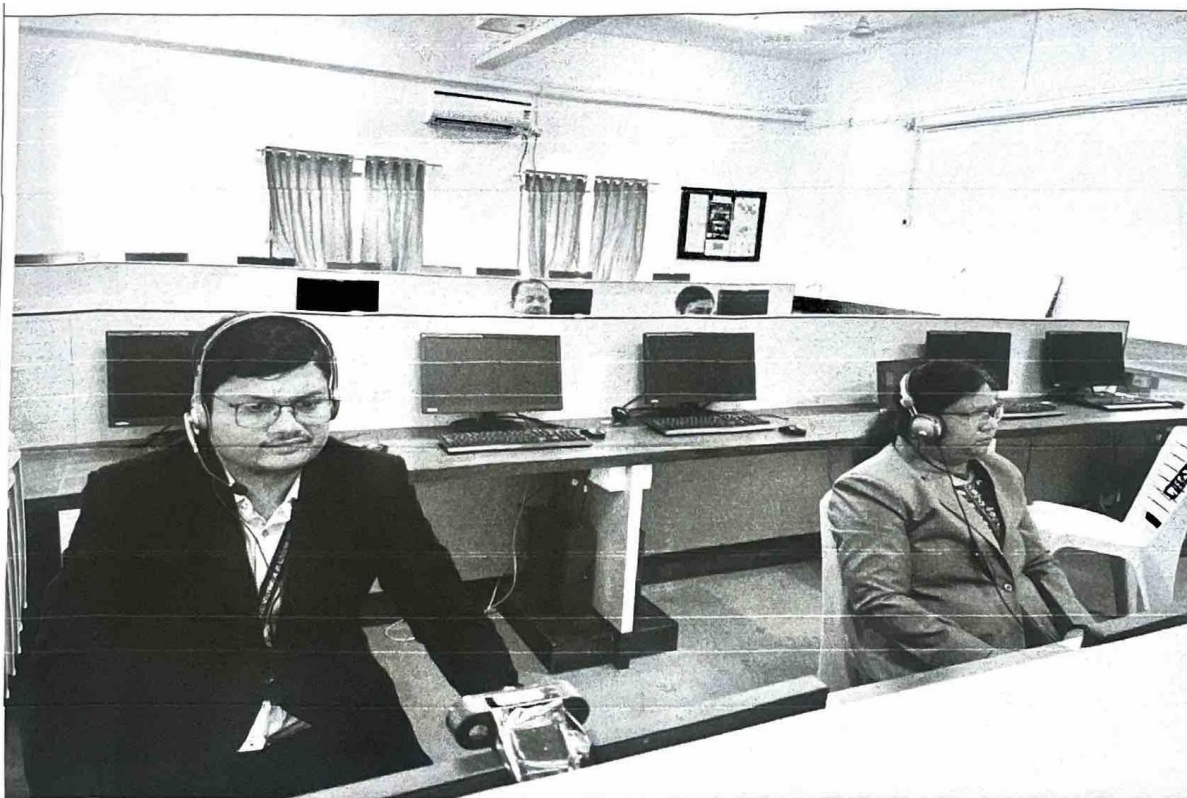


Session Chair & Session Coordinator

Summary of paper presentation

Sr. No	Name of Session/Track	Paper ID	Best Paper Title	Name of Presenter
1	Special Session Session-13	ss_08_11	Vision-Based Autonomous Drone Navigation Using Deep Reinforcement Learning	Jubair Nadaf

Session- 14	
Track- Smart Computing	I Session Chair: Mr. Siddhant Jadhav
Day: Thursday	Date: 12/03/2026 I Time: 10.00am to 12.00am
Session Coordinators- 1. Dr. Prashant Balasaheb Wakhare 2. Mrs. Meera Sambhaji Sawalkar	Link- https://tinyurl.com/ESCI-2026-Day-2-Sess-14-SC
Abstract of Session/keynote/Special session/tutorial -	
<p>Technical Oral Presentation Session 14: Smart Computing was successfully conducted on the 2nd day of 8th IEEE International Conference on Emerging Smart Computing and Informatics (ESCI 2026): 12th March 2026 at 10.00am to 12.00pm. Total 10 Papers were presented in this session.</p> <p>Paper ID 1167 : AI For Unspoken Feedback: A Browser-Extension Architecture for Real-Time Learner-Engagement Analytics in Massive Online Classrooms Paper ID 3764:Complex-Valued Deep Neural Architectures for High-Frequency Financial Signal Processing in the Spectral Domain Paper ID 3847: CMEF-Net: A Hierarchical Cross-Modality Fusion Framework for Deep Multimodal Emotion Recognition Paper ID 4054: UPI CryptoConnect: Unifying Fiat and Crypto for Seamless Digital Payments</p> <p>Paper ID 3939: A Multilingual Transformer-Based Approach for Sarcasm Detection and Sentiment Analysis in Hindi-Marathi Social Media Paper ID 4119: Multimodal Data Fusion and Ensemble Learning for Objective Attention-Deficit/Hyperactivity Disorder (ADHD) Assessment Paper ID 3791: Explainable AI with Improved RNN Optimized Fruit Fly Algorithm Based Risk Prediction Model on Adjacent Building Induced by Deep Excavation Paper ID 3918: A Hybrid BERT-BiLSTM-DANN Framework for Multi-Source Domain Adaptation in Sentiment Analysis Paper ID 676: WatchGuard: A Real-Time Deep Learning Surveillance Framework Using YOLOv5 and Telegram Integration</p> <p>Paper ID 1181: Evolving NPCs: Leveraging AI to Create Reactive In-Game Characters</p>	



Sr. No	Name of Session/frack	Paper ID	Best Paper Title	Name of Presenter
1	Smart Computing Session-14	4119	Multimodal Data Fusion and Ensemble Learning for Objective Attention-Deficit/Hyperactivity Disorder (ADHD) Assessment	Mr. Nie Leander Delgado

Session-15		
Track – Internet of Things		Session Chair: Dr. Umesh Pawar, School of Computer Science & Engineering, Sandip University, Nashik
Day: Thursday	Date: 12/03/2026	Time: 10.00 am to 12.00 pm
Session Coordinators- 19. Dr. Badri N. Mohapatra 20. Ms.R.S.Meshram		Link- https://tinyurl.com/ESCI-2026-Day-2-Sess-15-IOT
<p>Abstract of Session/keynote/Special session/tutorial –</p> <p>Technical Oral Presentation Session 15: Internet of Things was successfully conducted on the 2st day of 8th IEEE International Conference on Emerging Smart Computing and Informatics (ESCI 2026): 12th March 2026.</p> <p>Total 7 Papers were presented in this session.</p> <p>Paper ID: 33: EcoMate - Your Partner In Smart Waste Management</p> <p>Paper ID:64: Federated Multi-Dataset Learning Framework for Smart Agricultural IoT Networks: A Simulation-Based Study</p> <p>Paper ID:187: An Edge-AI and IoT Enabled Approach for Regular Student Mental Health Assessment at Campus Entrances for Violence Prevention</p> <p>Paper ID: 207: Sustainable Poultry Farming at the Edge: AI-Driven IoT Solutions for Health and Productivity Optimization</p> <p>Paper ID:1276: Framework for a Hybrid McEliece–HQC Cryptosystem for Compact Public Keys and Efficient Decapsulation</p>		

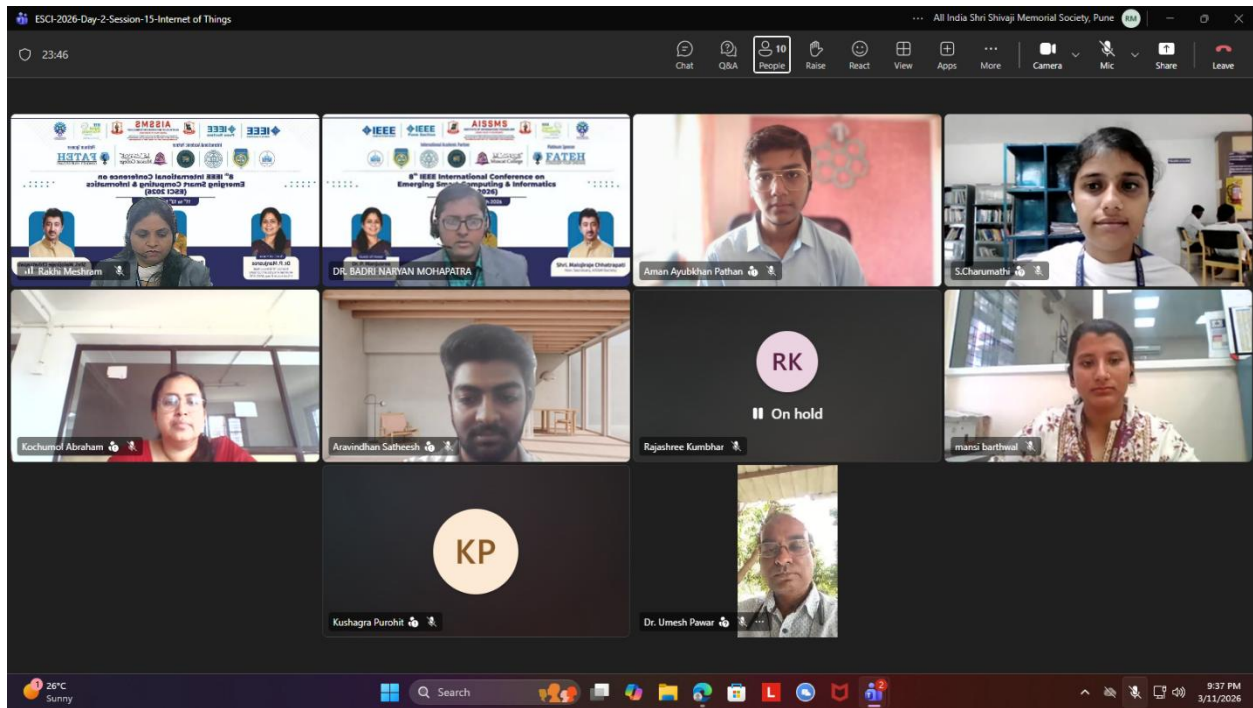
Paper ID:215: Empirical analysis of classical and quantum models for intrusion detection on packet capture data.

Paper ID:530: Waysole – Smart Shoe for Safer Mobility of The Visually Impaired

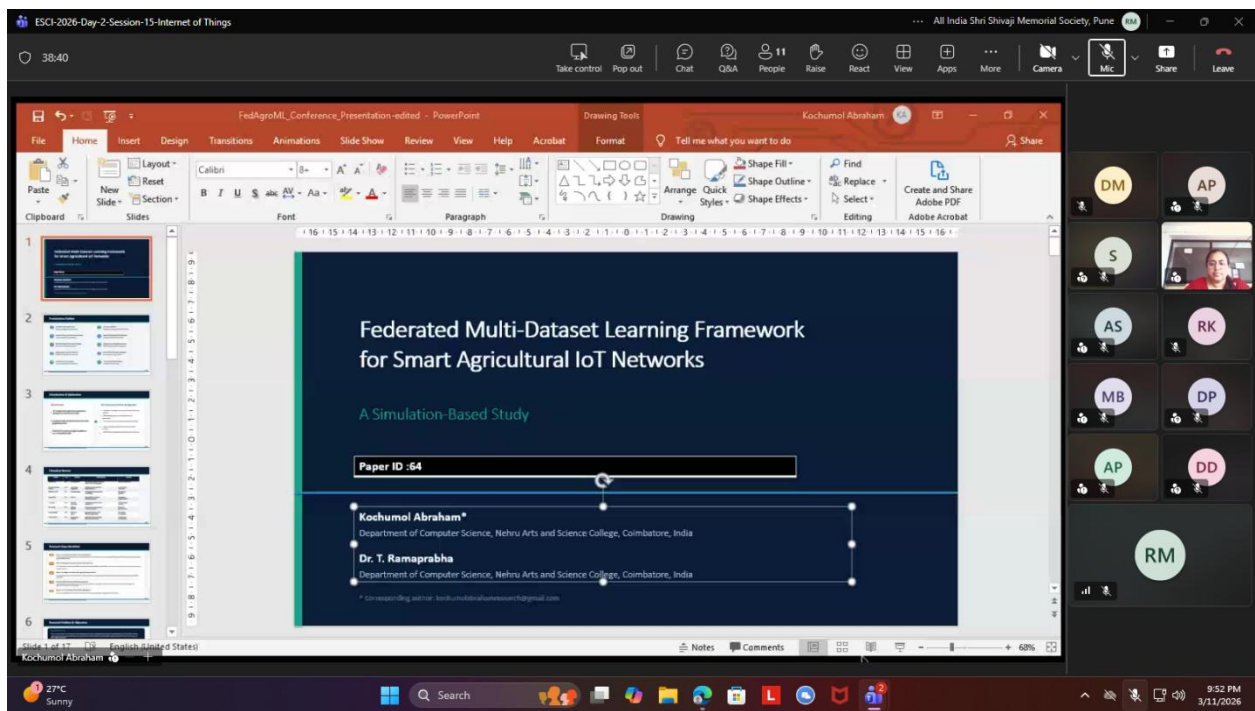
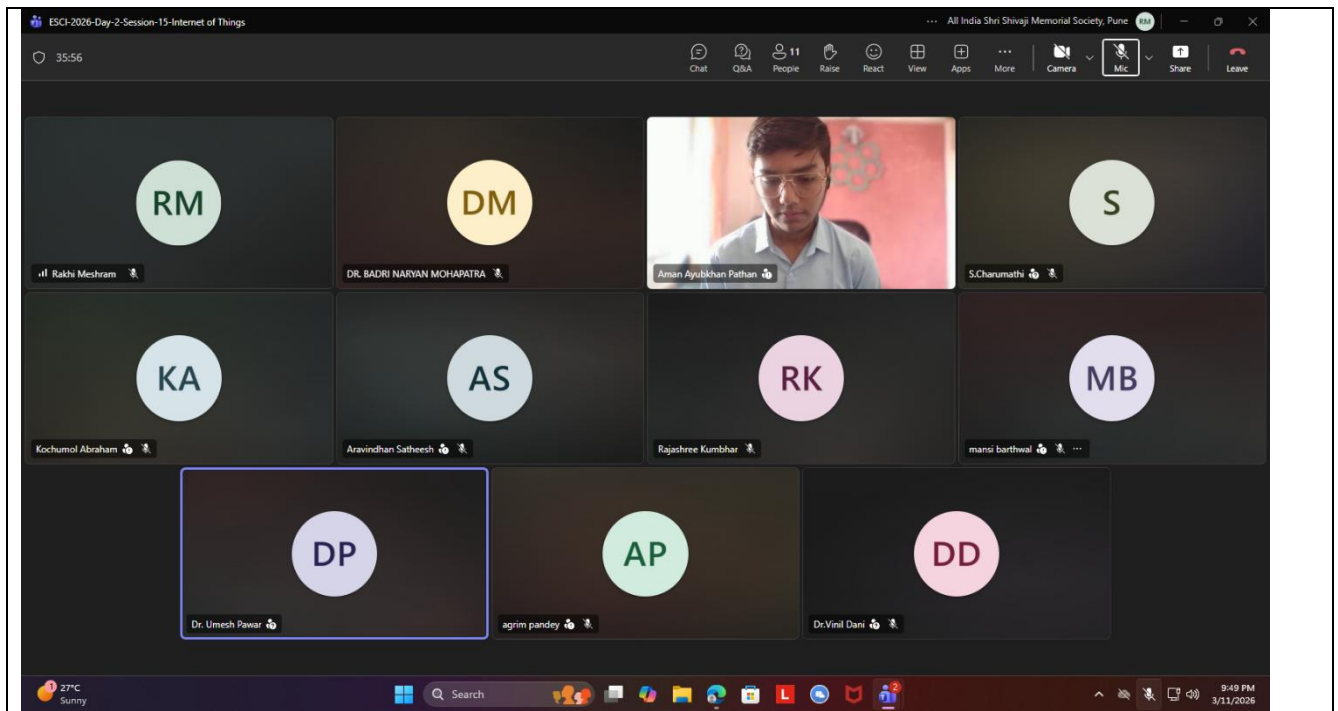
Session Chair Dr. Umesh Pawar evaluated the papers based on the parameters: Presentation Quality, Research Contents, Depth of Understanding of subject, Effectiveness, Time Management.

At the end of session, Session Chair conveyed the Best Paper Title.

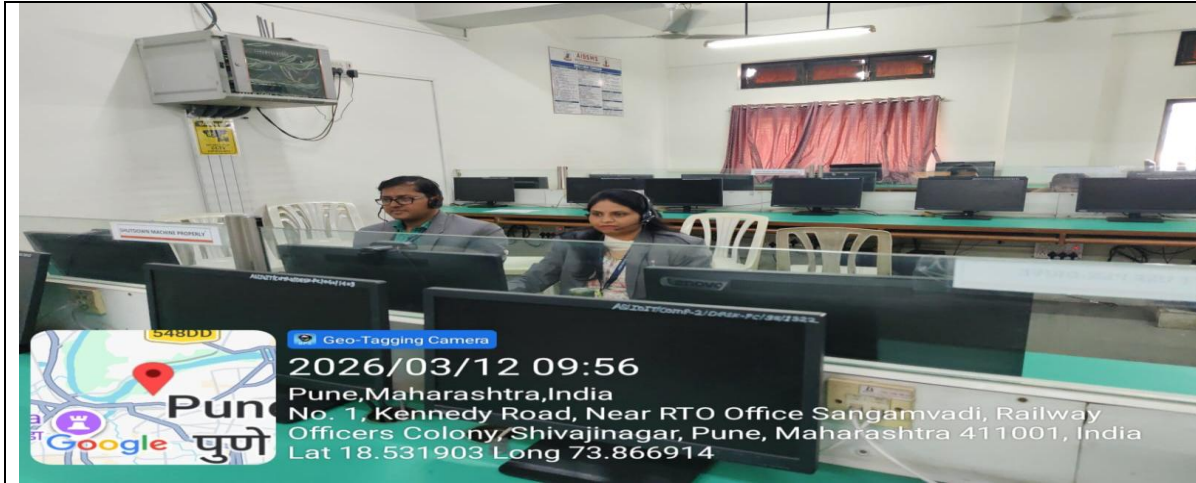
Total no. of Participants- 11



Group Photo



Author Presentatio



Session Chair & Session Coordinator

Summary of paper presentation

Sr. No	Name of Session/Track	Paper ID	Best Paper Title	Name of Presenter
1	Internet of Things Session-15	512	Empirical analysis of classical and quantum models for intrusion detection on packet capture data.	Agrim Pandey

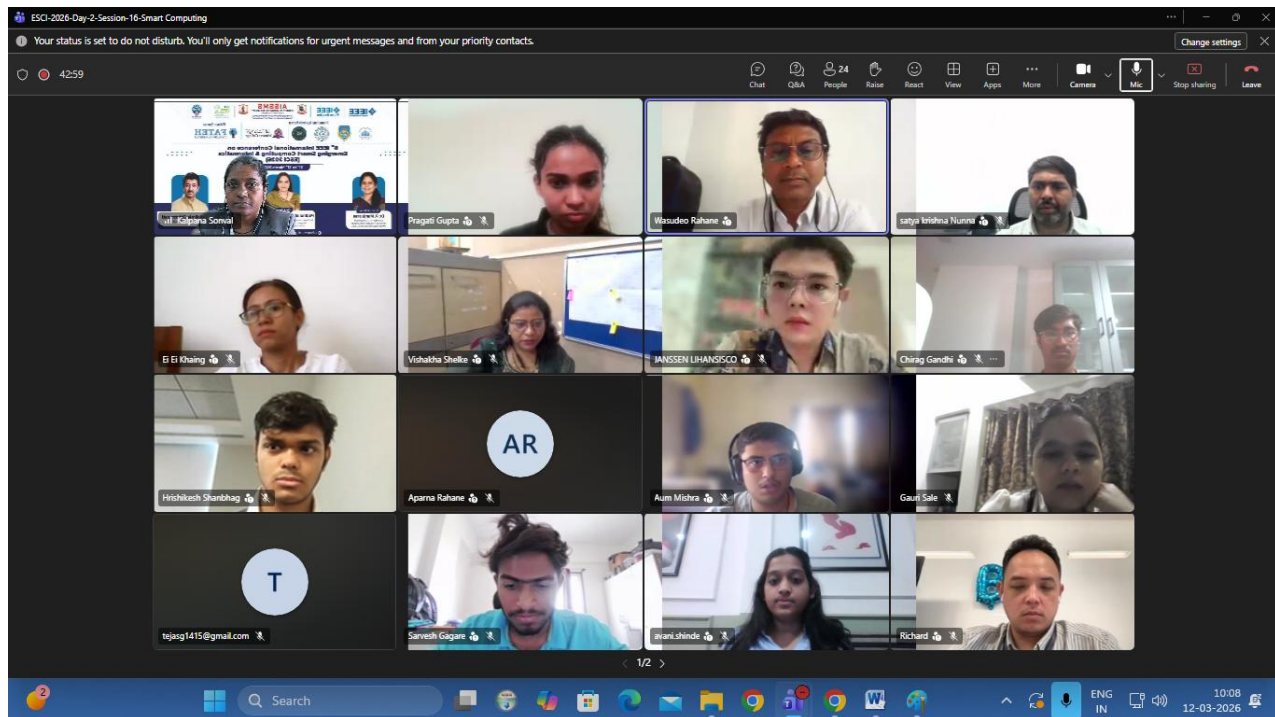
Session-16		
Track – Smart Computing	External Session Chair: Dr. Vishakha M. Shelke Assistant Professor at Dwarkadas J. Sanghvi College of Engineering, Vile Parle, Mumbai.	
Day: Thursday	Date: 12/03/2026	Time: 10:00 a.m. to 12.00 p.m.

<p>Session Coordinators-</p> <p>21. Dr. Amrapali Shivaji Chavan</p> <p>22. Mrs. Kalpana Dipak Sonval</p>	<p>Link- https://tinyurl.com/ESCI-2026-Day-2-Sess-16-SC</p> <p>Meeting ID: 462 729 543 715 67 Passcode: nw9KJ955</p>
<p>Abstract of Session/keynote/Special session/tutorial –</p> <p>Technical Oral Presentation Session 16:Smart Computing was successfully conducted on the 2nd day of 8th IEEE International Conference on Emerging Smart Computing and Informatics (ESCI 2026): 12th March 2026.</p> <p>Total 10 Papers were presented in this session.</p> <ol style="list-style-type: none"> 1. Paper ID: 3307: Intelligent Automation System for Multi-Format Document Processing. 2. Paper ID: 924: An Efficient Replica Management: A Workflow Scheduling approach in Cloud Environment. 3. Paper ID 1050: HashEasy: A User-Centric GUI for Cryptographic Hashing and Performance Benchmarking. 4. Paper ID 3815: EVENTO: A Comprehensive Full-Stack Event Management System for Educational Institution. 5. Paper ID: 477: Integrating Facial Feature Extraction and Machine Learning for Human Sentiment Detection. 6. Paper ID: 1867. Blockchain-Enabled Secure and Privacy-Preserving E-Health System EHR Sharing Framework. 7. Paper ID 1895: A Multi-Layered Hybrid Framework for Robust Source Code Plagiarism Detection. 8. Paper ID 1785: AI-Driven Complaint Management System : An Automated Framework for Prioritizing, Tracking, and Resolving Public Service Complaints Efficiently. 9. Paper ID 2037: Comparative Evaluation of Deep Learning Architectures for Fake News Detection. 10. Paper ID 1704: AlexNet–LSTM -SVM Hybrid Architecture for Lung Disease Classification. 	

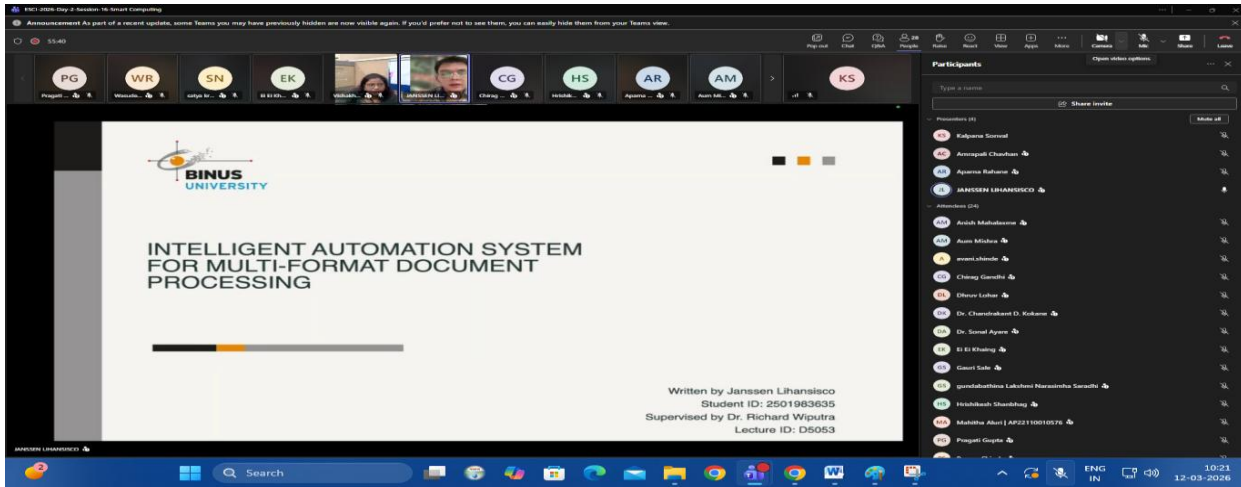
Session Chair Dr. Vishakha Shelke evaluated the papers based on the parameters: Presentation Quality, Research Contents, Depth of Understanding of subject, Effectiveness, Time Management.

At the end of session, Session Chair conveyed the Best Paper Title.

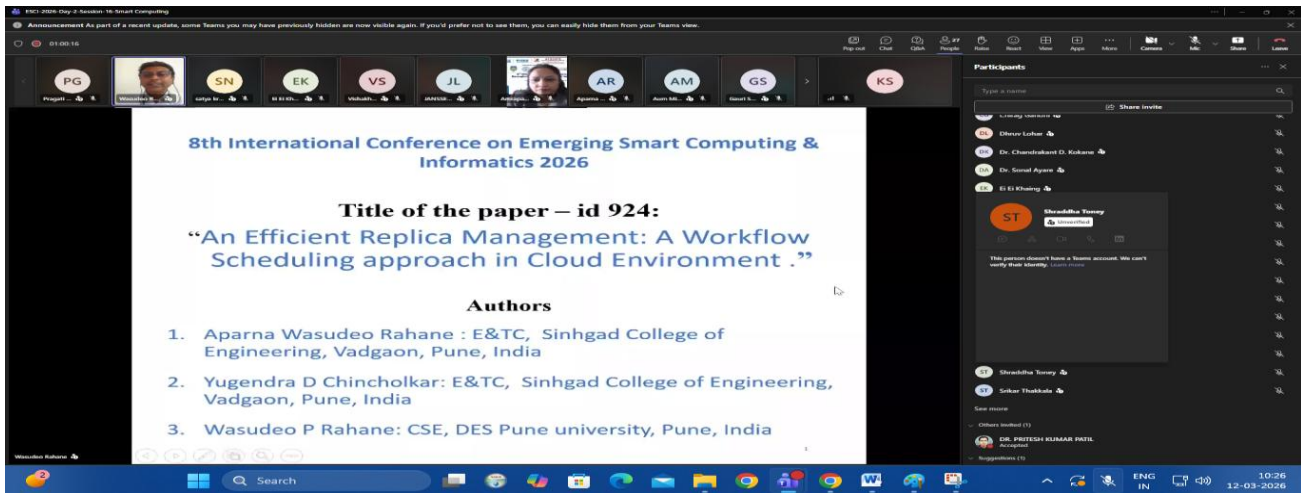
Total no. of Participants- 30



Group Photo



3307: Intelligent Automation System for Multi-Format Document Processing.



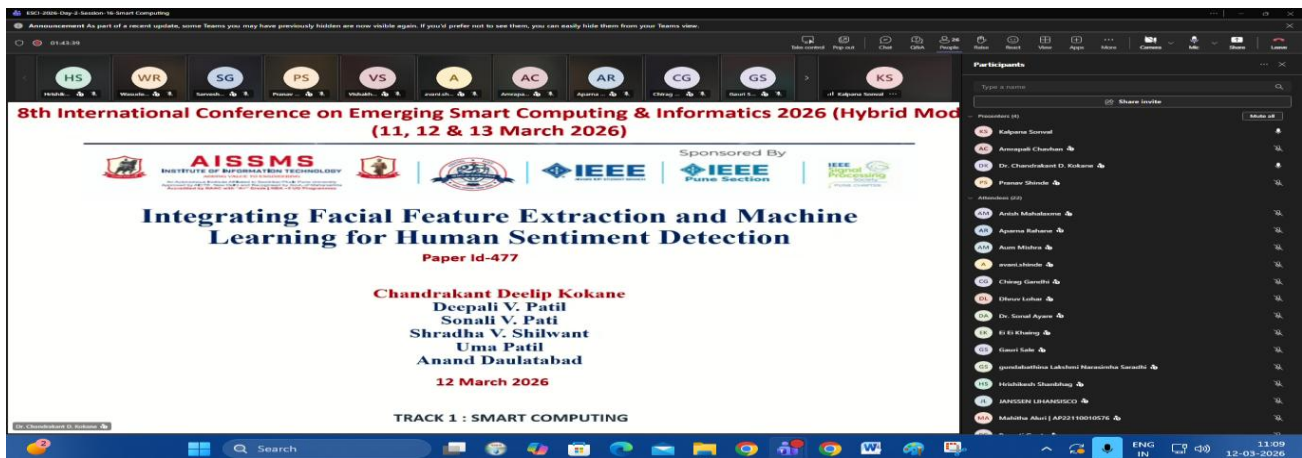
924: An Efficient Replica Management: A Workflow Scheduling approach in Cloud Environment.



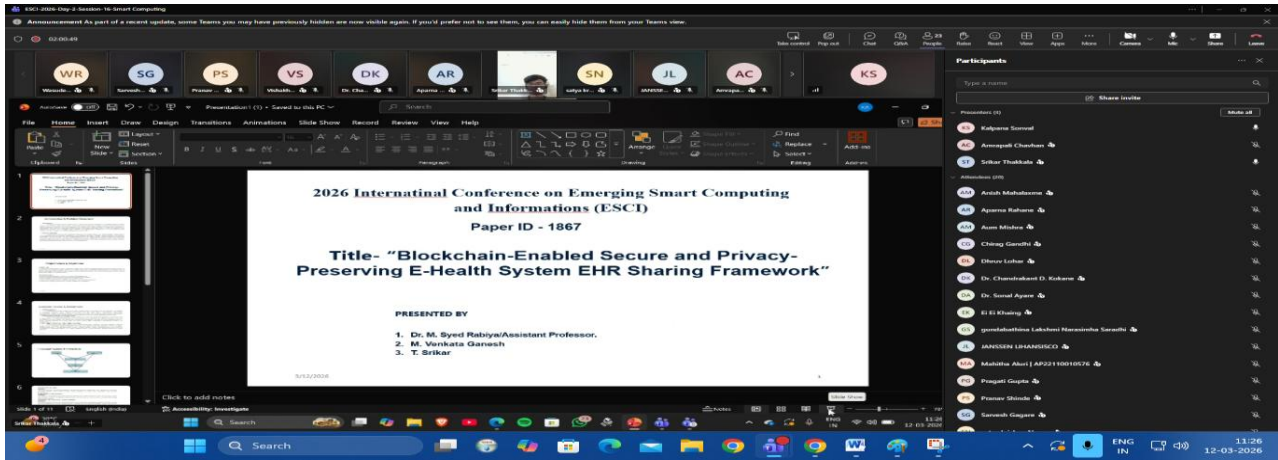
1050: HashEasy: A User-Centric GUI for Cryptographic Hashing and Performance Benchmarking.



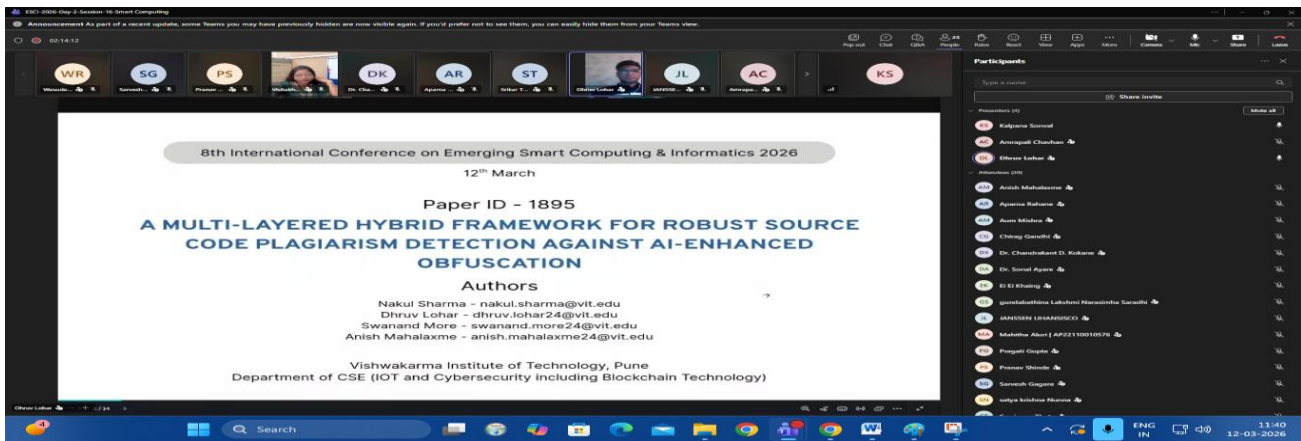
3815: EVENTO: A Comprehensive Full-Stack Event Management System for Educational Institution.



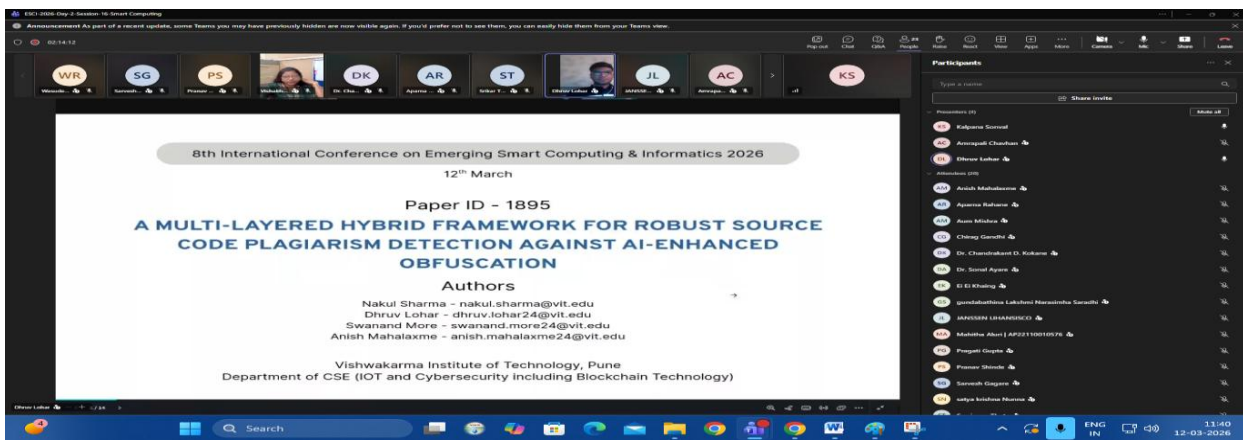
477: Integrating Facial Feature Extraction and Machine Learning for Human Sentiment Detection.



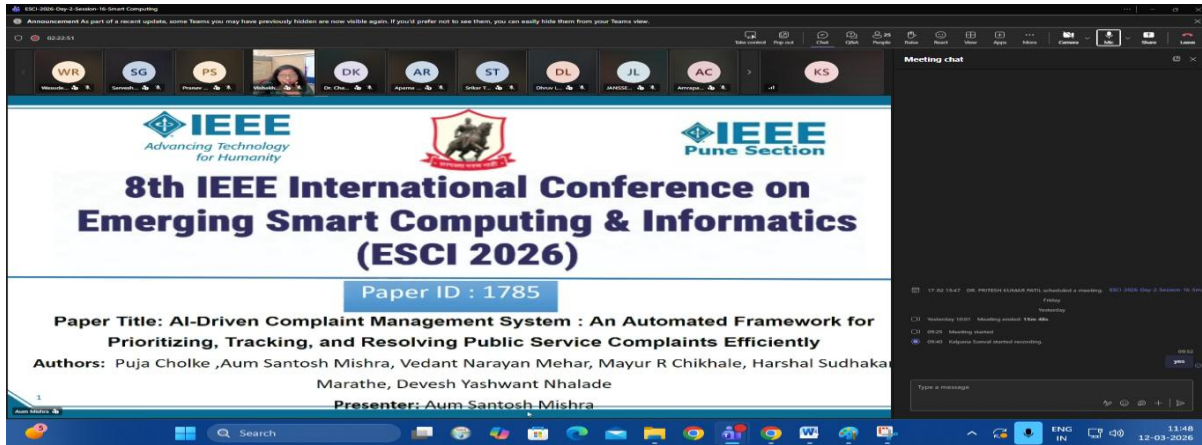
1867. Blockchain-Enabled Secure and Privacy-Preserving E-Health System EHR Sharing Framework



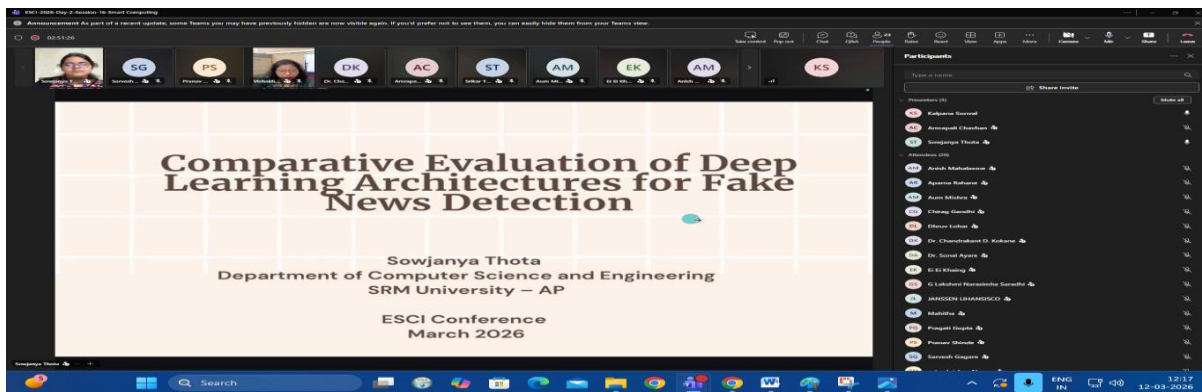
1895: A Multi-Layered Hybrid Framework for Robust Source Code Plagiarism Detection.



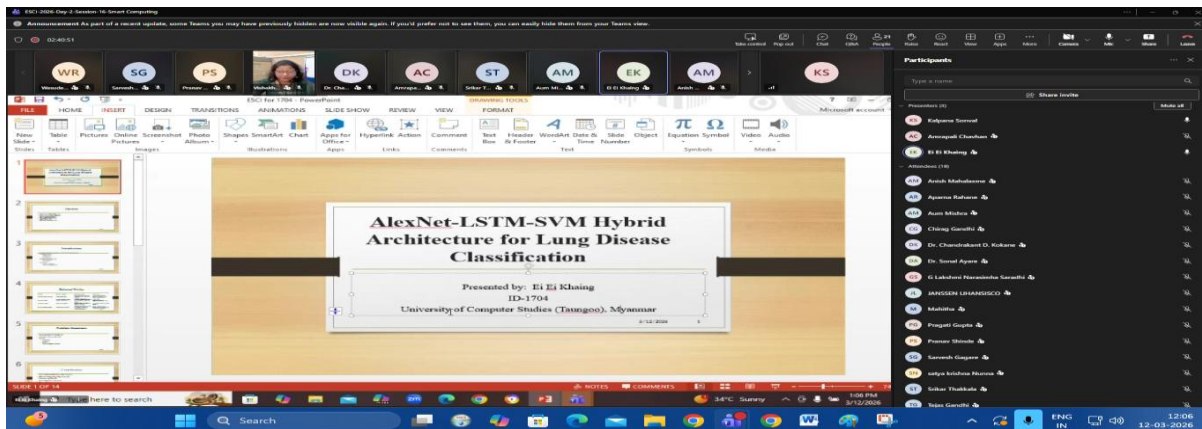
1895: A Multi-Layered Hybrid Framework for Robust Source Code Plagiarism Detection.



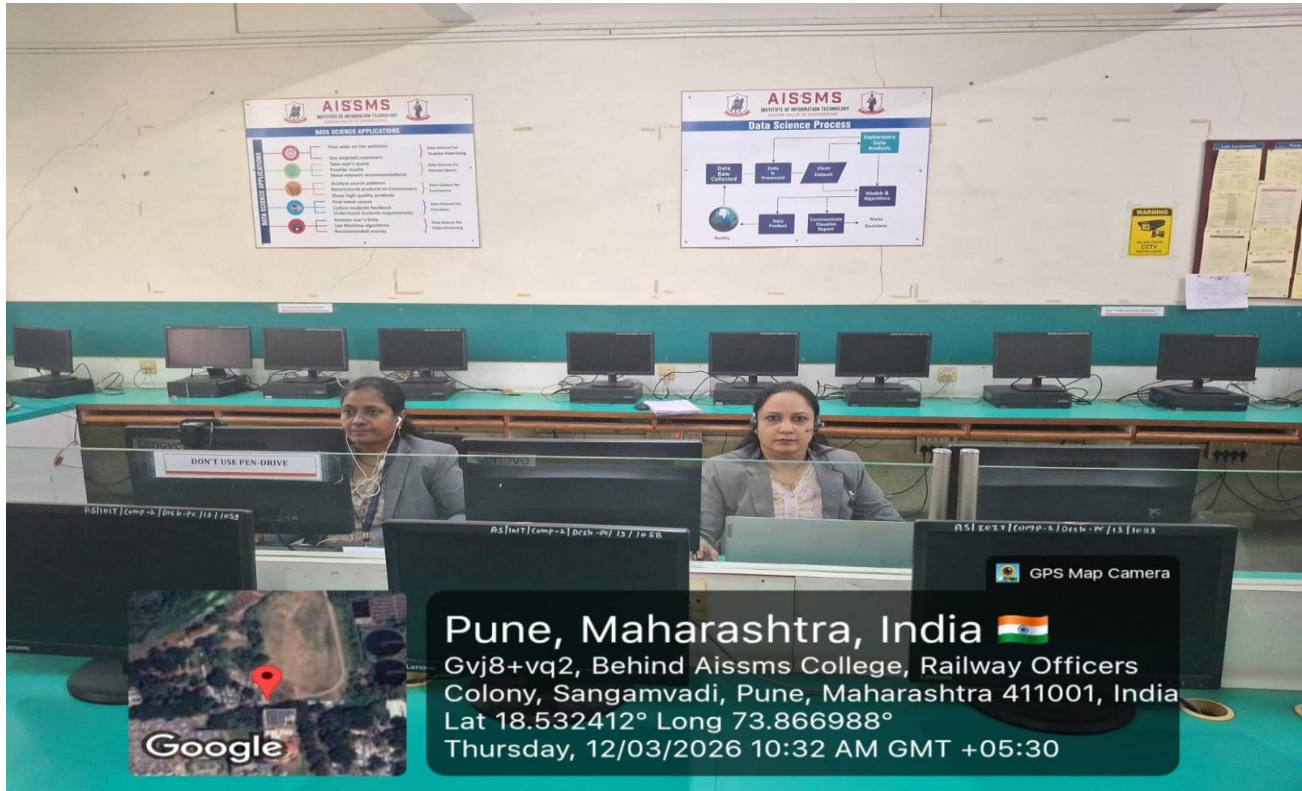
1785: AI-Driven Complaint Management System : An Automated Framework for Prioritizing, Tracking, and Resolving Public Service Complaints Efficiently.



2037: Comparative Evaluation of Deep Learning Architectures for Fake News Detection.



1704: AlexNet–LSTM -SVM Hybrid Architecture for Lung Disease Classification.



Session Chair & Session Coordinator

Summary of paper presentation

Sr. No	Name of Session/Track	Paper ID	Best Paper Title	Name of Presenter
1	Smart Computing Session-16	1785	AI-Driven Complaint Management System : An Automated Framework for Prioritizing, Tracking, and Resolving Public Service Complaints Efficiently	Aum Mishra

Session-17		
Track - Image & Signal Processing	Session Chair: 1. Dr. Shailesh Hambarde, JSPS's Jayawantroa Sawant College of Engineering, Pune 2. Dr. Pritesh Kumar Patil, AISSMS's Institute of Information technology, Pune	
Day: Thursday	Date: 12/03/2026	Time: 10.00 am to 12.00 pm
Session Coordinator- 23. Mr. Hemant P. Chaudhari	Link- https://tinyurl.com/ESCI-2026-DAY-2-Sess-17-ISP	
Abstract of Session		
<p>Technical Oral Presentation Session 17: Image & Signal Processing was successfully conducted on the 2nd day of 8th IEEE International Conference on Emerging Smart Computing and Informatics (ESCI-2026): 12th March 2026.</p> <p>Total 9 Papers were presented in this session. Following is the list of papers presented in this session.</p>		
Sr. No	Paper ID	Title of Paper
1	660	Hybrid Deep Machine learning framework for soyabean seed classification and quality assessment
2	1960	A multi-path Hybrid deep learning framework integrating CNN and Transformer Architectures for Robu
3	1244	A Hybrid deep learning architecture for automatic identification of diabetic foot ulcers from clinical thermal images
4	3203	Low power embedded IoT system for smart health and vital signs tracking
5	2038	Capsule Driven spatial reasoning and trigonometric feature encoding for interpretable mammographic C
6	2056	From sketch to suspect: High fidelity forensic face synthesis with biometric identity preservation
7	3971	Multistage transfer learning with deep CNN backbones for five class diabetic retinopathy grading

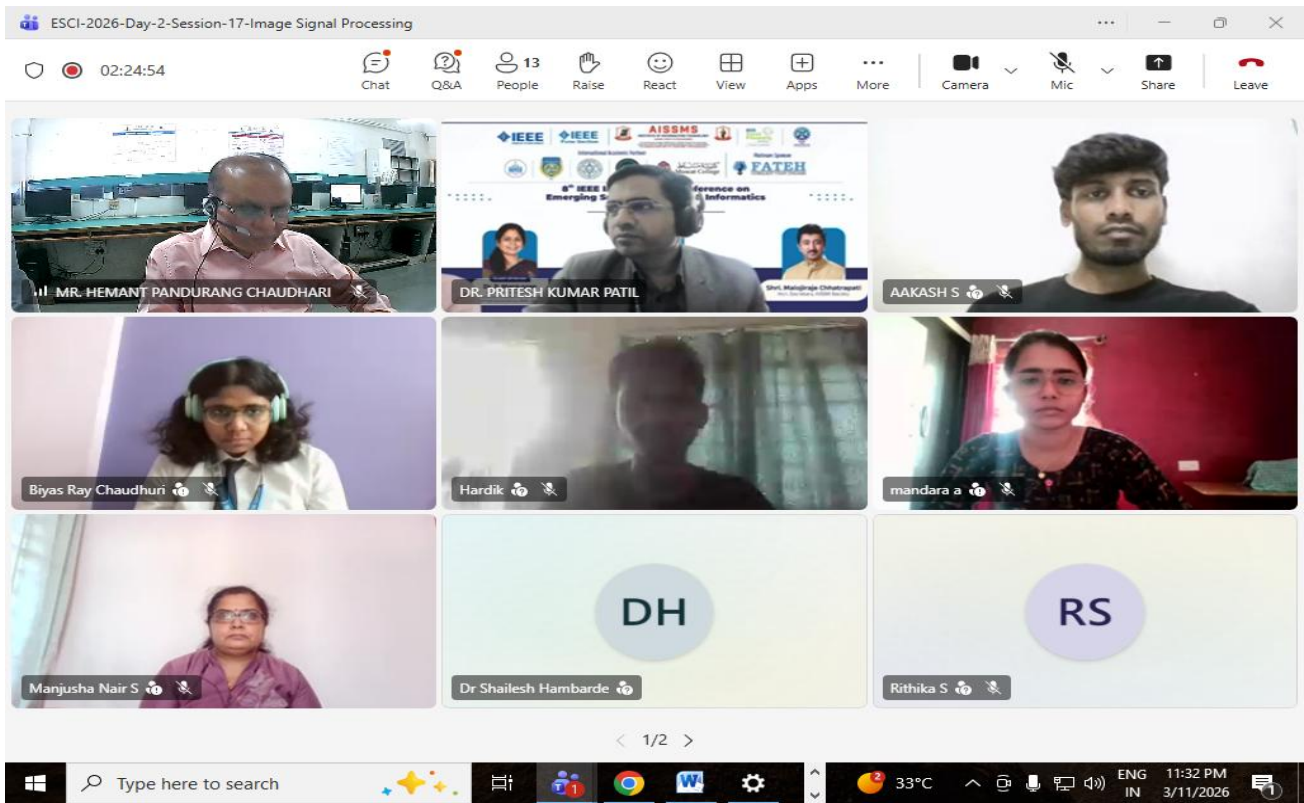
8	4066	Cancellable and revocable cryptographic key generation from WASOA fused multi modal biometric feature
9	1838	CrowdGaurd Smart crowd density detection and alert system

Session Chair Dr. Shailesh Hambarde evaluated the papers based on the parameters such as Presentation Quality, Research Contents, Depth of Understanding of subject, Effectiveness, Time Management.

At the end of session, Session Chair conveyed the Best Paper Title.

Total no. of Participants- 12

Session Group Photo:



1st presentation photo:

The screenshot shows a Zoom meeting interface. At the top, the meeting title is "ESCI-2026-Day-2-Session-17-Image Signal Processing" and the time is 38:45. The top toolbar includes icons for Pop out, Chat, Q&A, People (14), Raise, React, View, Apps, More, Camera, Mic, Share, and Leave. Below the toolbar, there are four video thumbnails: the first is muted, the second is labeled "AS", the third is labeled "F", and the fourth is muted. The main content area displays a presentation slide with the following text:

Hybrid Deep-Machine Learning Framework for Soybean Seed Classification and Quality Assessment

Presented by
Dr.D.Ferlin Deva Shahila /Asso.Prof
Department of ECE

Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Chennai
Paper ID-660

At the bottom of the slide, it says "Share this meeting" with a "Free sharing" button and "100" next to it. Below the slide, there is a chat input field with the name "ferlin". On the right side, the "Participants" panel is open, showing a search bar, a "Share invite" button, and a list of participants:

- Presenters (4):
 - MC MR. HEMANT PANDURANG CHAU...
 - DH Dr Shailesh Hambarde
 - DR, PRITESH KUMAR PATIL Organizer
 - F ferlin
- Attendees (10):
 - AS AAKASH S
 - BS BIVINRAJ S
 - BC Biyas Ray Chaudhuri
 - HB Hardik Bawanthade

The Windows taskbar at the bottom shows the search bar, taskbar icons, system tray with 27°C, and date/time 9:46 PM 3/11/2026.

2nd Presentation photo:

ESCI-2026-Day-2-Session-17-Image Signal Processing

41:28

Pop out Chat Q&A People Raise React View Apps More Camera Mic Share Leave

AS F MA MT RS BC

MPHD-FER: A Multi-Path Hybrid Deep Learning Architecture Integrating CNNs and Transformers for Facial Emotion Recognition

Paper ID : 1960

PRESENTED BY

- RITHIKA S
Kongu Engineering College, Erode
- S. SHANTHI
Kongu Engineering College, Erode
- P. JAGANATHAN
PSNA College of Engineering & Technology, Dindigul
- N. KARTHIKEYAN
Government College of Engineering, Sengipatti

GUIDED BY

- Dr. S. Shanthi
Professor, Department of CSE
Kongu Engineering College, Erode

Rithika S

27°C 9:48 PM 3/11/2026

3rd Presentation Photo:

ESCI-2026-Day-2-Session-17-Image Signal Processing

56:25

Take control Pop out Chat Q&A People Raise React View Apps More Camera Mic Share Leave

RS MT BC VP HB

ESCI 2026 - AISSMS IOIT PUNE

A Hybrid Deep Learning Architecture for Automatic Identification of Diabetic Foot Ulcers from Clinical Thermal Images

Paper ID: 1244

Presented by;
Vytheeswar P
Manipal Institute of Technology
Manipal Academy of Higher Education

Vytheeswar P

26°C 10:03 PM 3/11/2026

4th Presentation Photo:

The image shows a Zoom meeting window titled "ESCI-2026-Day-2-Session-17-Image Signal Processing". The meeting duration is 01:11:02. The top toolbar includes icons for Take control, Pop out, Chat, Q&A, People (11), Raise, React, View, More, Camera, Mic, Share, and Leave. The main content area displays a presentation slide with the following text:

Low-Power Embedded IoT System for Smart Health and Vital Signs Tracking

M. Sowmiya Manoj | Aakash S | Bivinraj S Paper id : 3203

Department of Electronics and Communication Engineering
Saveetha Engineering College, Chennai, India

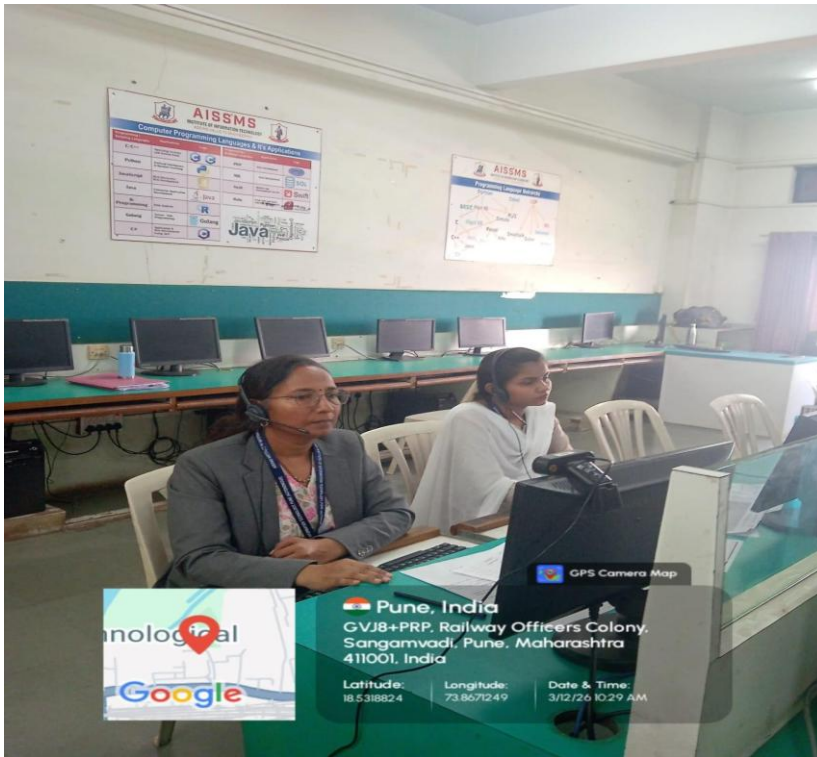
Keywords: IoT - Vital Signs Monitoring - ESP32 - MAX30102 - DS18B20 - Low-Power Embedded System - Remote Healthcare

At the bottom of the Zoom window, the name "AAKASH S" is visible in a small box. The Windows taskbar at the very bottom shows the search bar, taskbar icons for File Explorer, Chrome, Word, and Settings, and system tray information including 28°C, ENG IN, and the date 3/11/2026.

Summary of paper presentation

Sr. No	Name of Session/Track	Paper ID	Best Paper Title	Name of Presenter
1	Image & Signal Processing Session-17	660	Hybrid Deep Machine learning framework for soyabean seed classification and quality assessment.	Dr. D. Ferlin Deva Shahila

Session-18		
Track - Image & Signal Processing		Session Chair: Dr. Amrita Ruperee Vidyavardhini college of Engineering and Technology,
Day: Thursday	Date: 12/03/2026	Time: 10.00 am to 12.00 pm
Session Coordinators- 1. Dr. Minal Prashant Nerkar 2. Ms. Vishakha Mohan Dilpak		Link- https://tinyurl.com/ESCI-2026-Day-2-Sess-18-ISP
Abstract of Session/keynote/Special session/tutorial –		
<p>Technical Oral Presentation Session 18: Image & Signal Processing was successfully conducted on the 2nd day of 8th IEEE International Conference on Emerging Smart Computing and Informatics (ESCI 2025): 12th March 2026.</p> <p>Total 9 Papers were presented in this session.</p> <p>Paper ID: 2032: CNN-Mamba Hybrid Model for OCT-Based Diabetic Retinopathy Classification: A Quantitative XAI Comparison</p> <p>Paper ID:1326 : AI Assisted Biomedical Image Annotation Tool with Manual Correction Support Paper ID:2425: ENHANCING AIR POLLUTION DETECTION AND PREDICTION USING MACHINE LEARNING TECHNIQUES</p> <p>Paper ID:2798: Real-Time Indian Sign Language Recognition and Sentence Generation via CNN-LSTM and Agentic Semantic</p> <p>Paper ID: 1493 Detectify A Multimodal Deepfake Detection Framework Using Text and Image Analysis</p> <p>Paper ID:2053 : Reconfigurable Quantum - Inspired Approximate Multiplier</p> <p>Paper ID:3280 :Explainable AI for Tamil Nadu Political News: Balancing Accuracy and Interpretability in Real-Time Regional Political Sentiment Analysis</p> <p>Paper ID:2074 Beatless: A Deep Learning Approach For Percussive Removal In Music</p> <p>Paper ID:1180 Robust Deep Learning Architecture for Cross-Cultural Facial Emotion Recognition in Unconstrained Environments</p>		



Take control Pop out Chat Q&A People Raise React View More Camera Mic Share Leave

Recording and transcription
Started by you. Let everyone know they're being included. [Privacy policy](#)

8th IEEE International Conference on Emerging Smart Computing & Informatics

AI Assisted Biomedical Image Annotation Tool with Manual Correction Support

Muralidharan C
Niranjana Arutnambi
Johnsi S
Rajalakshmi Engineering College, Chennai,
Tamil Nadu, India

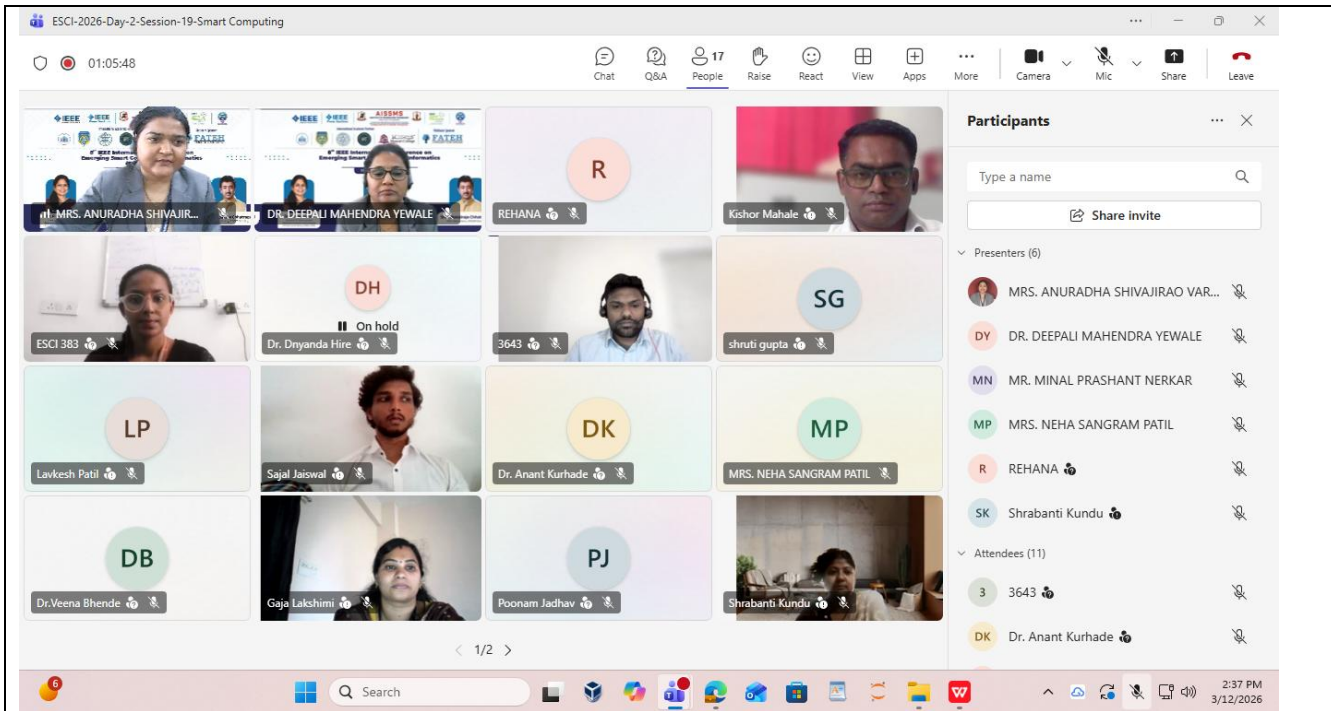
RAJALAKSHMI ENGINEERING COLLEGE

Session Chair- Dr.Minal P.Nerkar & Session Coordinator-Ms.Vishakha M.Dilpak

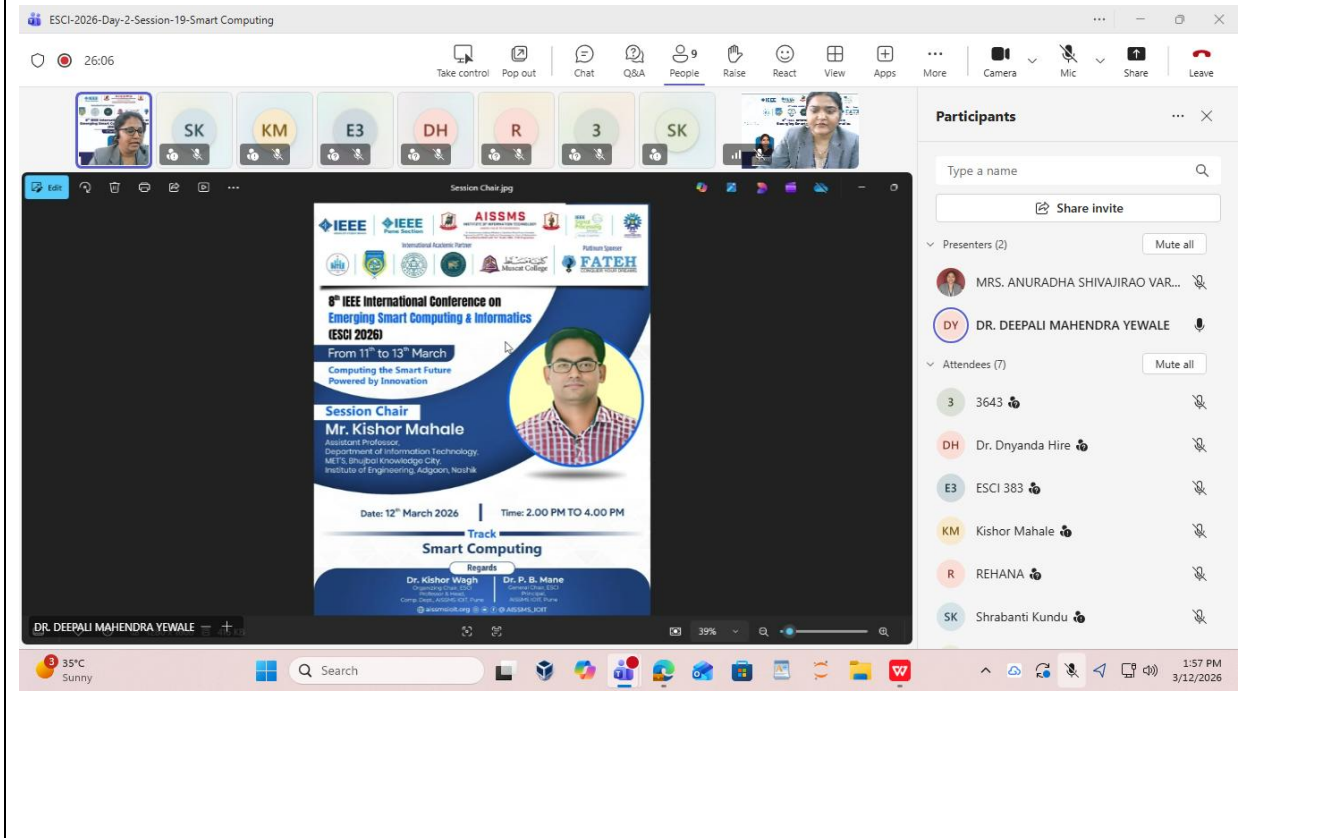
Summary of paper presentation

Sr. No	Name of Session/Track	Paper ID	Best Paper Title	Name of Presenter
1	Image & Signal Processing Session-18	2425	ENHANCING AIR POLLUTION DETECTION AND PREDICTION USING MACHINE LEARNING TECHNIQUES	Kishore V

Session-19		
Track - Smart Computing		Session Chair: Dr. Kishor Mahale,METS Bhujbal Knowledge City
Day: Thursday	Date: 12/03/2026	Time: 2.00 pm to 4.00 pm
Session Coordinators- 24. Dr. Deepali Mahendra Yewale 25. Ms.Anuradha Shivajirao Varal		Link- https://tinyurl.com/ESCI-2026-Day-2-Sess-19-SC
Abstract of Session/keynote/Special session/tutorial –		
<p>Technical Oral Presentation Session 19: Smart Computing was successfully conducted on the 2nd day of 8th IEEE International Conference on Emerging Smart Computing and Informatics (ESCI 2025): 12th March 2026.</p> <p>Total 09 Papers were presented in this session.</p> <ol style="list-style-type: none"> 1. 3737: Deep Generative Refinement and Spatial Attention Frameworks for Enhancing Early-Stage Diabetic Eye D 2. 1566: Evaluating the Hybrid Artificial Intelligence- Quantum Architecture (HAIQF): Performance Benchmarking Against Efficiency and Ethical- Technological Challenges 3. 3075: Hybrid Federated Reinforcement Learning Approach for Clinically-Aligned Personalized Diabetes Contro 4. 1483: Teaching and Learning through AI in Machine Learning Courses: A Constructivist Approach Using Techno 5. 383: Smart Compare AI Multi-Platform Intelligent Product Recommender with Visual Insights 6.1239: Network Traffic Determination by Clustering with PCA 7. 3643: ThreadWeaver: Plan-and-Restate Dialog over Ultra-Long Histories 8. 4005: MediSync: AI-Based Medical Report Analytics and Virtual Care System 9.515: Feature selection from Gene expression Microarray Alzheimerâ€™s disease (AD) Datasets using Binary Ele <p>At the end of session, Session Chair conveyed the Best Paper Title.</p>		
Total no. of Participants- 25		
Group Photo		



Session Chair Introduction



Author Presentation

ESCI-2026-Day-2-Session-19-Smart Computing

45:28

Pop out Chat Q&A People Raise React View Apps More Camera Mic Share Leave

Participants

Type a name

Share invite

Presenters (5)

- MRS. ANURADHA SHIVAJIRAO VAR...
- DR. DEEPALI MAHENDRA YEWALE
- MRS. NEHA SANGRAM PATIL
- REHANA**
- Smita Kulkarni

Attendees (13)

- 3643
- Dr. Anant Kurhade
- Dr. Bibhuprasad Sahu

File Home Insert Design Transitions Animations Slide Show Review View Recording Help

8th IEEE International Conference on Emerging Smart Computing & Informatics (11th, 12th, & 13th March 2026)

DEEP GENERATIVE REFINEMENT AND SPATIAL ATTENTION FRAMEWORKS FOR ENHANCING EARLY-STAGE DIABETIC EYE DISEASE IDENTIFICATION

Rehana Begum
Research Scholar, School of Computer Science & Artificial Intelligence,
SR University, Warangal, Telangana-506371, India
2403c50157@sr.u.edu.in
Paper ID:3737

Mohammed Ali Shaik
Associate Professor, School of Computer Science & Artificial Intelligence, SR University, Warangal, Telangana-506371, India
niharali@gmail.com

REHANA

Click to add notes

Search

2:16 PM 3/12/2026

Paper ID 3737

ESCI-2026-Day-2-Session-19-Smart Computing

01:06:56

Take control Pop out Chat Q&A People Raise React View Apps More Camera Mic Share Leave

Participants

Type a name

Share invite

Presenters (5)

- MRS. ANURADHA SHIVAJIRAO VAR...
- DR. DEEPALI MAHENDRA YEWALE
- MR. MINAL PRASHANT NERKAR
- MRS. NEHA SANGRAM PATIL
- Shrabanti Kundu**

Attendees (11)

- 3643
- Dr. Anant Kurhade
- Dr. Dnyanda Hire

Evaluating the Hybrid Artificial Intelligence-Quantum Architecture (HAIQF): Performance Benchmarking Against Efficiency and Ethical-Technological Challenges (Paper ID: 1566)

Shrabanti Kundu
Dept. of Computer Science and Engineering
MCKV Institute of Engineering, Howrah, India

Presented By:
Shrabanti Kundu
Dept. of Computer Science and Engineering
MCKV Institute of Engineering, Howrah, India

Utpal Ghosh*
Dept. of Computer Science
Sarojini Naidu College for Women, Kolkata, India

8th International Conference on Emerging Smart Computing and Informatics (ESCI)

Organised By:
AISSMS Institute of Information Technology, IEEE Pune Section, Pune, India

Shrabanti Kundu

Search

2:38 PM 3/12/2026

Paper ID 1566

The screenshot shows a Zoom meeting interface. At the top, the meeting title is "ESCI-2026-Day-2-Session-19-Smart Computing" and the time is 01:24:43. The toolbar includes icons for Take control, Pop out, Chat, Q&A, People (16), Raise, React, View, Apps, More, Camera, Mic, Share, and Leave. A "Unmute mic (Ctrl+Shift+M)" tooltip is visible. The participant gallery shows several icons, with "GL" highlighted. The main presentation slide features logos for IEEE, AISSMS INSTITUTE OF INFORMATION TECHNOLOGY (IIIT), and IEEE Pune Section. The slide text reads: "8th International Conference on Emerging Smart Computing & Informatics 2026 (Hybrid Mode) (11, 12 & 13 March 2026)", "Hybrid Federated Reinforcement Learning Approach for Clinically-Aligned Personalized Diabetes Control", "Paper ID: SC 3075", "S. Gajalakshmi", and "Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology Chennai". The bottom of the screen shows the Windows taskbar with the search bar and system tray.

Paper ID 3075

The screenshot shows a Zoom meeting interface. At the top, the meeting title is "ESCI-2026-Day-2-Session-19-Smart Computing" and the time is 29:26. The toolbar includes icons for Take control, Pop out, Chat, Q&A, People (12), Raise, React, View, Apps, More, Camera, Mic, Share, and Leave. The participant gallery shows several icons, with "SK" highlighted. The main presentation slide displays the text: "Paper Id: I483", "Teaching And Learning Through AI In Machine Learning Courses:A Constructivist Approach Using Technology-Assisted Collaborative Learning (TA CL)", "Authors", and "Dr. Smita S. Kulkarni , Dnyanda Hire". The bottom of the screen shows the Windows taskbar with the search bar and system tray.

Paper Id 1483

ESCI-2026-Day-2-Session-19-Smart Computing

01:34:28

Pop out Chat Q&A People 16 Raise React View Apps More Camera Mic Share Leave

Participants

Type a name

Share invite

Presenters (5) Mute all

- MRS. ANURADHA SHIVAJIRAO VAR...
- DR. DEEPALI MAHENDRA YEWALE
- ESCI 383
- MR. MINAL PRASHANT NERKAR
- MRS. NEHA SANGRAM PATIL

Attendees (11)

- 3643
- Dr. Anant Kurhade
- Dr. Bibhuprasad Sahu

IEEE ESCI 2026 Conference

Smart Compare AI Multi-Platform Intelligent Product Recommender with Visual Insights

PAPER ID : 383

Presented by:
B. Mani Samskruthi
manisamskruthi2@gmail.com
Malla Reddy Engineering College for Women

ESCI 383

6 Search

3:05 PM 3/12/2026

Paper Id 383

The screenshot shows a Zoom meeting interface. The main window displays a presentation slide titled "NETWORK TRAFFIC CLASSIFICATION" in large, bold, red letters. The slide also includes the text "USING K-MEANS CLUSTERING WITH PCA" and "MARCH 2026". The slide is presented by "Anant Kurhade & Team". The Zoom toolbar at the top shows 16 participants, with icons for Pop out, Chat, Q&A, People, Raise, React, View, Apps, More, Camera, Mic, Share, and Leave. The Participants panel on the right lists 6 presenters and 10 attendees, including MRS. ANURADHA SHIVAJIRAO VAR..., 3643, Dr. Anant Kurhade, Dr. Deepali Mahendra Yewale, Mr. Minal Prashant Nerkar, Tanvi, Chaitali Mali, and Dr. Bibhuprasad Sahu. The Windows taskbar at the bottom shows the time as 3:29 PM on 3/12/2026.

Paper Id 1239

The screenshot shows a Zoom meeting interface. The main window displays a presentation slide titled "ThreadWeaver: Plan-and-Restate Dialog over Ultra-Long Histories". The slide is presented by "Baddipadiga Praneeth Reddy" from "Valparaiso University" and "Sravani Ramineni" from "Purdue University". The Zoom toolbar at the top shows 14 participants, with icons for Take control, Pop out, Chat, Q&A, People, Raise, React, View, Apps, More, Camera, Mic, Share, and Leave. The Participants panel on the right lists 5 presenters and 10 attendees, including MRS. ANURADHA SHIVAJIRAO VAR..., 3643, Dr. Anant Kurhade, Dr. Deepali Mahendra Yewale, Mr. Minal Prashant Nerkar, Chaitalee Mali (Leaving...), Dr. Bibhuprasad Sahu, and Dr. Veena Bhende. The Windows taskbar at the bottom shows the time as 3:19 PM on 3/12/2026.

Paper Id 3643

ESCI-2026-Day-2-Session-19-Smart Computing

02:09:31

Take control Pop out Chat Q&A People 14 Raise React View Apps More Camera Mic Share Leave

Participants

Type a name

Share invite

Attendees (9)

- 3 3643
- DK Dr. Anant Kurhade
- DS Dr. Bibhuprasad Sahu
- DB Dr. Veena Bhende
- KM Kishor Mahale
- PJ Poonam Jadhav
- R REHANA
- SK Shrabanti Kundu
- SG shruti gupta

8th IEEE International Conference on Emerging Smart Computing & Informatics (ESCI)-2026.

MediSync: AI-Based Medical Report Analytics and Virtual Care System

Paper ID: 4005 Track: Smart Computing

Sajal Jaiswal, G H Raisoni College of Engineering and Management affiliated to Savitribai Phule Pune University, Pune
Lavkesh Patil, G H Raisoni College of Engineering and Management affiliated to Savitribai Phule Pune University, Pune
Rahul Borate, G H Raisoni College of Engineering and Management affiliated to Savitribai Phule Pune University, Pune
Shruti Gupta, G H Raisoni College of Engineering and Management affiliated to Savitribai Phule Pune University, Pune
Deepika Ajalkar, G H Raisoni College of Engineering and Management affiliated to Savitribai Phule Pune University, Pune

GHRAISONI COLLEGE
Engineering and Management Pune

Presented by:
Sajal Jaiswal

Sajal Jaiswal

3:40 PM 3/12/2026

Paper Id 4005

ESCI-2026-Day-2-Session-19-Smart Computing

02:18:11

Pop out Chat Q&A People 14 Raise React View Apps More Camera Mic Share Leave

Participants

Type a name

Share invite

Mute all

Presenters (6)

- MRS. ANURADHA SHIVAJIRAO VAR...
- DS Dr. Bibhuprasad Sahu
- DY DR. DEEPAI MAHENDRA YEWALE
- LP Lavkesh Patil
- MN MR. MINAL PRASHANT NERKAR
- SJ Sajal Jaiswal

Attendees (8)

- 3 3643
- DK Dr. Anant Kurhade

International Conference on Emerging Smart Computing and Informatics (ESCI-2026)

Bibhuprasad Sahu*, Amrutanshu Panigrahi, Abhilash Pati, Manoranjan Dash, Janmejaya Mishra, Chetan Aher

Paper ID - 515
Department of CSE
Symbiosis Institute of Technology, Hyderabad Campus (Symbiosis International University, Pune)
prasadnikhil176@gmail.com

Title: Feature selection from Gene expression Microarray Alzheimer's disease (AD) Datasets using Binary Election Optimizer with Deep mRMR

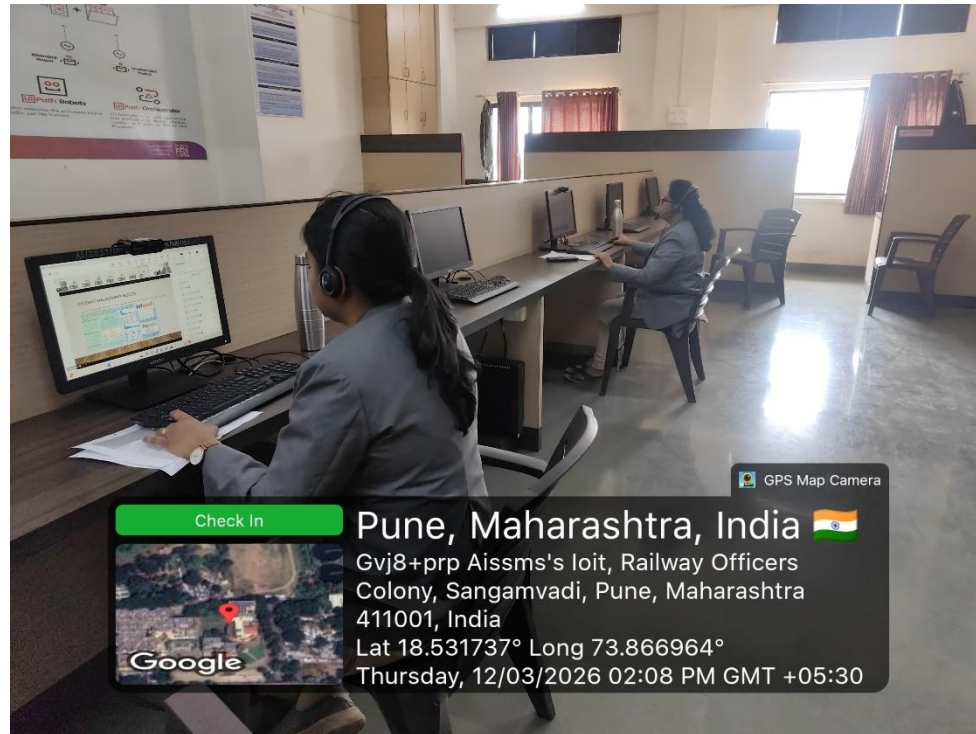
March 12, 2026

Dr. Bibhuprasad Sahu

3:49 PM 3/12/2026

Paper Id 515

Session Chair & Session Coordinator



Summary of paper presentation

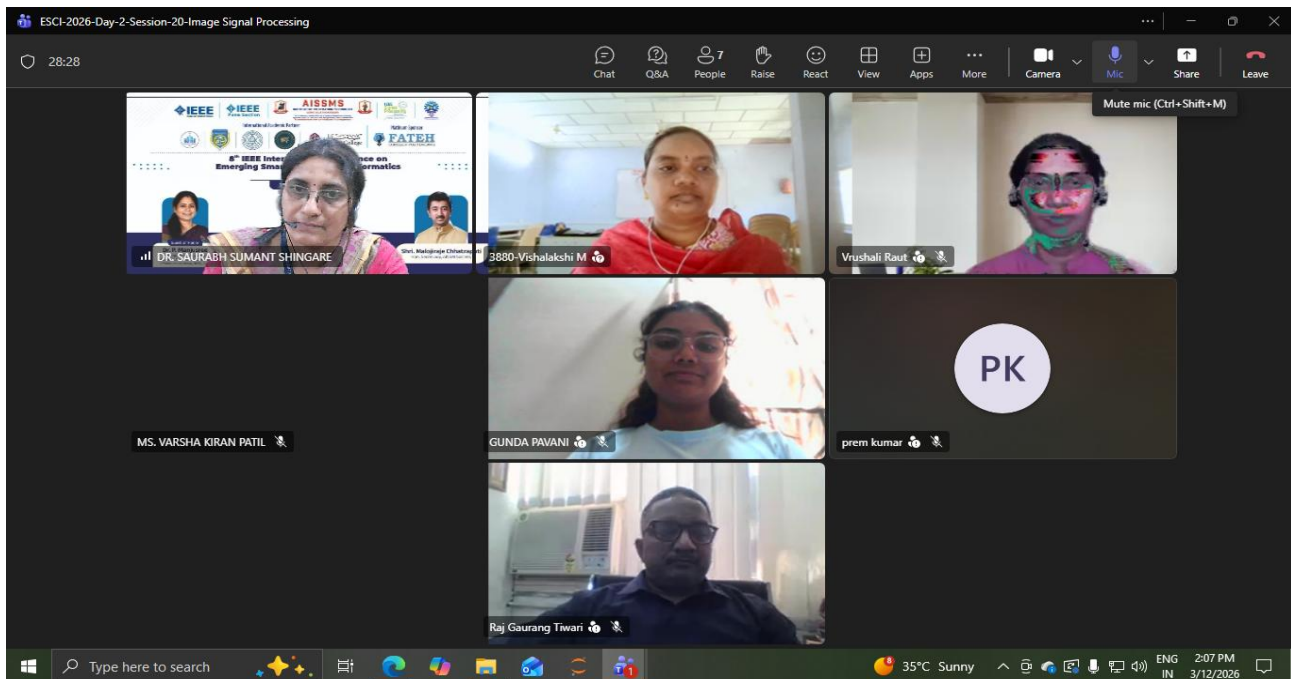
Sr. No	Name of Session/Track	Paper ID	Best Paper Title	Name of Presenter
1	Smart Computing Session-19	3643	ThreadWeaver: Plan-and-Restate Dialog over Ultra-Long Histories	Praneeth Reddy Baddiapdiga

Session-20		
Track - Image & Signal Processing		Session Chair: Dr. Vrushali Raut
Day: Thrusday	Date: 12/03/2026	Time: 2.00 pm to 4.00 pm
Session Coordinators- 26. Dr. Varsha Patil 27. Ms. Anuja Phapale		Link- https://tinyurl.com/ESCI-2026-Day-2-Sess-20-ISP
Abstract of Session/keynote/Special session/tutorial –		
<p>Technical Oral Presentation Session 20: Image & Signal Processing was successfully conducted on the 2nd day of 8th IEEE International Conference on Emerging Smart Computing and Informatics (ESCI 2026): 12th March 2026.</p> <p>Total 8 Papers were presented in this session.</p> <p>Paper ID: 2517: Watchtower AI: Real-Time Detection of Abnormal Events in Surveillance Videos</p> <p>Paper ID: 3880: An Optimized CNN&U-Net Framework for Kidney Segmentation in T2-Weighted MRI Scans</p> <p>Paper ID: 1298: Astro Acoustic Entrainment and Multilayer Physiological Modeling for Mantra Planet Correlation Studies & Analysis using Signal Processing Framework</p> <p>Paper ID: 2381: Spatial Modulation-based 3D Index OTFS System using IMMA for 6G Communication Systems</p> <p>Paper ID: 1168: CV-Based Water Bodies and Discharge Monitoring Using Satellite Imagery and Computer Vision</p> <p>Paper ID: 3055: Bark Texture Recognition for Indian Trees Using a Hybrid ConvNeXt-Transformer</p> <p>Paper ID:769: VISION TO VOICE: A Real-time Gesture Transduction System</p> <p>Paper ID: 1538: Steel Surface Defect Classification Using Deep Transfer Learning with VGG16 and ResNet50</p>		

Session Chair Dr. Vrushali Raut evaluated the papers based on the parameters: Presentation Quality, Research Contents, Depth of Understanding of subject, Effectiveness, Time Management.

At the end of session, Session Chair conveyed the Best Paper Title.

Total no. of Participants- 13



Group Photo

ESCI-2026-Day-2-Session-20-Image Signal Processing

31:40

Take control Pop out Chat Q&A People Raise React View Apps More Camera Mic Share Leave

Turn camera off (Ctrl+Shift+O)

8th IEEE International Conference on Emerging Smart Computing & Informatics
(11th, 12th, & 13th March 2026)

Paper ID: 3880
Title : An Optimized CNN-U-Net Framework for Kidney Segmentation in T2-Weighted MRI Scans

Authors Names: Vishalakshi M, Pramod Kumar P, Sahil Sharma

Presented by
Vishalakshi M
PhD Scholar, Department of Computer Science and Artificial Intelligence
SR University, Warangal, India
Date : 12-03-2026

3880-Vishalakshi M

Type here to search

NIFTY -0.39%

ENG IN 2:11 PM 3/12/2026

ESCI-2026-Day-2-Session-20-Image Signal Processing

58:39

Pop out Chat Q&A People Raise React View Apps More Camera Mic Share Leave

ESCI-2026 - PowerPoint

Artificially Generated

- On the basis of frequency analysis of OM and using Base frequency and its harmonics OM mantra is generated using Python Program.

Base Frequency: $f_0 : 136.1 \text{ Hz}$
 Harmonics _ O : $(1.0, f_0), (0.7, 2*f_0), (0.4, 3*f_0), (0.2, 4*f_0), (0.1, 6*f_0)$
 Harmonics _ M : $(1.0, f_0), (0.25, 2*f_0), (0.1, 3*f_0)$

Click to add notes

35°C Sunny

2:38 PM 3/12/2026

Participant list: 3M, VR, RJ, PK, RT, V, A, DW, YR, DS

ESCI-2026-Day-2-Session-20-Image Signal Processing

01:07:01

Pop out Chat Q&A People Raise React View Apps More Camera Mic Share Leave

Turn camera off (Ctrl+Shift+O)

SPATIAL MODULATION-BASED 3D INDEX OTFS SYSTEM USING IMMA FOR 6G COMMUNICATION SYSTEMS

PRESENTATION BY,
 R. JAYASHRI
 RESEARCH SCHOLAR
 INSTITUTE OF ECE
 SIMATS

UNDER THE GUIDANCE OF
 G. RAMKUMAR
 PROFESSOR AND HEAD
 INSTITUTE OF ECE
 SIMATS

R. Jayashri

Participant list: 3M, VR, RJ, PK, RT, V, DW, YR, GP

2:46 PM 3/12/2026

Author Presentation



Session Chair & Session Coordinator

Summary of paper presentation

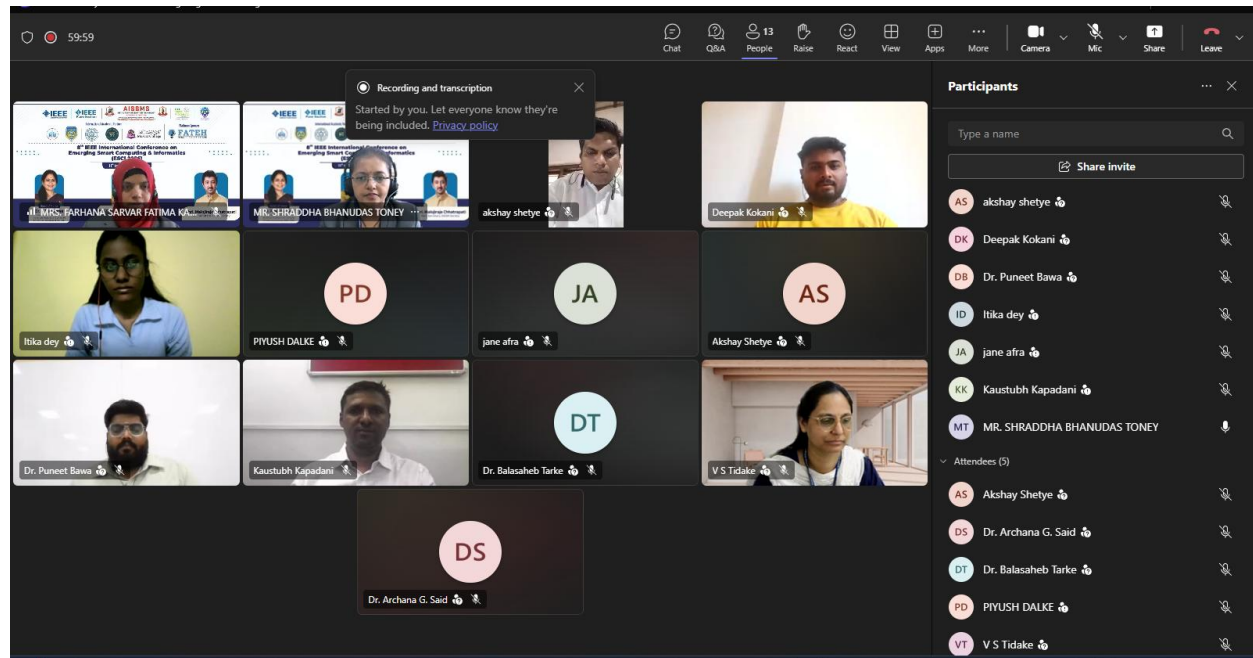
Sr. No	Name of Session/Track	Paper ID	Best Paper Title	Name of Presenter
1	Image & Signal Processing Session-20	3055	Bark Texture Recognition for Indian Trees Using a Hybrid ConvNeXt-Transformer	Ambuj Agarwal

Session-21		
Track - Image & Signal Processing	Session Chair: Dr. Puneet Bawa IILM University, Gurugram Haryana	
Day: Thursday	Date: 12/03/2026	Time: 2.00 pm to 4.00 pm
Session Coordinators- 28. Dr. Shradha Bhanudasrao Toney 29. Mrs. Farhana Kazi Sayed	Link- https://tinyurl.com/ESCI-2026-DAY-2-Sess-21-ISP	
Abstract of Session/keynote/Special session/tutorial –		
<p>Technical Oral Presentation Session 21: Image & Signal Processing was successfully conducted on the 2nd day of 8th IEEE International Conference on Emerging Smart Computing and Informatics (ESCI 2026): 12th March 2026.</p> <p>Total 7 Papers were presented in this session.</p> <p>Paper ID: 1965: A Comparative Review of Indian Sign language Recognition, Highlighting SVM for Static and GRU for Dynamic Gestures</p> <p>Paper ID:4215: A Real-Time Vision Based YOLOv8 Framework for Pothole Detection and Segmentation in Intelligent Road Infrastructure</p> <p>Paper ID:1308: Wildlife Trap Surveillance Using IOT And Raspberry PI.</p> <p>Paper ID: 2850: A Two-Stream Feature Learning Approach for Robust In-the-Wild Emotion Classification</p> <p>Paper ID:527: UniTR-PREVENT: Dynamic Modality Reweighting for Interpretable Prediction of Future Breast Cancer Risk</p> <p>Paper ID:278: Fusion based multi-branch deep learning framework for real time audio deepfake detection in financial fraud prevention</p> <p>Paper ID:20: AI Based Lost and Found System</p>		

Session Chair Dr. Puneet Bawa evaluated the papers based on the parameters: Presentation Quality, Research Contents, Depth of Understanding of subject, Effectiveness, Time Management.

At the end of session, Session Chair conveyed the Best Paper Title.

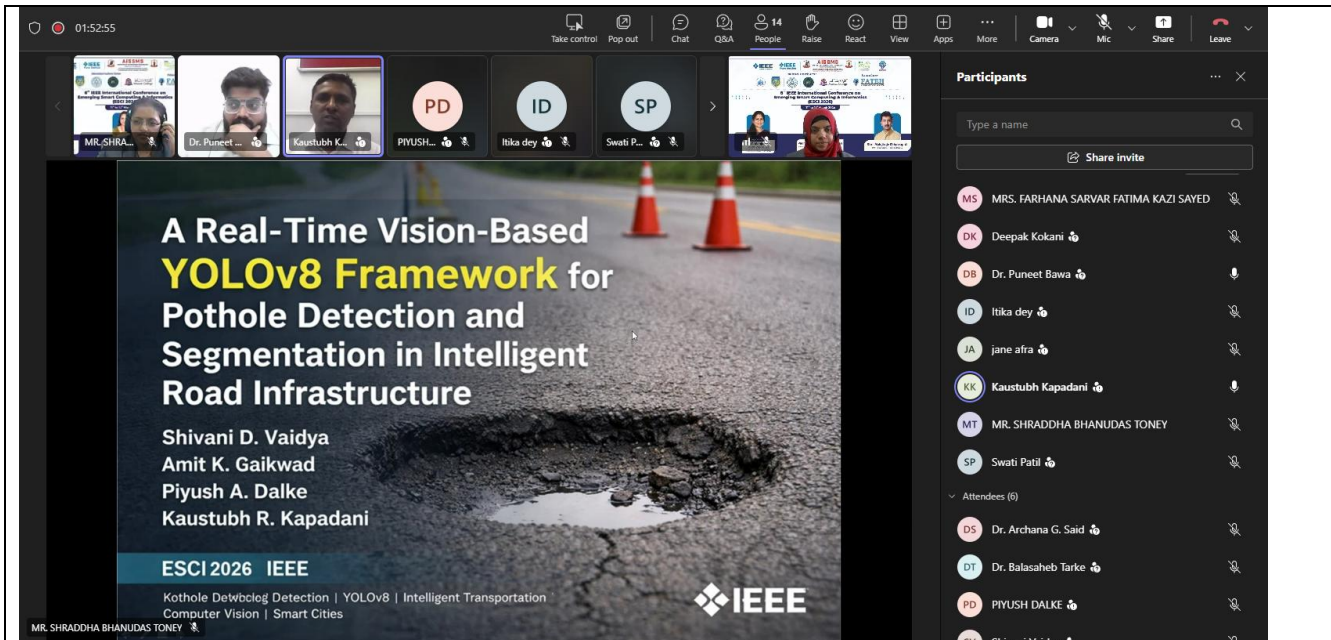
Total no. of Participants- 7



Group Photo

This screenshot shows a Zoom meeting in progress. The main window displays a presentation slide with the following text: "Fusion based multi-branch deep learning framework for real time audio deepfake detection in financial fraud prevention". Below the title, it lists the authors: "By Akshay N Shetye ,Dr. Nilakshi Jain ,Dr. Shwetambari Borade,Maj. Vineet Kumar". The slide is presented in a WPS AI application. The Zoom interface includes a top toolbar with options like Pop out, Chat, Q&A, People, Raise, React, View, Apps, More, Camera, Mic, Share, and Leave. A participants list on the right shows several attendees, including akshay shetye, Akshay Shetye, Deepak Kokani, Dr. Puneet Bawa, Itika dey, jane afra, Kaustubh Kapadani, MR. SHRADDHA BHANUDAS TONEY, Dr. Archana G. Said, Dr. Balasaheb Tarke, PIYUSH DALKE, and Shivani Vaidya.

This screenshot shows a Zoom meeting in progress. The main window displays a presentation slide with the following text: "A Two-Stream Feature Learning Approach for Robust In-the-Wild Emotion Classification". The slide features a background image of a woman's face with a neural network overlay. The Zoom interface includes a top toolbar with options like Take control, Pop out, Chat, Q&A, People, Raise, React, View, Apps, More, Camera, Mic, Share, and Leave. A participants list on the right shows several attendees, including jane afra, Kaustubh Kapadani, MR. SHRADDHA BHANUDAS TONEY, Swati Patil, Dr. Archana G. Said, Dr. Balasaheb Tarke, PIYUSH DALKE, Shivani Vaidya, supriya (On hold), V S Tidake, and DR. PRITESH KUMAR PATIL (Accepted).



Author Presentation



Session Chair & Session Coordinator

Summary of paper presentation

Sr. No	Name of Session/Track	Paper ID	Best Paper Title	Name of Presenter
1	Image & Signal Processing Session-21	278	Fusion based multi-branch deep learning framework for real time audio deepfake detection in financial fraud prevention	Akshay Shetye

Session-22		
Track - Smart Computing	Session Chair: Dr. Vivek Kheradkar, DKTE's Textile and Engineering Institute, Ichalakrajji	
Day: Thursday	Date: 12/03/2026	Time: 2.00 pm to 4.00 pm
Session Coordinators- 1. Dr. Nidhi Sharma 2. Ms. Reshma Rajanand Owhal	Link- https://tinyurl.com/ESCI-2026-Day-2-Sess-22-SC	
Abstract of Session/keynote/Special session/tutorial –		
<p>Technical Oral Presentation Session 22: Smart Computing was successfully conducted on the 2nd day of 8th IEEE International Conference on Emerging Smart Computing and Informatics (ESCI 2026): 12th March 2026.</p> <p>Total 10 Papers were presented in this session.</p> <p>Paper ID: 512: Exploring Quantum Computing for Scalable Portfolio Optimization in Finance</p> <p>Paper ID:1040: PlaceMate- Integrated Placement Preparation Platform with AI Powered Assistance and Dynamic Test Management.</p> <p>Paper ID:3730: Smart Detection of Dark Patterns in Web Interfaces Using AI-Based Multi-Agent Systems</p> <p>Paper ID: 528: Deep Learning Meets Barber Optimization: Toward Smarter Wheat Disease Detection</p> <p>Paper ID:190: Quantum Key Distribution (QKD) Framework for Secure Military and Strategic Communication Networks</p> <p>Paper ID:567: A Novel Framework for AI-Assisted Home Exercise Programs: A Hybrid Approach to Personalized and Adap</p> <p>Paper ID:3078: Toward Quantum-Enabled Medical Imaging: Optimized CNNs for Diagnosis</p>		

Paper ID:1119: X-Ray Vision: Hybrid YOLO-NAS for Intelligent Fracture Detection

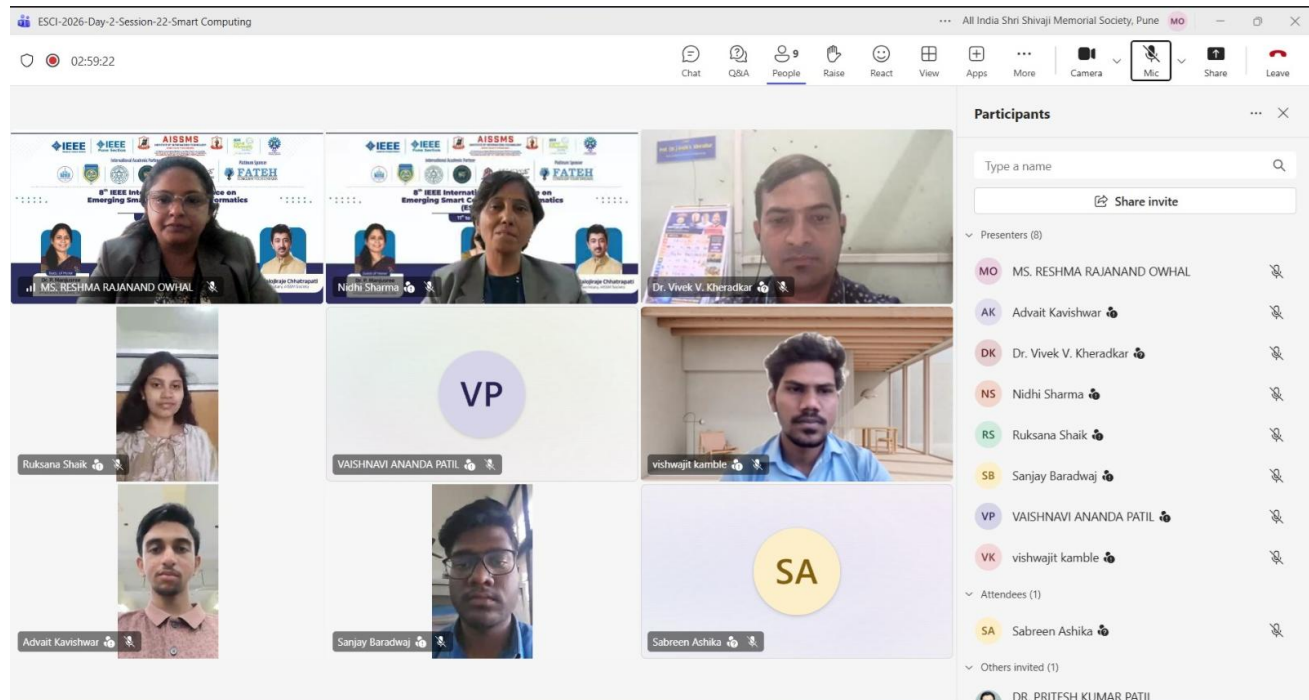
Paper ID:4167: Optimizing LLM Prompt Engineering with DSPy-Based Declarative Learning

Paper ID:1147: Climate Analyzer: Deep Learning for Vegetation Stress Detection and Short-Term Risk Forecasting.

Session Chair Dr. Vivek Kheradkar evaluated the papers based on the parameters: Presentation Quality, Research Contents, Depth of Understanding of subject, Effectiveness, Time Management.

At the end of session, Session Chair conveyed the Best Paper Title.

Total no. of Participants- 10



Group Photo

ESCI-2026-Day-2-Session-22-Smart Computing

02:53:08

Take control Pop out Chat Q&A People Raise React View Apps More Camera Mic Share

Participants

Type a name

Share invite

Presenters (9) Mute all

- MO MS. RESHMA RAJANAND OWHAL
- AK Advait Kavishwar
- DK Dr. Vivek V. Kheradkar
- NS Nidhi Sharma
- PP Punashri Patil
- RS Ruksana Shaik
- SB Sanjay Baradwaj
- VP VAISHNAVI ANANDA PATIL
- VK vishwajit kamble

Attendees (1)

- SA Sabreen Ashika

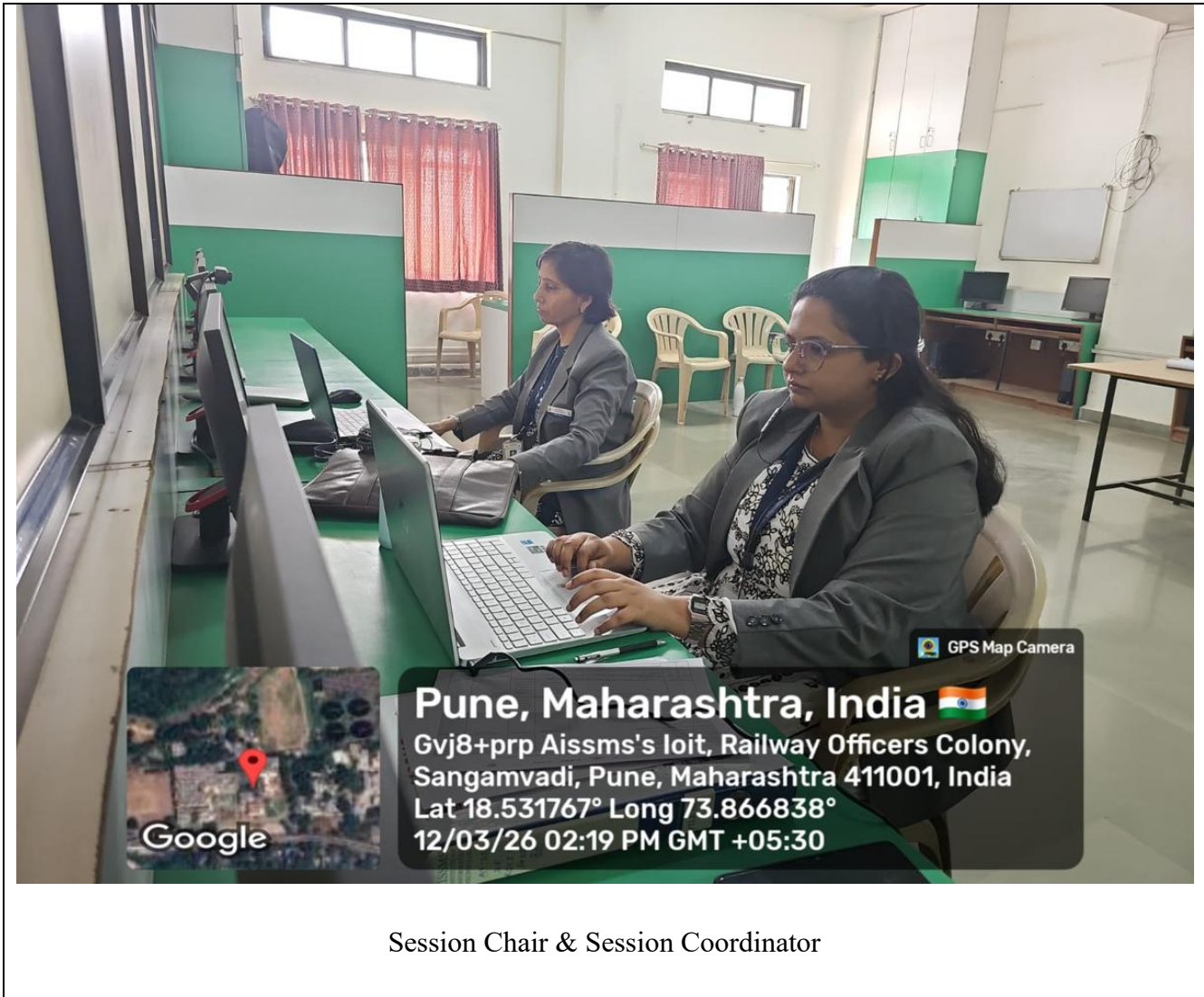
PERFORMANCE RESULTS

The slide displays four performance metrics: Precision: 0.742, Recall: 0.537, mAP@0.5: 0.612, and mAP@0.5-0.95: 0.275. It also includes a Precision-Confidence Curve, a Precision-Recall Curve, and a Confusion Matrix. The Confusion Matrix shows True Positives (TP) and True Negatives (TN) in the top-right and bottom-left cells, respectively, with False Positives (FP) and False Negatives (FN) in the top-left and bottom-right cells. The Confusion Matrix is a 2x2 grid with a color scale from 0.00 to 0.10.

- Precision: 0.742
- Recall: 0.537
- mAP@0.5: 0.612
- mAP@0.5-0.95: 0.275

Paper ID: 1119 | Slide 11

Author Presentation



Session Chair & Session Coordinator

Summary of paper presentation

Sr. No	Name of Session/Track	Paper ID	Best Paper Title	Name of Presenter
1	Smart Computing Session-22	4167	Optimizing LLM Prompt Engineering with DSPy-Based Declarative Learning	Ruksana sheik

Session-23		
Track - Image & Signal Processing		Session Chair: Dr. Archana Ubale, AISSMS's College of Engineering Pune.
Day: Thursday	Date: 12/03/2026	Time: 2.00 pm to 4.00 pm
Session Coordinators- 30. Dr. Nitin P. Bhone 31. Mr. Prashant S. Sadaphule	Link- https://tinyurl.com/ESCI-2026-Day-2-Sess-23-ISP	
<p>Abstract of Session/keynote/Special session/tutorial –</p> <p>Technical Oral Presentation Session 23: Image & Signal Processing was successfully conducted on the 2nd day of 8th IEEE International Conference on Emerging Smart Computing and Informatics (ESCI 2026): 12th March 2026.</p> <p>Total 8 Papers were presented in this session.</p> <p>Paper ID: 737 : Hybrid-DAF-AOTL: Three-Pathway Fusion Architecture for Underwater Enhancement</p> <p>Paper ID: 1350: Accuracy Degradation in Complex Environmental Conditions Problem</p> <p>Paper ID: 1869: Pest Sound Classifier for Crop Health Using Audio Signals</p> <p>Paper ID: 1911: Triple-Band Metamaterial Perfect Absorber (MPA) Using Hexagonal SRRs for Smart Environmental Monitor</p> <p>Paper ID: 4201: A YOLO and MiDAS-based Diet Monitoring Framework for Food Segmentation and Depth-Based Calorie Estim</p> <p>Paper ID: 2815: NeuroCLIP: Vision-Language Contrastive Learning for Alzheimerâ€™s Disease Diagnosis from PET and Text</p>		

Paper ID: 4102: PrivFaceNet: Federated Deep Learning for Privacy Preserving Face Recognition

Paper ID: 3212: PCB Design and Development for Embedded Applications: A Practical Perspective

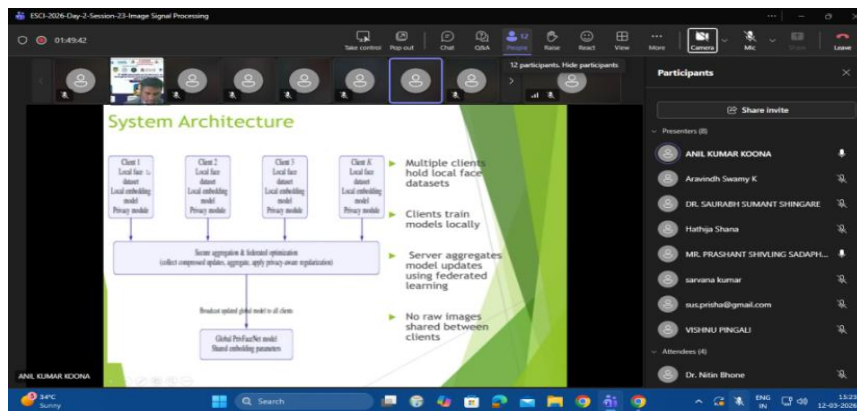
Session Chair Dr. Archana Ubale evaluated the papers based on the parameters: Presentation Quality, Research Contents, Depth of Understanding of subject, Effectiveness, Time Management.

At the end of session, Session Chair conveyed the Best Paper Title.

Total no. of Participants- 12



Group Photo



Author Presentation

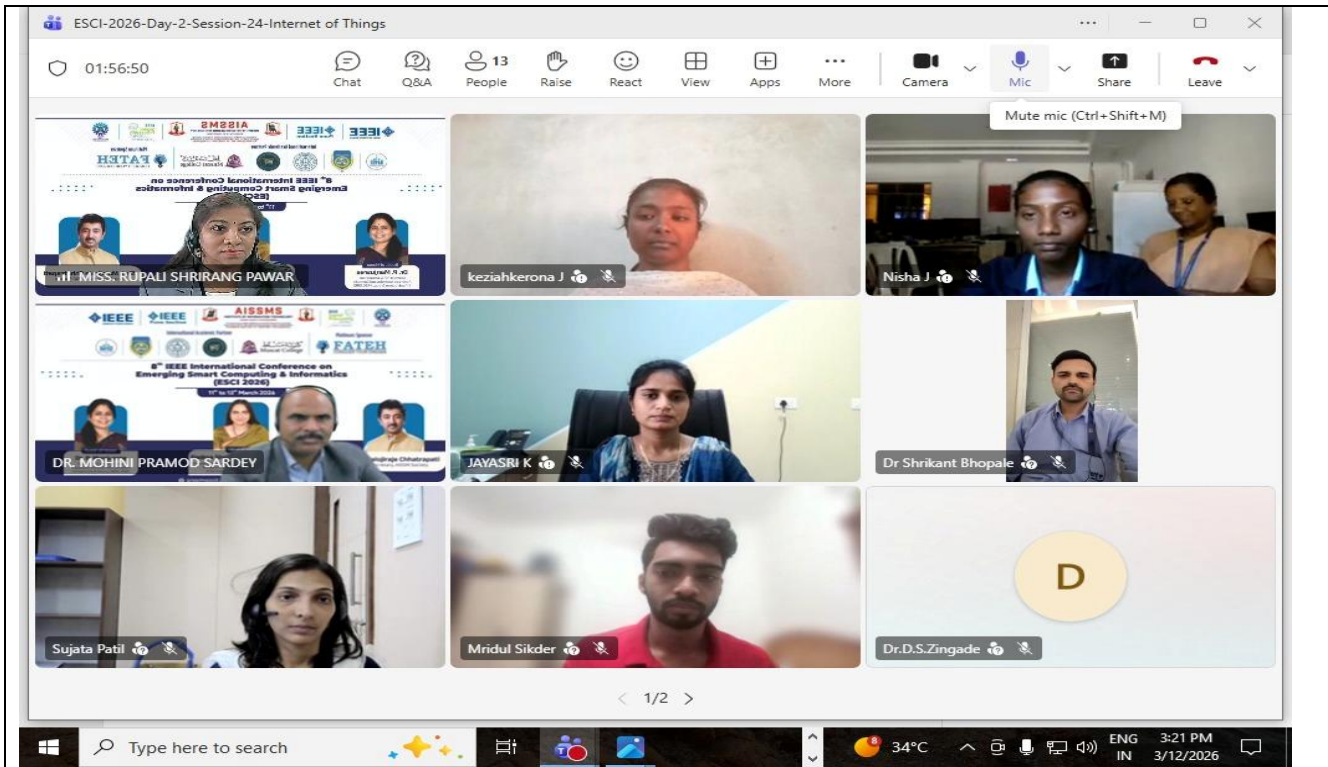


Session Chair & Session Coordinator

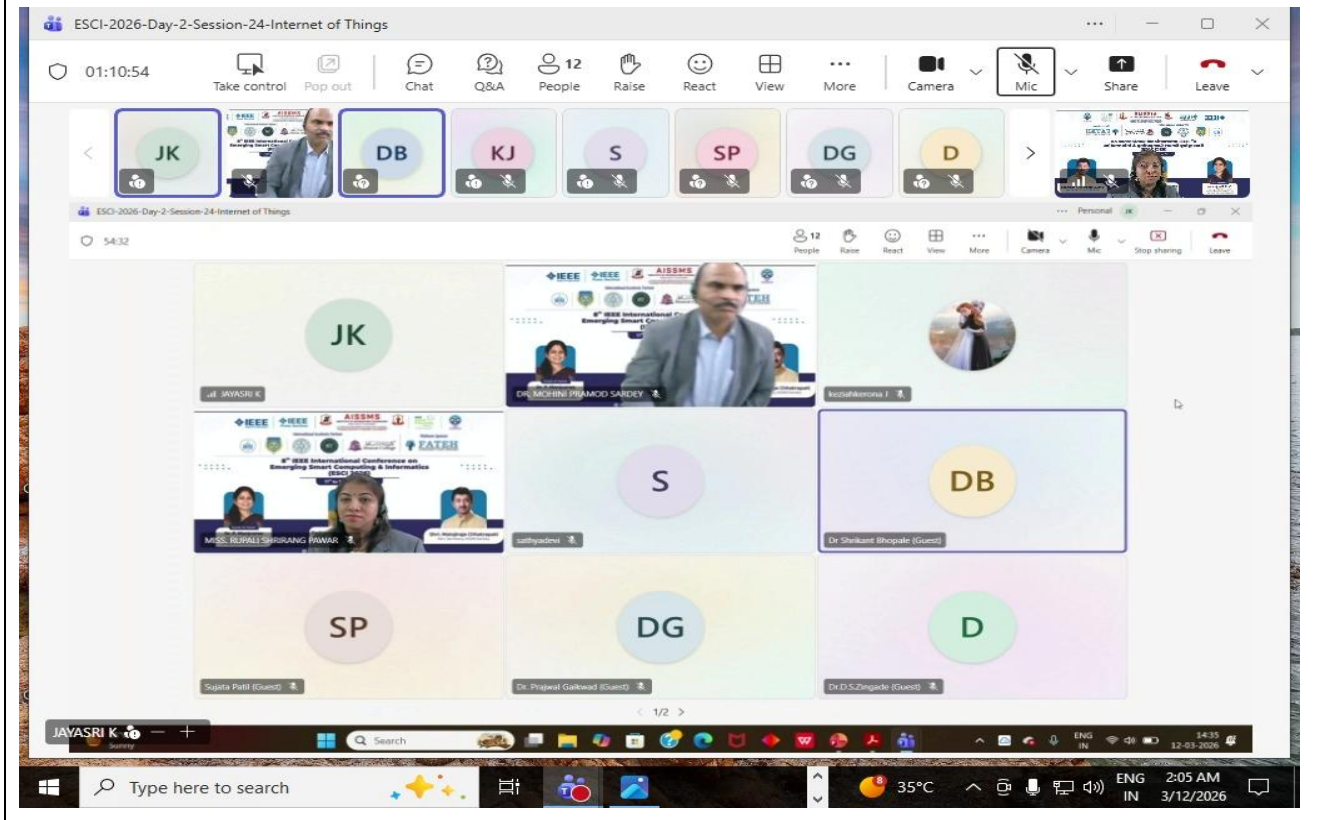
Summary of paper presentation

Sr. No	Name of Session/Track	Paper ID	Best Paper Title	Name of Presenter
1	Image & Signal Processing Session-23	1869	Pest Sound Classifier for Crop Health using Audio Signals	Hathija Shana M

Session- 24		
Track – Internet of Things		Session Chair: Dr. Shrikant Bhopale, D.Y. Patil Agriculture and Technical University, Talsande
Day: Thursday	Date: 12/03/2026	Time: 2.00 pm to 4.00 pm
Session Coordinators- 32. Dr. Pramod Mushrif 33. Ms. Rupali S. Pawar		Link- <u>https://tinyurl.com/ESCI-2026-Day-2-Sess-24-IOT</u>
Abstract of Session/keynote/Special session/tutorial –		
<p>Technical Oral Presentation Session 24: Internet of Things was successfully conducted on the 2nd day of 8th IEEE International Conference on Emerging Smart Computing and Informatics (ESCI 2025): 12th March 2026.</p> <p>Total 5 Papers were presented in this session.</p> <p>Paper ID: 1795: Fed Chain: AI-Driven Blockchain Security with Quantum-Inspired Encryption for Federated IoT Networks</p> <p>Paper ID: 1900: Scalable Off-Chain Data Retrieval Framework for Blockchain based on Hybrid On-Chain Metadata with Au</p> <p>Paper ID: 2026: Multimodal CNN Fusion for Radar-Based Human Detection Using 1D Time-Series and 2D Image Representation</p> <p>Paper ID: 3506: Low-Cost IoT-Enabled Water Leak Detection and Prevention System Using Anomaly Detection in Sensor Networks</p> <p>Paper ID: 549: Hand Integrating Food Recognition and Allergen Awareness through Smart Mirror Technology</p> <p>Session Chair Dr. Shrikant Bhopale evaluated the papers based on the parameters: Presentation Quality, Research Contents, Depth of Understanding of subject, Effectiveness, Time Management. At the end of session, Session Chair conveyed the Best Paper Title.</p> <p>Total no. of Participants- 10</p>		



Group Photo



ESCI-2026-Day-2-Session-24-Internet of Things

01:04:52

Take control Pop out Chat Q&A People 12 Raise React View More Camera Mic Share Leave

JK DB KJ S SP DG MS

LITERATURE REVIEW

7

Author	Contribution	Techniques Used	Merits/Demerits
Y. Ranka et. al. [1], 2008	Survey on File storage and Retrieval using Blockchain technology	InterPlanetary File System (IPFS) based blockchain storage	<ul style="list-style-type: none"> Large file size increase the latency of blocks. IPFS improves the efficiency of storing data in blockchain.
M.M. Arer et. al. [2], 2022	Efficient big data storage and retrieval in distributed architecture	IPFS based blockchain storage	<ul style="list-style-type: none"> IPFS overcomes storage issue in blockchain. Elastic search enhances the search latency in retrieving the data.

JAVASRI K

3/12/2026

Type here to search 35°C 1:59 AM 3/12/2026

Author Presentation

ESCI-2026-Day-2-Session-24-Internet of Things

01:04:35

Take control Pop out Scenes Chat Q&A People 12 Raise React More Camera Mic Share Leave

KJ JK DB

JAVASRI K DR. MOHINI PRAMOD SARDEY

INTRODUCTION

6

Blockchain Structure

- Block header
- Current block hash
- Previous block hash
- Timestamp
- Nonce
- Merkle root
- Block transactions

Figure 1: Structure of Blockchain

3/12/2026

JAVASRI K

SP DG

Sujata ... Dr. Praj...

MS D

Mridul ... Dr.D.S...

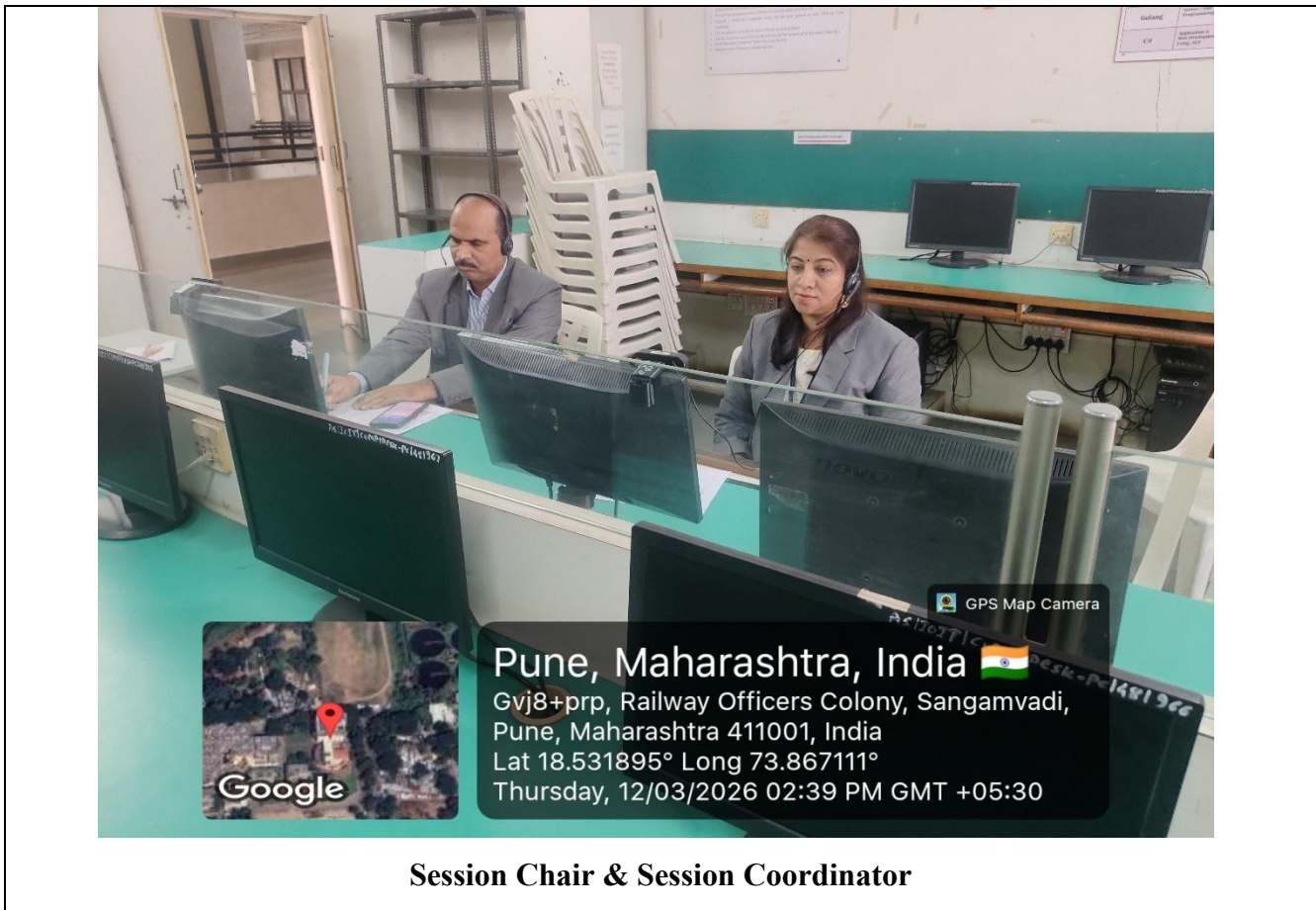
S NJ

sathya... Nisha J

J

Jeeva

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Session Chair & Session Coordinator

Summary of paper presentation

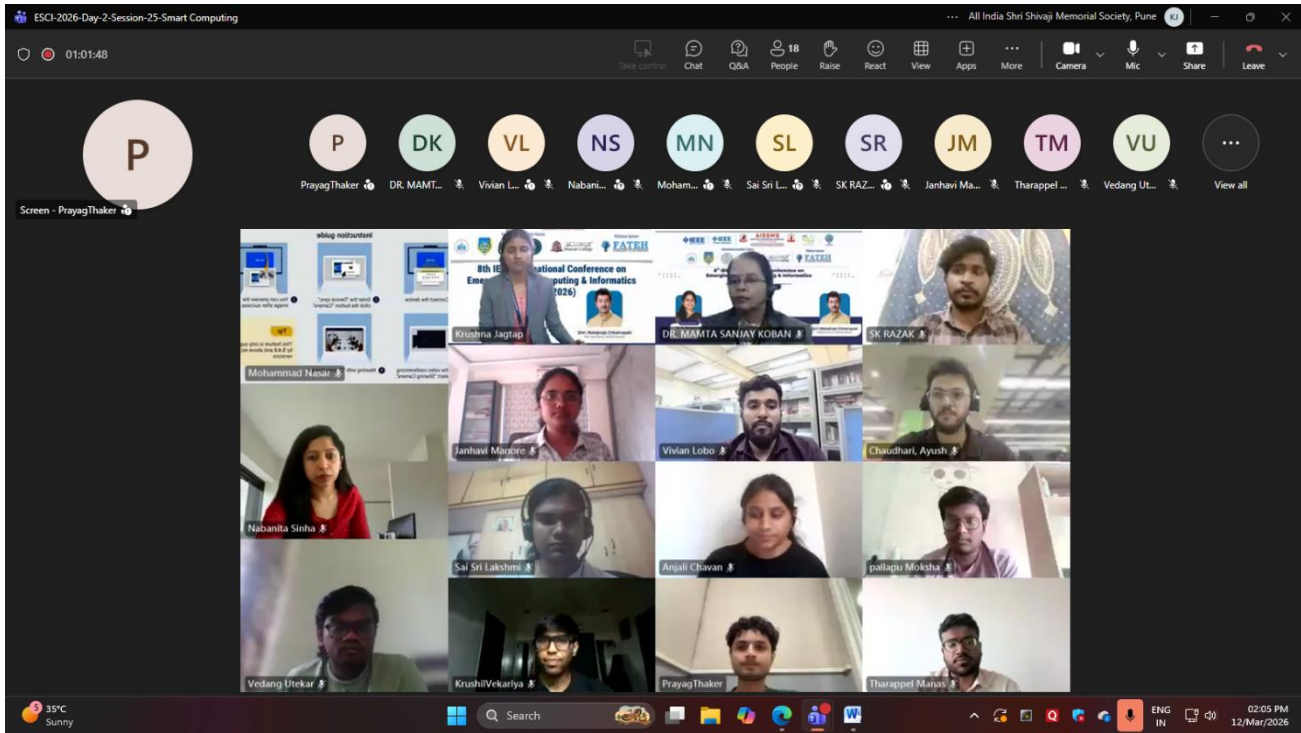
Sr. No	Name of Session/Track	Best Paper ID	Best Paper Title	Name of Presenter
1	Internet of Things Session-24	1795	Fed Chain: AI-Driven Blockchain Security with Quantum-Inspired Encryption for Federated IoT Networks.	Keziah Kerona J

Session-25		
Track –Smart Computing	Session Chair :Dr. Vivian Lobo, SVKM's Dwarkadas J. Sanghvi College of Engineering Vile Parle (West), Mumbai 400056	
Day: Thursday	Date: 12/03/2026	Time: 2.00 pm to 4.00 pm
Session Coordinators- 34. Dr. Mamta Sanjay Koban 35. Ms. PratikshaSawant	Link- https://tinyurl.com/ESCI-2026-Day-2-Sess-25-SC	
Abstract of Session –		
<p>Technical Oral Presentation Session 25: Smart Computing was successfully conducted on the 2nd day of 8th IEEE International Conference on Emerging Smart Computing and Informatics (ESCI 2026): 12th March 2026.</p> <p>Total 10 Papers were presented in this session.</p> <ol style="list-style-type: none"> 1. Paper ID: 179 Ensemble Learning for Robust Detection and Classification of Phishing URLs 2. Paper ID:1133 A Hybrid Architecture For Data Integrity In Centralized Forums Using On-Chain Hashing 3. Paper ID:729 Generative AI Framework for Smart Decision Support Systems in Industry 4.0 4. Paper ID: 1245 Mitigating Catastrophic Forgetting Using Elastic Weight Consolidation and Hybrid Replay Frameworks 5. Paper ID:1461 : TRACE: A Practical Framework for Implementing Compliance-Ready Multi-Agent AI Automation in Financial 6. Paper ID:1430 Logical Neural Networks for Explainable Brain Stroke Risk Stratification 7. Paper ID:1470 Reinforcement Learning for 4×4 Tic-Tac-Toe: Q-Learning with Tactical Enhancements and Epsilon Decay 8. Paper ID: 305: Designing a Electrochemical based Biosensor for Non-Invasive Glucose Monitoring using COMSOL 9. Paper ID: 3626 Centinel AI:A document aware HR policy question and answer automated ticket escalation 10. Paper ID:2008 FinNEST AI: A Secure, AI Augmented Framework for Collbo 		

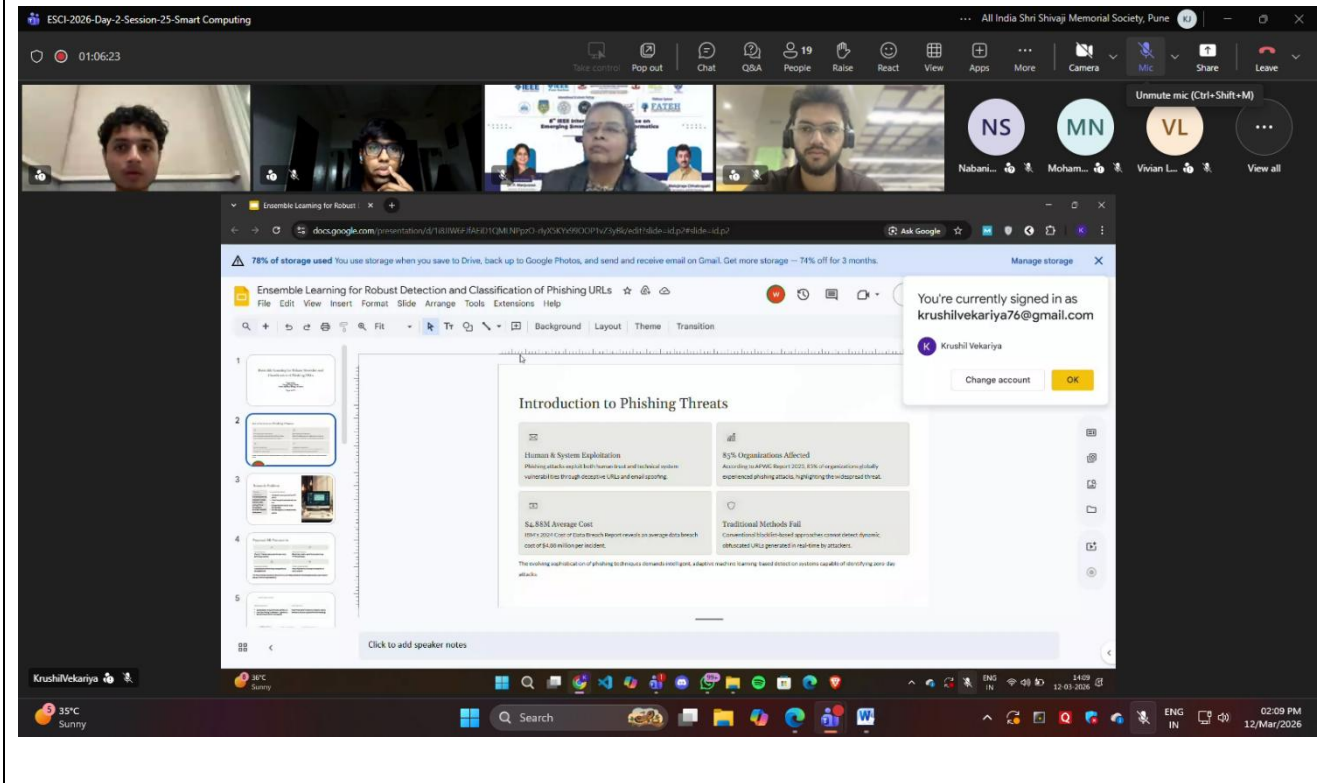
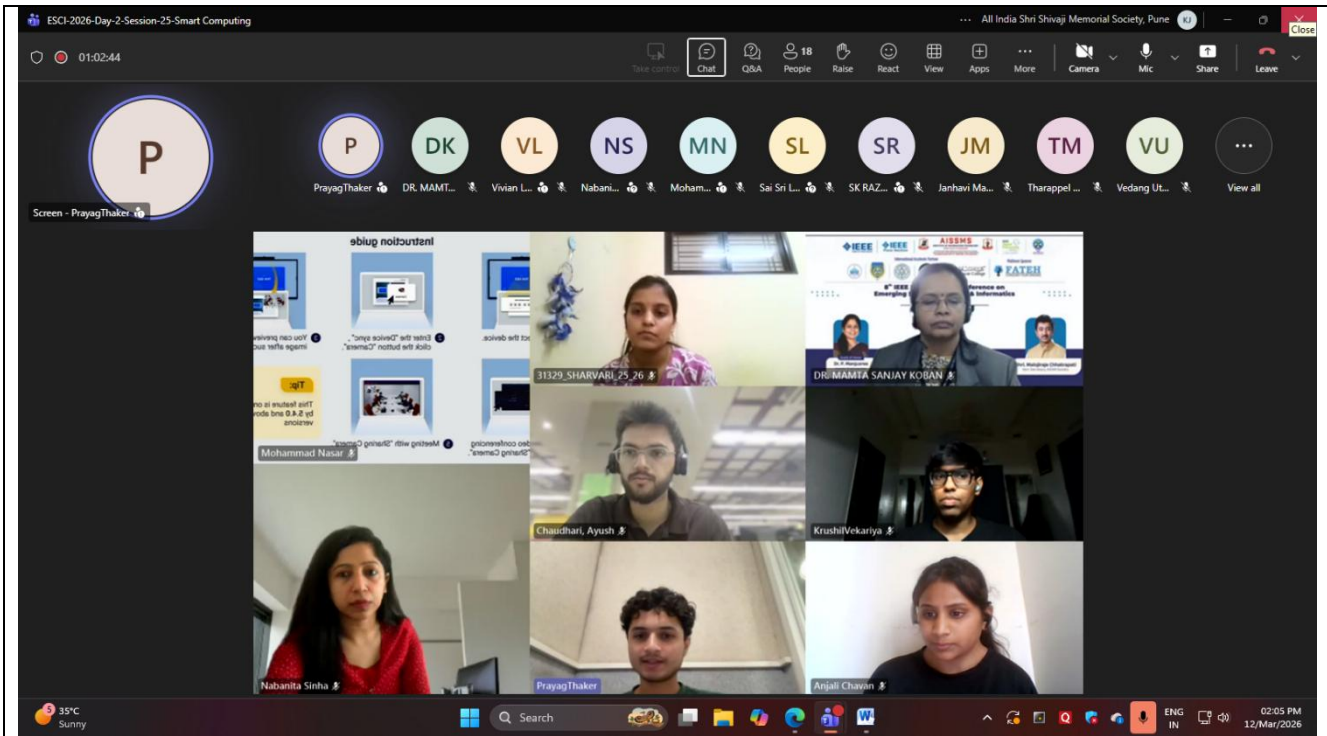
Session Chair Dr. Vivian Lobo evaluated the papers based on the parameters: Presentation Quality, Research Contents, Depth of Understanding of subject, Effectiveness, Time Management.

At the end of session, Session Chair conveyed the Best Paper Title.

Total no. of Participants- 21



Group Photo

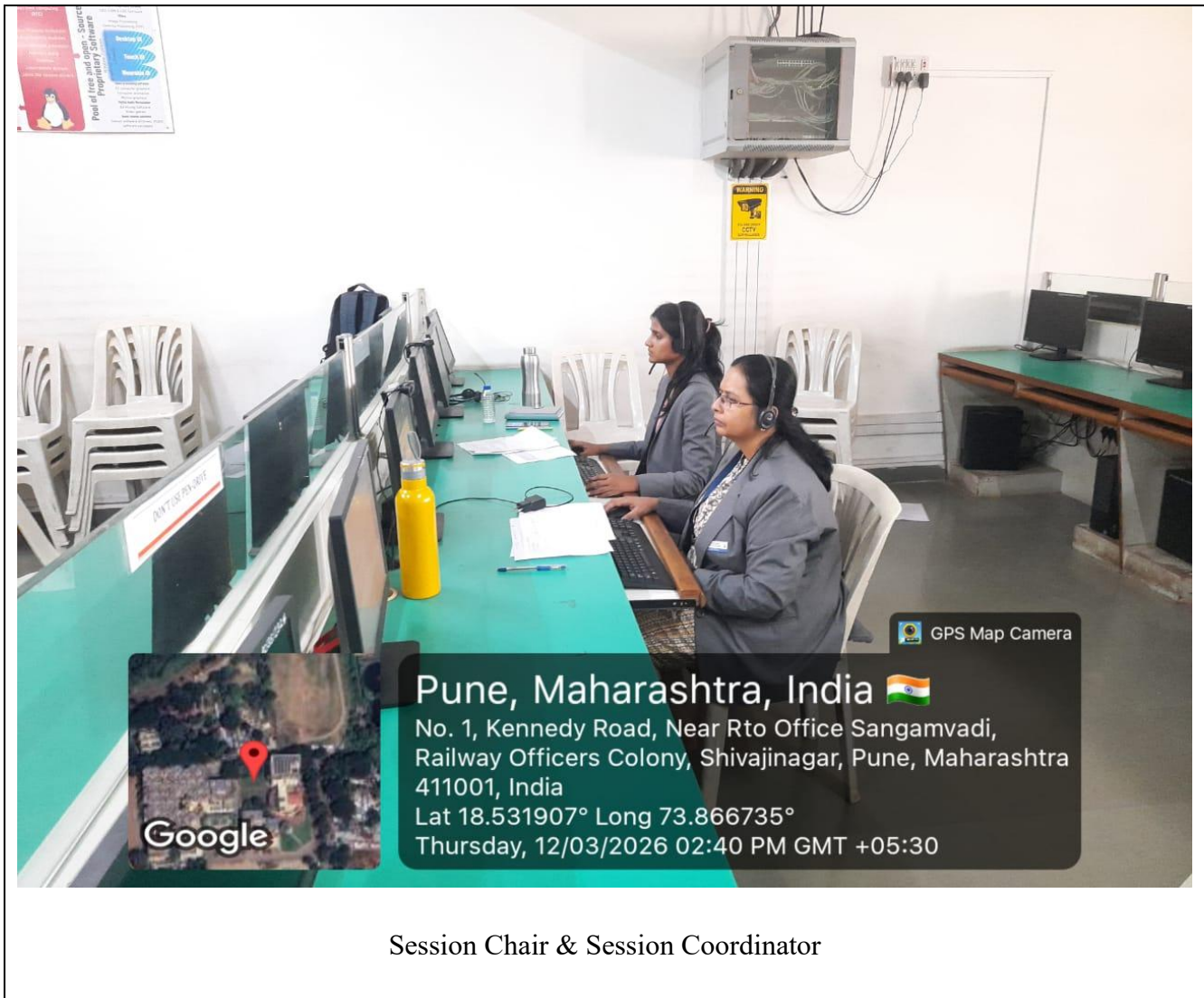


The screenshot shows a Zoom meeting interface. At the top, the meeting title is "ESCI-2026-Day-2-Session-25-Smart Computing". The top bar includes controls for Take control, Pop out, Chat, Q&A, People (20), Raise, React, View, Apps, More, Camera, Mic, Share, and Leave. Below this is a gallery of participants with initials: P (Prayag...), K (Krushi...), VL (Vivian L...), DK (DR. MAMT...), NS (Nabani...), Vedang Ute... (video on), and KJ. The main content area displays a presentation slide from PICT (Pune Institute of Computer Technology) with the title "A Hybrid Architecture for Data Integrity in Centralized Forums using On-Chain Hashing". The slide includes a table with the following data:

Paper ID: 1133	
Roll No	Student Name
72138907E	Vedang Subhash Utekar

Below the table, the slide lists the Guide Name as Dr. Vaishali S. Kulkarni and the Department as Department of Electronics and Telecommunication Engineering. The slide footer shows the date 3/12/2026 and the department name. The right sidebar shows a list of participants with their names and initials: AC (Chaudhari, Ayush), DW (Dr. Nilima S Warade), JM (Janhavi Manore), MN (Mohammad Nasar), NS (Nabani Sinha), PM (pallapu Moksha), SL (Sai Sri Lakshmi), SR (SK RAZAK), TM (Tharappel Manas), VK (Vaishali Kuralkar), VL (Vivian Lobo), and DR, PRITESH KUMAR PATIL (Accepted). The bottom of the screen shows the Windows taskbar with the date 02:23 PM 12/Mar/2026 and weather information (33°C Sunny).

Author Presentation



Summary of paper presentation

Sr. No	Name of Session/ Track	Paper ID	Best Paper Title	Name of Presenter
1	Smart Computing Session-25	<u>1245</u>	Mitigating Catastrophic Forgetting Using Elastic Weight Consolidation and Hybrid Replay Frameworks	Ms. Janhavi Manore

Session-26		
Track – Smart Computing	Session Chair: Dr. Aarti Chavan, Dr. Bapuji Salunkhe Institute of Engineering and Technology, Kolhapur	
Day: Thursday	Date: 12/03/2026	Time: 2.00 pm to 4.00 pm
Session Coordinators- 36. Dr. Vineeta Philip 37. Shilpa P. Pimpalkar	Link- https://tinyurl.com/ESCI-2026-Day-2-Sess-26-SC	
Abstract of Session/keynote/Special session/tutorial –		
<p>Technical Oral Presentation Session 26: Smart Computing was successfully conducted on the 2nd day of 8th IEEE International Conference on Emerging Smart Computing and Informatics (ESCI 2026): 12nd March 2026.</p> <p>Total 9 Papers were presented in this session.</p> <p>Paper ID: 2155-Non-invasive, Ayurveda-based Nadi Pariksha for Chronic Disorder Detection using an Adaptive Boundary Optimization Classifier</p> <p>Paper ID: 2874 The Role of Prompt Engineering in Reducing Hallucination in Generative AI Models</p> <p>Paper ID: 1865 Explainable AI for Signature Forgery Verification with Automated Multilingual Report Generation</p> <p>Paper ID: 1854 TrafficIntell- AI-Driven Urban Traffic Intelligence using DeepSORT and Machine Learning</p> <p>Paper ID: 3325 An Intelligent Artificial Intelligence Framework to Detect and Mitigate Cyber Attacks in the Contemporary Networks</p>		

Paper ID: 2215 Enhanced Feature Extraction for Colorectal Cancer Classification Using DenseNet169 Deep Neural Netwo

Paper ID: 779 An Empirical Evaluation of Faithfulness Metrics in Explainable AI for Vision Transformers

Paper ID: 1719 CA-AI : Automated personalized CA assistant

Paper ID: 1530 Comparative Analysis of DDoS Detection Performance Using Real and GAN Generated Synthetic Network Traffic Data

Session Chair Dr. Arti Chavan evaluated the papers based on the parameters: Presentation Quality, Research Contents, Depth of Understanding of subject, Effectiveness, Time Management.

At the end of session, Session Chair conveyed the Best Paper Title.

Total no. of Participants- 14

Group Photo

The image displays a Zoom meeting interface. The top portion shows a grid of 12 video thumbnails. The participants visible are: MRS. SHILPA PURUSHOTTAM PIMPALKAR, Sahil Shilimkar, Saravanan A, tran thai, Dr Aarti Chavan, Amaan Ahmed Shaikh, Tanushree Arun Kadus, Computer Meet Govindwar, Anubhav Sharma, Dr. Pradnya D. Bormane, Mrunal Fatangare, and DR. VINEETA PHILIP. A chat window on the right is open, showing a message from DR. VINEETA PHILIP at 13:27: "Welcome to all" and "u can write in chat". A message from MRS. SHILPA PURUSHOTTAM PIMPALKAR at 14:02 states "started recording." A Google Forms link is shared: <https://forms.gle/rcrpFRFg1vxH49H48> with the title "8th IEEE ..." and the text "All are requested to fill the above form".

The bottom portion of the image shows another Zoom meeting window titled "ESCI-2026-Day-2-Session-26-Smart Computing". The time is 43:36. A notification reads: "Recording and transcription Started by you. Let everyone know they're being included. [Privacy policy](#)". The grid shows participants: MRS. SHILPA PURUSHOTTAM PIMPALKAR, Sahil Shilimkar, Amaan Ahmed Shaikh, DR. VINEETA PHILIP, Mrunal Fatangare, tran thai, Saravanan A, Anubhav Sharma, Dr Aarti Chavan, and ESCI 2874.

Author Presentation

ESCI-2026-Day-2-Session-26-Smart Computing

49:11

Take control Pop out Chat Q&A People Raise React View Apps More Camera Mic Share Leave

Introduction - Ayurveda

Ayurveda is one of the most renowned traditional systems of medicine that has survived and flourished from ages till date

Ayurveda is a proven ancient science that was later Emerged with the Guru shishya tradition

Knowledge transfer happened through this tradition. Ayurveda was later added many branches.

Natural Medicines and Pulse diagnosis are known to all concepts In Ayurveda

Many companies in the market are manufacturing ayurvedic medicines. Those products are readily available as per the sutras written in Ayurvedic granthas

Pulse diagnosis is based on five elements dependent on knowledge and pursuance. As a result, Common People couldn't find a trustworthy ayurvedic treatment many times.

This is where AI is not commonly reached as a diagnostic tool. Smart and intelligent tool is the contemporary requirement Of the ayurvedic healthcare field.

आयुर्वेद नाडी व प्रकृती परीक्षण

ESCI Presentation, Pune

Participants

Type a name

Share invite

MF Mrunal Fatangare

Attendees (7)

- AS Amaan Ahmed Shaikh
- AS Anubhav Sharma
- DC Dr Aarti Chavan
- E2 ESCI 2874
- SS Sahil Shilimkar
- SA Saravanan A
- TT tran thai

Others invited (1)

DR. PRITESH KUMAR PATIL

01:31:23

Take control Pop out Chat Q&A People Raise React View Apps More Camera Mic Share Leave

Participants

Type a name

Share invite

- AS Amaan Ahmed Shaikh
- AS Anubhav Sharma
- CD computer dept
- DC Dr Aarti Chavan
- DB Dr. Pradnya D. Bormane
- MF Mrunal Fatangare
- SA Saravanan A
- SS Shradha Shingne
- TK Tanushree Arun Kadus
- TT tran thai

12

System Architecture

3 – Tier Architecture Diagram:

- I. Presentation Layer: It consists of user interface which contains Trafficintell web framework.
- I. Middle Layer: This is the logical layer mainly divided into Frontend & Backend. YOLO acts as the main backend integrated with AI frameworks: OpenCV
- I. Data Layer: SQLite database stores traffic statistics and vehicle counts. Logs anomaly events and traffic analytics. Stores historical traffic data for dashboard visualization.

Participants

- AS Amaan Ahmed Shaikh
- AS Anubhav Sharma
- CD computer dept
- DC Dr Aarti Chavan
- DB Dr. Pradnya D. Bormane
- MF Mrunal Fatangare
- SA Saravanan A
- SS Shradha Shingne
- TT tran thai

Explainable AI for Signature Forgery Verification with Automated Multilingual Report Generation

Paper ID: 1865
Presented by: Tanushree Kadus

Authors:

- Tanushree Kadus
Student of Computer Engineering
MKSS's Cummins College of Engineering For Women,
Pune, Maharashtra, India
tanushree.kadus@cumminscollege.in
- Sandhya Arora
Department of Computer Engineering
MKSS's Cummins College of Engineering For Women,
Pune, Maharashtra, India
sandhya.arora@cumminscollege.in


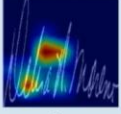
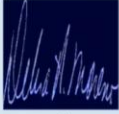

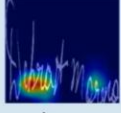

Participants

- MP MRS. SHILPA PURUSHOTTAM PIMP...
- DP DR. VINEETA PHILIP
- TK Tanushree Arun Kadus
- AS Amaan Ahmed Shaikh
- AS Anubhav Sharma
- CD computer dept
- DC Dr Aarti Chavan
- DB Dr. Pradnya D. Bormane
- MF Mrunal Fatangare

The screenshot shows a Zoom meeting interface. At the top, there is a gallery view of participants with initials: SS, AS, MF, DC, TT, and MP. The main content area displays a presentation slide titled "IMPLEMENTATION RESULTS" with a sub-section "1.3 Explainability Results". The slide is divided into three columns: "A. Original Sample", "B. Grad-CAM++ Heatmap", and "C. Integrated Gradient". It shows two rows of handwriting samples: "Sample (a) Genuine signature baseline" and "Sample (b) Forged signature comparison". Each row has corresponding images in the three columns. The "B" column shows heatmaps highlighting the signature areas, and the "C" column shows integrated gradient visualizations. A participant bar at the bottom left shows "Tanushree Arun Kadus". On the right, a "Participants" list includes names like Amaan Ahmed Shaikh, Anubhav Sharma, computer dept, Dr Aarti Chavan, Dr. Pradnya D. Bormane, Mrunal Fatangare, Sahil Shilimkar, Saravanan A, Shradha Shingne, and tran thai.

IMPLEMENTATION RESULTS

1.3 Explainability Results

A. Original Sample	B. Grad-CAM++ Heatmap	C. Integrated Gradient
 Sample (a) Genuine signature baseline	 a	 a
 Sample (b) Forged signature comparison	 b	 b

Tanushree Arun Kadus

Participants

- AS Amaan Ahmed Shaikh
- AS Anubhav Sharma
- CD computer dept
- DC Dr Aarti Chavan
- DC Dr Aarti Chavan
- DB Dr. Pradnya D. Bormane
- MF Mrunal Fatangare
- SS Sahil Shilimkar
- SA Saravanan A
- SS Shradha Shingne
- TT tran thai

Comparison

Table I is a comparison between the proposed hybrid AI framework, traditional and learning-based intrusion detection models. It has been found out that the hybrid method has the highest detection rate and a considerably lower rate of false positives. Such a comparison indicates the benefit of combining several AI paradigms compared to single IDS solutions.

TABLE I. COMPARATIVE PERFORMANCE WITH BASELINE IDS MODELS

IDS Model	Accuracy (%)	False Positive Rate (%)
Signature-Based IDS	93.84	6.31
SVM-Based IDS	95.62	4.58
Random Forest IDS	97.41	4.02
LSTM-Based IDS	98.12	3.18
Proposed Hybrid AI Framework	99.08	1.86

ESCI-2026
8th International Conference on Emerging Smart Computing and Informatics(ESCI) Technically Co-Sponsored by IEEE

Participants

- DC Dr Aarti Chavan
- DB Dr. Pradnya D. Bormane
- CG Computer_Meet Govindwar
- MF Mrunal Fatangare
- SS Sahil Shilimkar
- SA Saravanan A
- SS Shradha Shingne
- TK Tanushree Arun Kadus
- TT tran thai

The screenshot displays a Zoom meeting interface. At the top, a row of participant icons is visible, including SS, SA, MF, DC, TK, AS, and MP. The main window shows a presentation slide with the following content:

Literature Review

Perturbation-Based (DAUC)

- Introduced with RISE framework (Petsiuk et al., 2018)
- Masks pixels by importance rank, measures confidence drop
- Known flaw: creates out-of-distribution (OOD) inputs (Hooker et al., 2019)
- Rank-based only — ignores magnitude of saliency scores (Tomsett et al., 2020)

Correlation-Based (SaCo)

- Proposed by Wu et al. (2024) specifically for Vision Transformers
- Groups pixels by saliency, correlates group importance with model response
- Avoids OOD problem entirely
- Accounts for magnitude of saliency differences

Study	Year	Model	Metric	Focus
Petsiuk et al.	2018	CNNs	DAUC	Metric proposal
Hooker et al.	2019	CNNs	ROAR	OOD critique
Tomsett et al.	2020	CNNs	Various	Sanity checks
Wu et al.	2024	VITs	SaCo	Metric proposal
Bai et al.	2024	VITs	PertFree	No-perturbation eval
This work	2025	VITs	DAUC, SaCo	Empirical comparison

At the bottom of the slide, the name 'Amaan Ahmed Shaikh' is visible. On the right side of the interface, a 'Participants' panel lists attendees, including MRS. SHILPA PURUSHOTTAM PIMP... (MP), DR. VINEETA PHILIP (DP), Saravanan A (SA), Amaan Ahmed Shaikh (AS), Anubhav Sharma (AS), computer dept (CD), Dr Aarti Chavan (DC), and Dr. Pradnya D. Bormane (DB).

02:41:02

Take control Pop out Chat Q&A People Raise React View Apps More Camera Mic Share Leave

Participants

Type a name

Share invite

Computer_meet Govindwar

DR. VINEETA PHILIP

Attendees (8)

Anubhav Sharma

Dr Aarti Chavan

Dr. Pradnya D. Bormane

Mrunal Fatangare

Sahil Shilimkar

Saravanan A

Tanushree Arun Kadus

tran thai

Home MOST FINAL PPT.pptx

Home Insert Design Transitions Animations Slide Show Review View Tools WPS AI

From Beginning From Current Slide Speaker View Set Up Slide Show+ Custom Slide Show Hide Slide Rehearse Timing+ Speaker Notes Monitor: Primary M... Use Presenter View

System Architecture

DYP DPU

Vendor

Data

Total

Items Details (eg. price, qty, COST, SUGST. category)

API Handling

Confirm app (optional)

Base or Demand

Invoice payments

Bills

Chat

Analytics

Dr. D. Y. Patil Unitech Society's | Dr. D. Y. Patil Institute of Technology

Slide 12 / 20

Computer_Meet Govindwar

02:53:35

Take control
Pop out
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Q&A
People 12
Raise
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SS

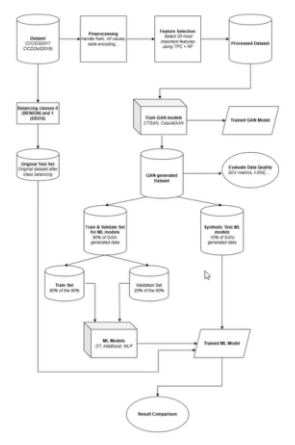
SA

DC

AS

TK

CG



```

graph TD
    A[Dataset Collection] --> B[Data Cleaning & Preprocessing]
    B --> C[Feature Selection: Select Features Using Correlation, Feature Importance, etc.]
    C --> D[Processed Dataset]
    D --> E[Train LGM Model]
    E --> F[Evaluate Data Quality: Accuracy, Precision, etc.]
    F --> G[Synthetic Data Generation]
    G --> H[Train ML Model]
    H --> I[Model Evaluation]
    I --> J[Final Report]
    
```

Experimental Workflow

1. **Data preprocessing**
 - Remove missing and infinite values
 - Feature normalization
 - Label encoding
2. **Feature selection**
 - Correlation filtering
 - Random Forest importance ranking
3. **Synthetic data generation**
 - CTGAN / CopulaGAN training
 - Generate 1M synthetic samples
4. **Model training**
 - Decision Tree, AdaBoost, MLP
5. **Evaluation**
 - Train on synthetic data
 - Test on real balanced dataset

Participants

Share invite

Attendees (8)

AS Amaan Ahmed Shaikh

🔇

AS Anubhav Sharma

🔇

DC Dr Aarti Chavan

🔇

DB Dr. Pradnya D. Bormane

🔇

MF Mrunal Fatangare

🔇

SS Sahil Shilimkar

🔇

SA Saravanan A

🔇

TK Tanushree Arun Kadus

🔇

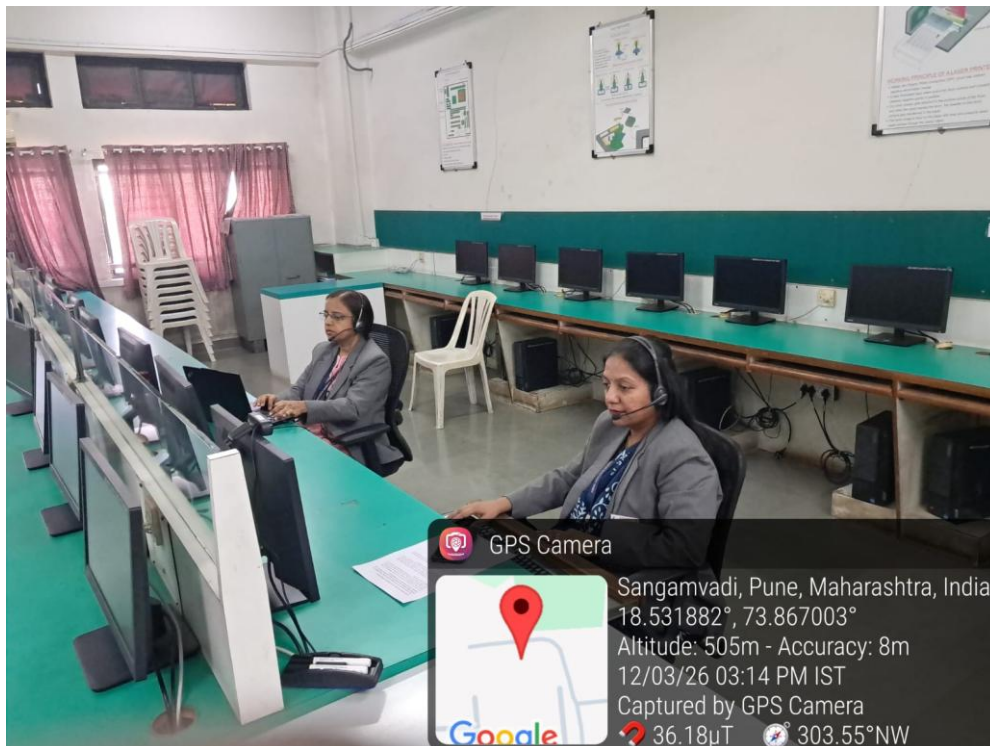
Others invited (1)

DR. PRITESH KUMAR PATIL

Accepted

ran thoi

Session Chair & Session Coordinator



Summary of paper presentation

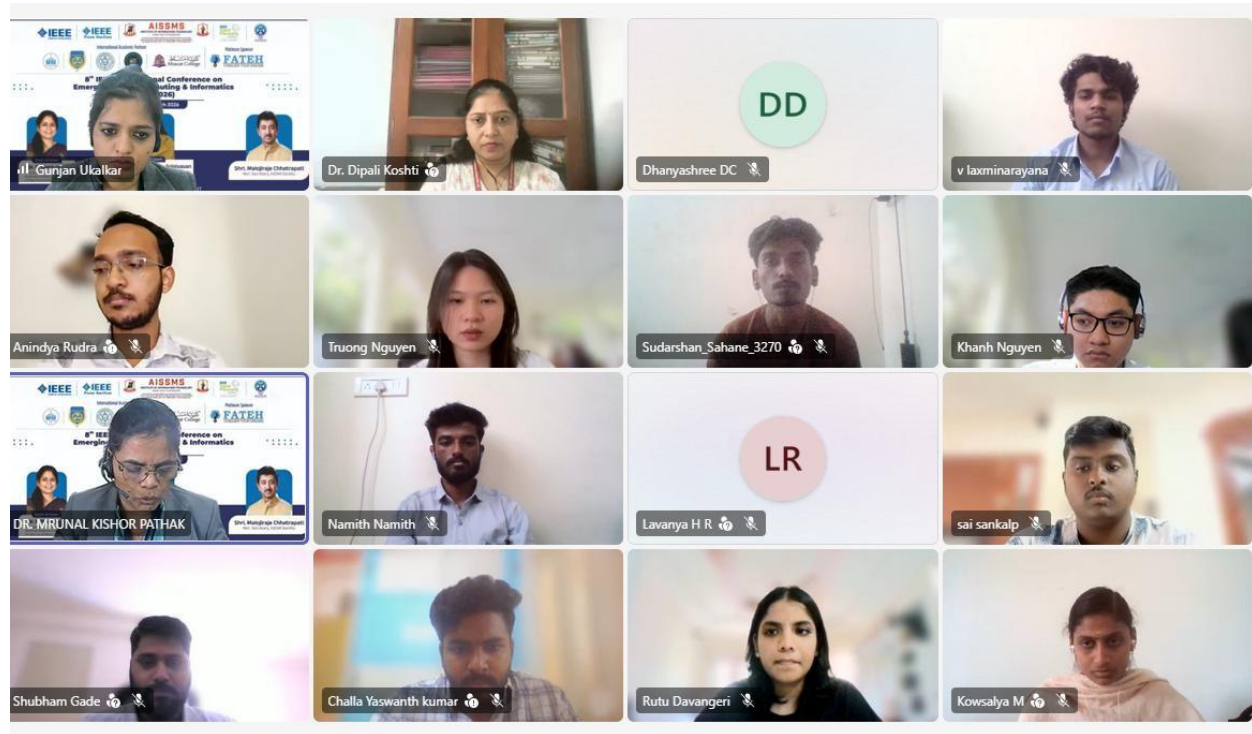
Sr. No	Name of Session/Track	Paper ID	Best Paper Title	Name of Presenter
1	Session 26- Smart Computing	779	An empirical evaluation of faithfulness metrics in explainable AI for vision Transformer	Amaan Ahmed Shaikh

Session-27		
Track – Smart Computing	Session Chair: Dr. Dipali Koshti Dean-IQAC and Associate Professor Fr.Conceicao Rodrigues College of Engineering, Bandra, Mumbai	
Day: Thursday	Date: 12/03/2026	Time: 2.00 pm to 4.00 pm
Session Coordinators- 1. Dr. Mrunal Kishor Pathak 2. Ms. Gunjan Vinod Ukalkar	Link- https://tinyurl.com/ESCI-2026-Day-2-Sess-27-SC	
Abstract of Session/keynote/Special session/tutorial – <p>Technical Oral Presentation Session 27: Smart Computing was successfully conducted on the 2nd day of 8th IEEE International Conference on Emerging Smart Computing and Informatics (ESCI 2025): 12th March 2026.</p> <p>Total 9 Papers were presented in this session.</p> <p>Paper ID: 2973: Comparative Framework for Parkinson's Disease Prediction Using ResNet-50 Feature Extraction with Siamese Network and SVM Classifiers on Handwritten Spiral Images</p> <p>Paper ID: 3270: Learning-Based? “? Guided PNCD: An Adaptive Framework for Hallucination Mitigation in Medical LLMs</p> <p>Paper ID:2204: Night Guardian: Empowering Women's Safety with Hand Sign-based Communication and AI</p> <p>Paper ID: 3358: Cloud-Based Network Packet Sniffer with Integrated Machine learning and Firewall security</p> <p>Paper ID:3258: Evaluating Instructor Effectiveness in Creative-Technology Education: A Machine Learning Approach</p> <p>Paper ID:1233: Neuro-Symbolic Optimization for Renewable Planning</p> <p>Paper ID:3639: AI Prompt Injection Attack Tester</p> <p>Paper ID: 1571: Ontology driven automatic question answering system for academic procedure using Vitamin NLP models</p> <p>Paper ID: 3667: Ontology enhanced waste sorting assistance and online recyclables exchange using on device computer vision</p>		

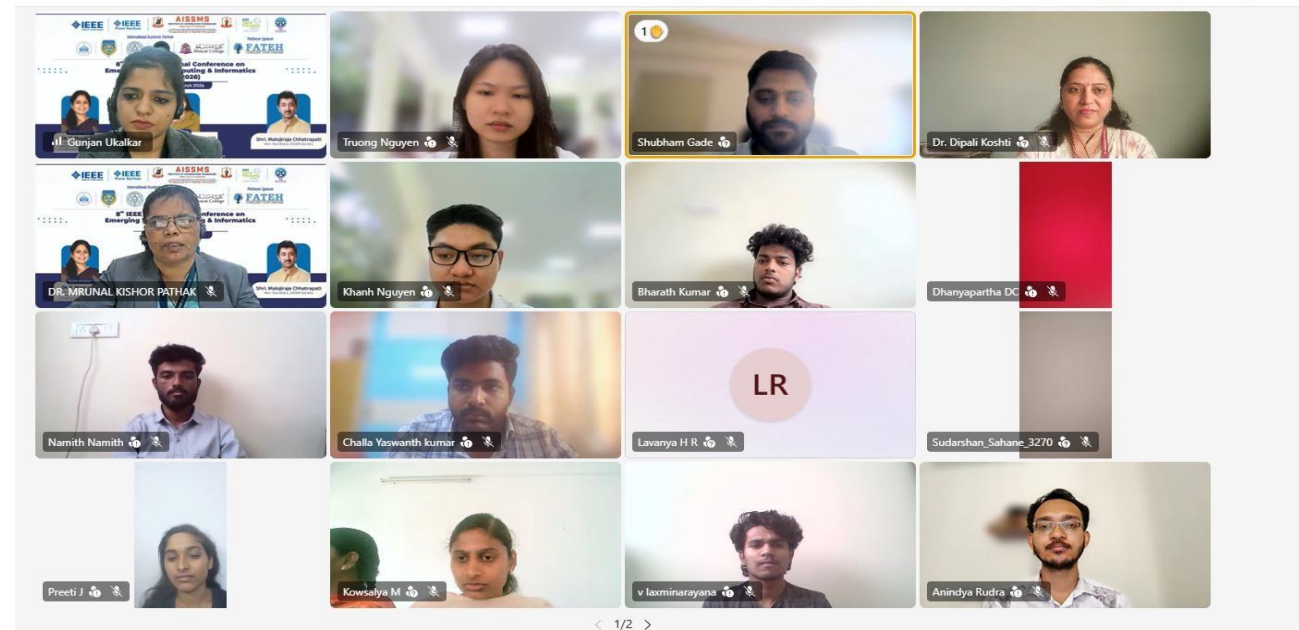
Session Chair Dr. Dipali Koshti evaluated the papers based on the parameters: Presentation Quality, Research Contents, Depth of Understanding of subject, Effectiveness, Time Management.

At the end of session, Session Chair conveyed the Best Paper Title.

Total no. of Participants- 15



Group Photo



8th International Conference on Emerging Smart Computing & Informatics 2026

Learning-Based α - β Guided PNCD: An Adaptive Framework for Hallucination Mitigation in Medical LLMs

Author Name : Sudarshan Sahane
 Co-Author : Soma N. Ghosh, Manjari Gupta
 Paper ID : 3270
 Specialization : Data Science

TRACK : Smart Computing

Organized by: AISSMS Institute of Information Technology, Pune

Department of Computer Science and Engineering

Comparative Framework for Parkinson's Disease Prediction Using ResNet-50 Feature Extraction with Siamese Network and SVM Classifiers on Handwritten Spiral Images

PAPER ID: 2973

PRESENTED BY
 KOWSALYA M
 MALLIGA S
 SARANYA T

GUIDED BY
 Dr.S.MALLIGA
 Professor / HOD(CSE)
 Konger Engineering College

Paper ID : 3358

Cloud-Based Network Packet Sniffer with Integrated Machine Learning and Firewall Security

Pacha Bharath Kumar, V Laxmi Narayana & Namith K
 Department of Computer Science and Engineering (Cyber Security)
 RNS Institute of Technology, Bengaluru

Under the guidance of:
 Prof. Likitha R

ESCI 2026

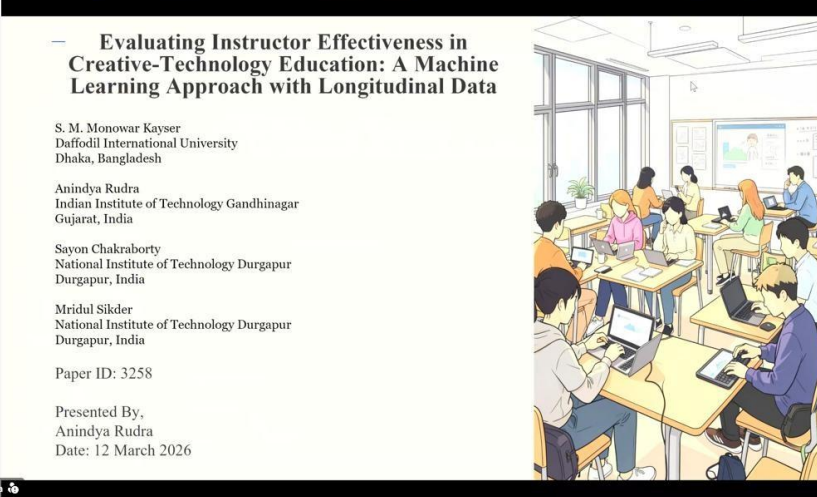
Ontology-Driven automatic QA system for Academic Procedures using Vietnamese NLP Models

First Author: Thuy Pham Thi Thu
 Second Author: Khanh Nguyen Gia

Presented by: Khanh Nguyen Gia
 Paper ID: 1571

Department of Information Technology
 Nha Trang University

thuthuy@ntu.edu.vn
 khanh.ng.65crrt@ntu.edu.vn



Evaluating Instructor Effectiveness in Creative-Technology Education: A Machine Learning Approach with Longitudinal Data

S. M. Monowar Kayser
Daffodil International University
Dhaka, Bangladesh

Anindya Rudra
Indian Institute of Technology Gandhinagar
Gujarat, India

Sayon Chakraborty
National Institute of Technology Durgapur
Durgapur, India

Mridul Sikder
National Institute of Technology Durgapur
Durgapur, India

Paper ID: 3258

Presented By,
Anindya Rudra
Date: 12 March 2026

Participants

Type a name


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Presenters (8) Mute all


- GU Gunjan Ukalkar
- AR Anindya Rudra
- BK Bharath Kumar
- CK Challa Yaswanth kumar
- DD Dhanyapartha DC
- DP DR. MRUNAL KISHOR PATHAK
- KM Kowsalya M
- SG Shubham Gade

Attendees (9) Mute all

- DC Dhanashri Changan
- DK Dr. Dipali Koshti
- KN Khanh Nguyen



Gunjan Ukalkar



Dr. Dipali Koshti

DD

VL

AR

Anindya Rudra

TN


Truong Nguyen

S

Sudarshan_Sahane_3270

KN

Khanh Nguyen



DR. MRUNAL KISHOR PATHAK

NN

Namith Namith

LR

Lavanya H R

SS

sai sankalp

SG

Shubham Gade

CK

Challa Yaswanth kumar

RD

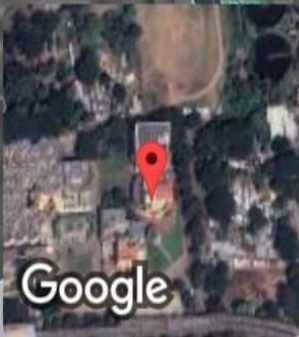
Rutu Davangi

KM

Kowsalya M



GPS Map Camera



Pune, Maharashtra, India 🇮🇳

Gvj8+mvj, Railway Officers Colony,
Sangamvadi, Pune, Maharashtra 411001, India
Lat 18.531569° Long 73.867115°
Thursday, 12/03/2026 03:24 PM GMT +05:30



Summary of paper presentation

Sr. No	Name of Session/Track	Paper ID	Best Paper Title	Name of Presenter
1	Smart Computing Session-27	1571	Ontology driven automatic question answering system for academic procedure using Vietnamese NLP Models.	Khanh Ngyuen Gia

Session-28		
Track - Smart Computing	Session Chair: Dr. Madhav Sharma 9887838292 madhavsharma36@yahoo.co.in Poornima Institute of Engineering and Technology Jaipur	
Day: Friday	Date: 13/03/2026	Time: 10.30 pm to 1.00 pm
Session Coordinators-	Link- https://tinyurl.com/ESCI-2026-Day-3-Sess-28-SC	

38. Dr. Dilip Shravan Shelar	
39. Mr. Rahul Namdeo Jadhav	
<p>Abstract of Session/keynote/Special session/tutorial –</p> <p>Technical Oral Presentation Session 28: Smart Computing was successfully conducted on the 3rd day of 8th IEEE International Conference on Emerging Smart Computing and Informatics (ESCI 2025): 13th March 2026.</p> <p>Total 10 Papers were presented in this session.</p> <p>Paper ID 3853:Cross-Fruit Disease Image Generation using CycleGAN: From Pomegranate to Apple</p> <p>Paper ID 3720 A Federated Learning Framework for Secure IoT Localization in Energy Harvesting Cell Free Massive MIMO Networks</p> <p>Paper ID 582 Decoding Astroturfing: Measuring Its Impact and Intensity on Public Trust and Opinion in Online Discourse</p> <p>Paper ID 1882 A Secure and Scalable Framework for Student Recruitment Using Blockchain and AI</p> <p>Paper ID 1142 Blockchain-Enabled Infrastructure for Dynamic Load Balancing</p> <p>Paper ID 1300 Systematic Analysis of Fairness-Aware Deep Reinforcement Learning for Equitable and Efficient Resource Allocation</p>	

Paper ID 362 Hybrid Deep Learning for Advancing Secondary Protein Structure Prediction Paper ID

Paper ID 4164 A Lightweight Transfer Learning Framework for Multi-Crop Plant Leaf Disease Classification Using EfficientNetV2

Paper ID 1502 Crop Recommendation using Optimized Machine Learning Models

Paper ID 1904 Quantum-Assisted Multi-Objective Optimization for Sustainable Energy Scheduling

Session Chair Dr. Madhav Sharma evaluated the papers based on the parameters: Presentation Quality, Research Contents, Depth of Understanding of subject, Effectiveness, Time Management.

At the end of session, Session Chair conveyed the Best Paper Title.

Total no. of Participants- 24

ESCI-2026-Day-3-Session-28-Smart Computing

03:34:57

Chat Q&A People 17 Raise React View Apps More Camera Mic Share Leave

MR. RAHUL NAMDEO JADHAV

7326 JATIN YADAV

7324 GAURAV BORA

DR. DILIP SHRAVAN SHELAR

Dr. Madhav sharma

Tejas Anil Hirurkar

Jadidiah Sandeep

suvama patil

Aryan Kumar singh

Aastha shinde

Harshvardhan Sinha

BHAGWAT_PhD_24-25

PS

DP

SP

MN

Pandit Shinde

DR. MRUNAL KISHOR PATHAK

Snehal Patil-Bagal

MR. MINAL PRASHANT NERKAR

< 1/2 >

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AIRTELPP -1.5

ENG 12:26 AM
IN 3/13/2026

Group Photo

ESCI-2026-Day-3-Session-28-Smart Computing

02:32:14

Take control Pop out Chat Q&A People 26 Raise React View Apps More Camera Mic Share Leave

8th IEEE International Conference on Emerging Smart Computing & Informatics

Systematic Analysis of Fairness-Aware Deep Reinforcement Learning for Equitable and Efficient Resource Allocation

Paper ID - 1300

Suvarna Patil <i>Engineering Cluster Singapore Institute of Technology</i>	Sivaneasan Bala Krishnan <i>Engineering Cluster Singapore Institute of Technology</i>	Dilip Kumar Jang Bahadur Saini <i>Dept. of CSE (Cyber Security), School of EngineeringDayananda Sagar University, Bangalore.</i>	Prasun Chakrabarti <i>Sir Padampat Singhania UniversityUdaipur, India</i>
--	---	--	---

AS AS CM SM AB DS AK DP

11:24 PM 3/12/2026

ESCI-2026-Day-3-Session-28-Smart Computing

01:15:04

Pop out Chat Q&A People 17 Raise React View Apps More Camera Mic Share Leave

Cross-Fruit Disease Image Generation using CycleGAN: From Pomegranate to Apple

8th International Conference on Emerging Smart Computing & Informatics 2026

Presenter:
Mr. Amey S Khurdekar Dr Charulata J Patil Dr Vinod K Pachghare

Amey S Khurdekar

Participants

Type a name

Share invite

Presenters (5) Mute all

- MJ MR. RAHUL NAMDEO JADHAV
- AK Amey S Khurdekar
- DS DR. DILIP SHRAVAN SHELAR
- DP DR. MRUNAL KISHOR PATHAK On hold
- SG Sakshi Gunde

Attendees (12)

- 7B 7324 GAURAV BORA
- 7Y 7326 JATIN YADAV
- AS Aryan Kumar singh

AIRTEL 10:06 PM 3/12/2026

The image is a screenshot of a Zoom meeting window. The main content is a presentation slide with the following text:

Classical and Quantum-Inspired Approaches in Energy Management of Microgrids

Paper ID- 1904
Presented by **Jatin Yadav**
Co-author- **Dr. Vaishali Ganganwar**

Department of computer engineering
Army Institute of Technology, Pune

The slide is part of a 17-page presentation, currently on slide 1. The Zoom interface includes a top toolbar with icons for Take control, Pop out, Chat, Q&A, People (18), Raise, React, View, Apps, and More. On the right, there is a gallery view of participants, with one participant's video feed visible at the bottom. The Windows taskbar at the bottom shows the search bar, taskbar icons, and system tray with the date 3/13/2026 and time 12:15 AM.

Author Presentation



Session Chair & Session Coordinator

Summary of paper presentation

Sr. No	Name of Session/Track	Paper ID	Best Paper Title	Name of Presenter
1	Smart Computing Session-28	1904	Quantum-Assisted Multi-Objective Optimization for Sustainable Energy Scheduling	Jatin Yadav

Session-29			
Track - Image and Signal Processing		Session Chair: Dr. Kritimalini Chaudhari, AISSMS COE, Pune	
Day: Friday	Date: 13/03/2026	Time: 10.30 am to 12.30 pm	
Session Coordinators- 40. Dr. Pritam S. Saha 41. Ms. Jayashree C. Pasalkar		Link- https://tinyurl.com/ESCI-2026-Day-3-Sess-29-ISP	

Abstract of Session/keynote/Special session/tutorial –

Technical Oral Presentation Session 29: Image and Signal Processing was successfully conducted on the 3rd day of 8th IEEE International Conference on Emerging Smart Computing and Informatics (ESCI 2026): 13th March 2026.

Total 9 Papers were presented in this session.

Paper ID: 521: Multimodal Learning for ARDS: Explainable Fusion of CT and Clinical Vitals

Paper ID: 236: Hybrid AI-Enabled Video Analytics for Context-Aware Safety Monitoring: An Edge-to-Cloud System for Industrial Behavioral Compliance

Paper ID: 596: AI Based Emotion Recognition and Real-Time Feedback in E-Learning Platforms

Paper ID: 2002: Luminex Dual-Domain Contextual AlignNet for Contextual Low-Light Enhancement

Paper ID: 2021: Artificial Intelligence-Based Groundnut Crop Health Analysis And Growth Projection With Image Processing Methods

Paper ID: 1924: Multi-Label Thoracic Disease Detection and Classification on Chest X-Ray Images Using Hybrid Deep Learning Architecture

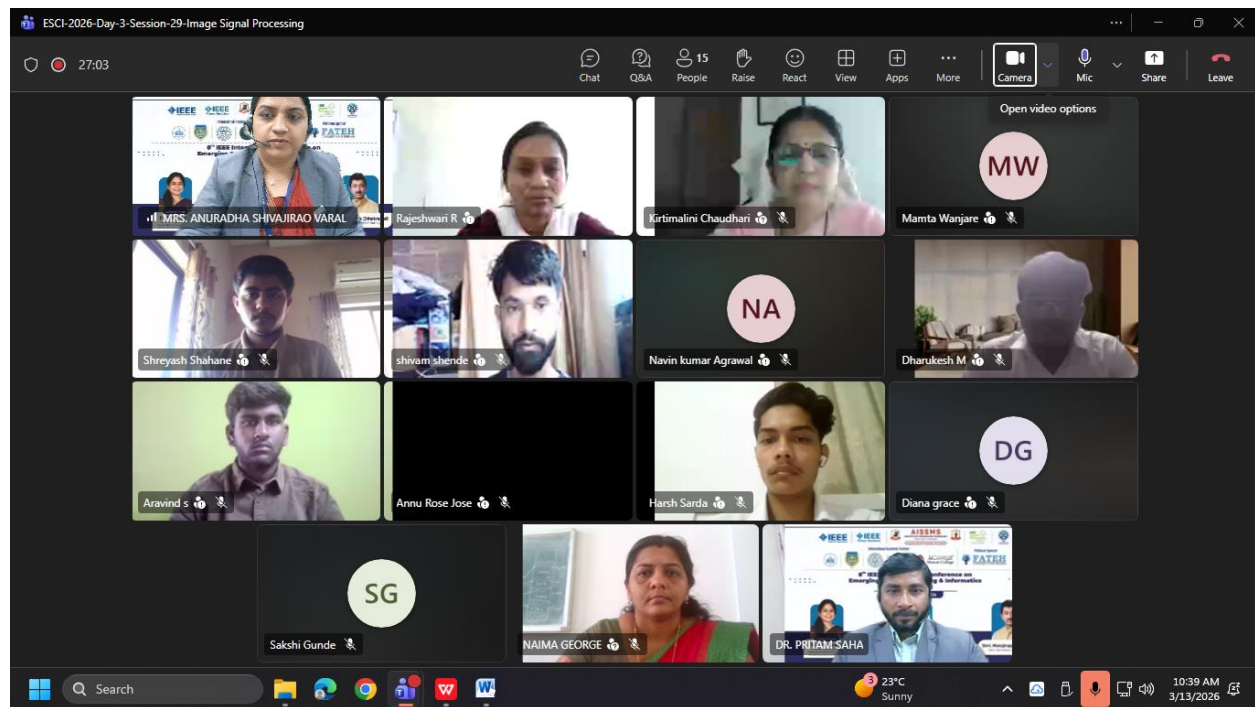
Paper ID: 1540: CNN-Based Real-Time Traffic Density Estimation for Smart City Applications

Paper ID: 1789: Machine Learning-Based Cirrhosis Stage Prediction for Universal Health Coverage

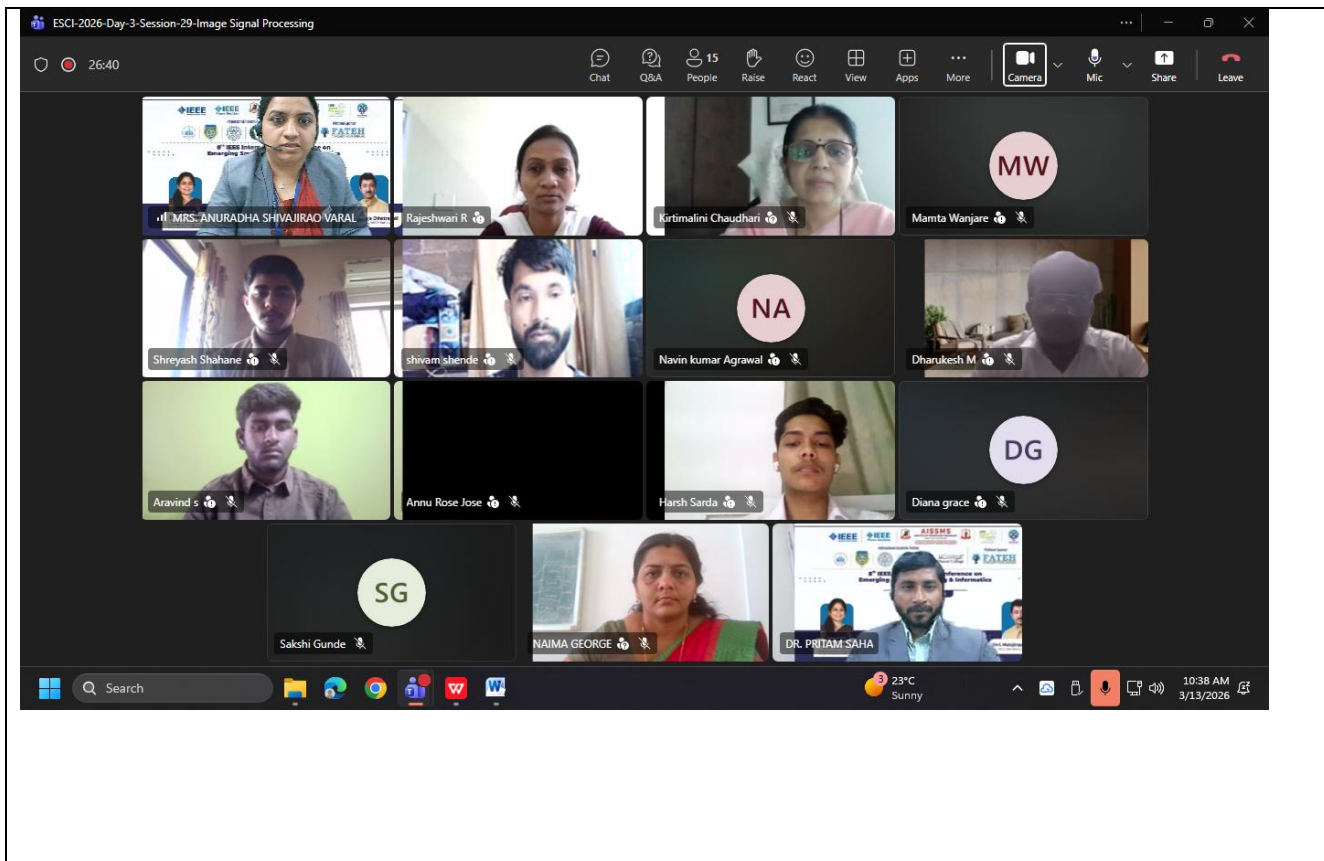
Paper ID: 2000: HCRA: Hierarchical Consonance Residual Attention Algorithm for Robust Image Tampering Localization

At the end of session, Session Chair conveyed the Best Paper Title.

Total no. of Participants- 19



Group Photo



ESCI-2026-Day-3-Session-29-Image Signal Processing

28:37

Take control Pop out Chat Q&A People 17 Raise React View Apps More Camera Mic Share Leave

RR KC DS SS NA DM AS

Multimodal Learning for ARDS: Explainable Fusion of CT and Clinical Vitals

Rajeshwari, Madhu B.G., Roopesh Ramesh, Bangarappa L.

Adichunchanagiri Institute of Technology
Dr. Ambedkar Institute of Technology

13 March 2026

Participants

Type a name

Share invite

- HS Harsh Sarda
- KC Kirtimalini Chaudhari
- MW Mamta Wanjare
- NG NAIMA GEORGE
- NA Navin kumar Agrawal
- RD Rohit Deshmukh
- SS shivam shende
- SS Shreyash Shahane

Others invited (1)

DR. PRITESH KUMAR PATIL
Accepted

Rajeshwari R. 13 March 2026 1 / 35

Search

23°C Sunny 10:40 AM 3/13/2026

Author Presentation

The screenshot shows a Zoom meeting interface. At the top, the meeting title is "ESCI-2026-Day-3-Session-29-Image Signal Processing" and the time is 01:53:23. The top toolbar includes icons for Take control, Pop out, Chat, Q&A, People (17), Raise, React, View, Apps, More, Camera, Mic, Share, and Leave. Below the toolbar is a gallery of participants with initials: RR, KC, DS, SS, AJ, SS, DT (highlighted with a blue box), and AV. A central window displays a PDF slide titled "HCRA: Hierarchical Consonance Residual Attention Algorithm for Robust Image Tampering Localization" with Paper ID 2000 for ESCI 2026. The slide lists Naima George as a Research Scholar and Dr. C. Anitha as a Professor, both from Saveetha University. The bottom of the screen shows the Windows taskbar with the search bar, taskbar icons, and system tray showing 12:08 PM on 3/13/2026, 32°C Sunny.

Participants

Type a name

Share invite

Presenters (5)

- MRS. ANURADHA SHIVAJIRAO VAR...
- DS DR. PRITAM SAHA
- MP MISS. RUPALI SHRIRANG PAWAR
- NG NAIMA GEORGE
- SS Shreyash Shahane

Attendees (12) Mute all

- AJ Annu Rose Jose
- AP Anuja Phapale
- AV Anuradha Varal

HCRA: Hierarchical Consonance Residual Attention Algorithm for Robust Image Tampering Localization
 Paper ID : 2000
 ESCI 2026

Naima George
 Research Scholar, Department of Computer Science and Engineering, Saveetha School of Engineering, Saveetha Institute of Medical and Technical Sciences, Saveetha University, Thandalam, Chennai.
naima.geor@gmail.com

Dr. C. Anitha
 Professor, Department of Computer Science and Engineering, Saveetha School of Engineering, Saveetha Institute of Medical and Technical Sciences, Saveetha University, Thandalam, Chennai.
anithac.sse@saveetha.com

12:08 PM
 32°C Sunny
 3/13/2026



Session Chair & Session Coordinator

Summary of paper presentation

Sr. No	Name of Session/Track	Paper ID	Best Paper Title	Name of Presenter
1	Image & Signal Processing Session-29	521	Multimodal Learning for ARDS: Explainable Fusion of CT and Clinical Vitals	Rajeshwari R.

Session-30		
Track - Internet of Things	External Session Chair: Dr. Totappa Hasarmani	
Day: Friday	Date: 13/03/2026	Time: 10.30 AM TO 12.30 PM (IST)
Internal Session Chair- 42. Dr. Amita Anirudhe Shinde 43. Ms. Rajashree Rangrao Kumbhar	Link- https://tinyurl.com/ESCI-2026-Day-3-Sess-30-IOT	
Abstract of Session/keynote/Special session/tutorial –		
<p>Technical Oral Presentation Session 30- Internet of Things was successfully conducted on the 3rd day of 8th IEEE International Conference on Emerging Smart Computing and Informatics (ESCI 2025): 13th March 2026.</p> <p>Total 5 Papers were presented in this session.</p> <p>Paper ID: 174: ESP8266 Wifi Module – Enabled Embedded System for Detection of Natural Disaster.</p> <p>Paper ID:1500: KNN-Based Anomaly Detection with Local Trust Initialization for Mitigating Blackhole Attacks.</p> <p>Paper ID: 1605: Federated and Neuromorphic Intelligence for Privacy-Preserving 6G-IoT in Industry 5.0.</p>		

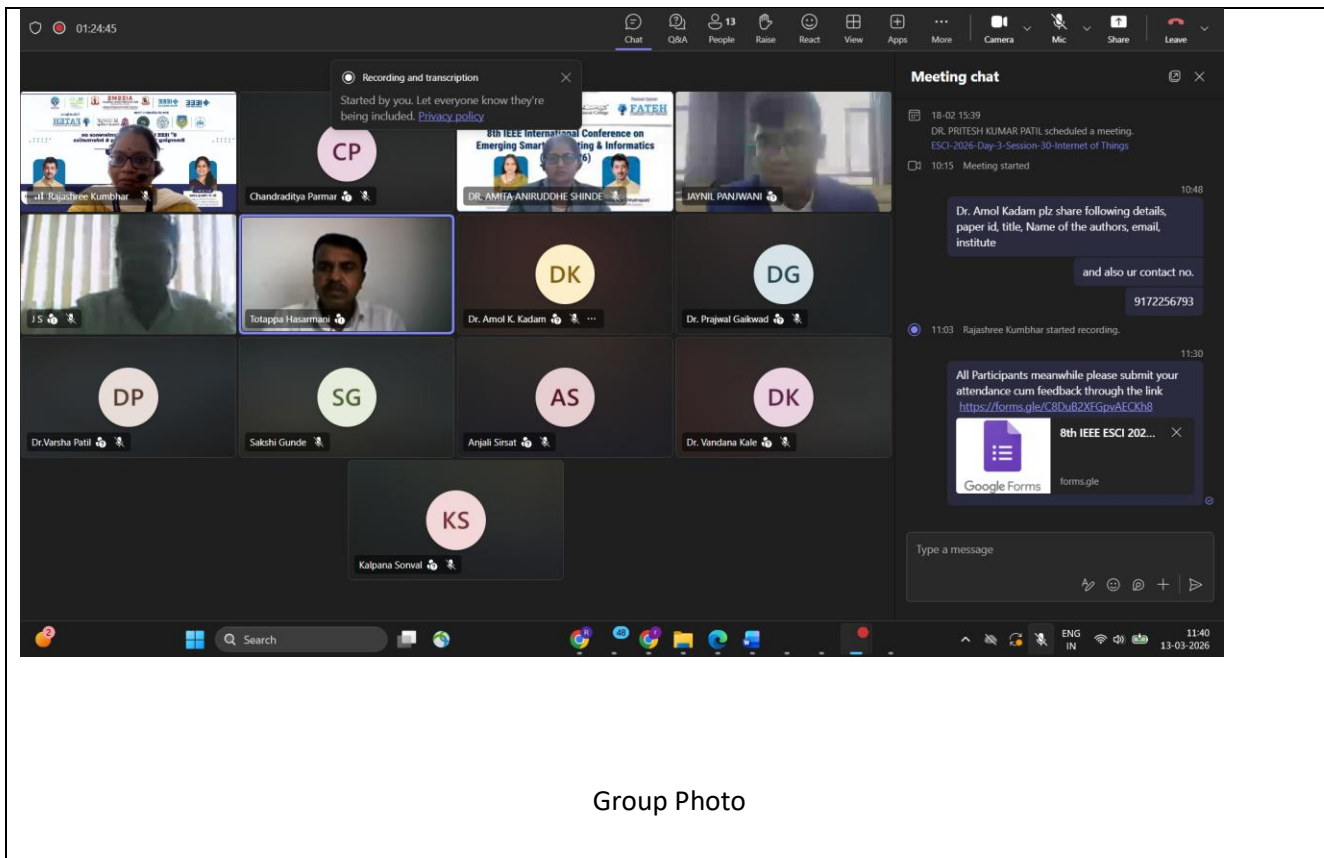
Paper ID:80: Energy-Efficient Cluster Head Selection and Scheduling in Wireless Sensor Networks: A Comprehensive Review and Future Directions.

Paper ID: SS_08_13: Quantum Inspired Optimization Algorithms for Large Scale Machine Learning Tasks

Session Chair **Dr. Totappa Hasarmani** evaluated the papers based on the parameters: Presentation Quality, Research Contents, Depth of Understanding of subject, Effectiveness, Time Management.

At the end of session, Session Chair conveyed the Best Paper Title.

Total no. of Participants- 12



Group Photo

35:56

Take control Pop out Chat Q&A People 12 Raise React View Apps More Camera Mic Share Leave

IEEE

ESP8266 Wifi Module - Enabled Embedded System for Detection of Natural Disaster

PAPER ID: 174

Gurpreet Kaur¹ , Anurag Tiwari² , Chandraditya Parmar³
Deependra Kumar Chauhan⁴

School of Electronics, Indian Institute of Information Technology Una

Chandraditya Parmar

13 March 2026

Participant list: DS, DK, AS, TH, SG, JS, DG, DP, JP, KS

Connection is weak. Try turning off incoming video to use less bandwidth.
 Turn off all video

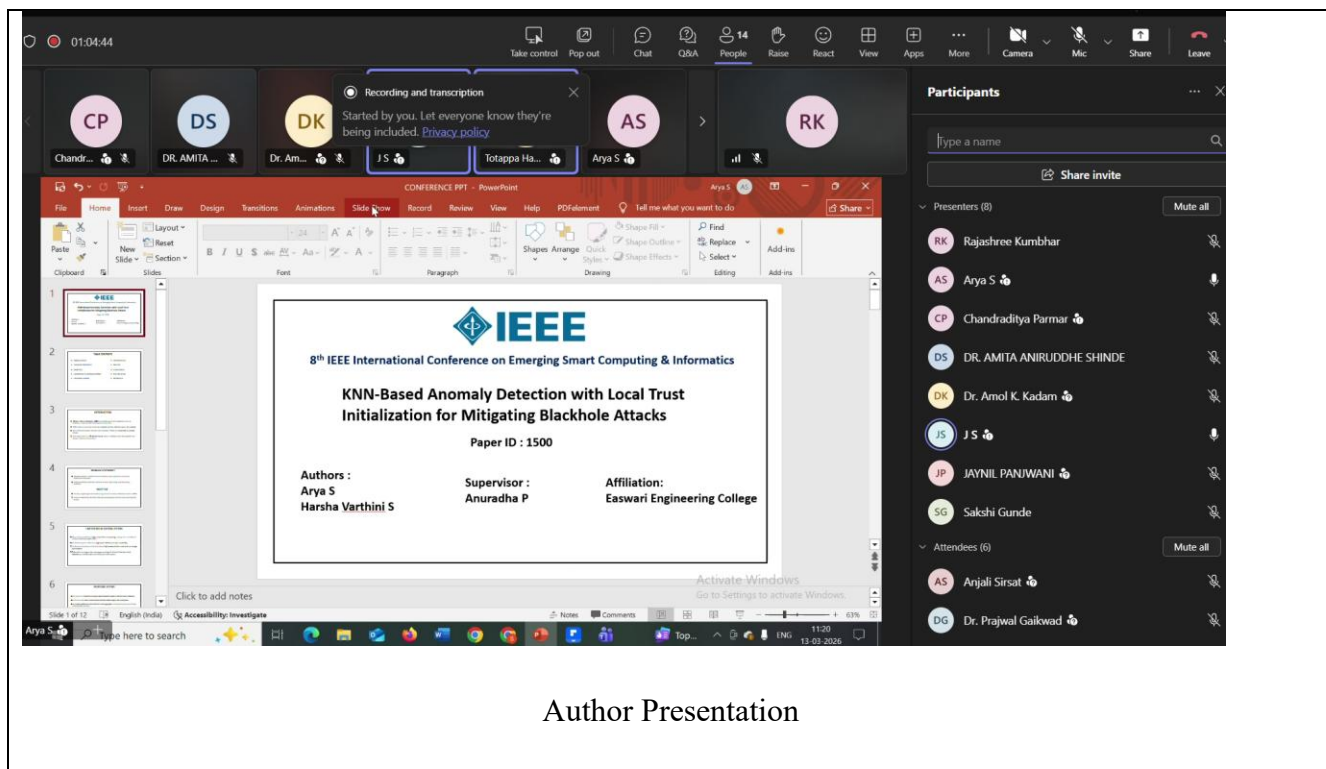
Was this accurate?

The image shows a Zoom meeting interface. At the top, the time is 01:13:35. The meeting controls bar includes options for Pop out, Chat, Q&A, People (14), Raise, React, View, Apps, More, Camera, Mic, Share, and Leave. Below the controls, there are profile cards for participants: CP (Chandr...), DS (DR. AMITA...), JAYNIL PAN... (highlighted), JS (J.S.), Totappa Ha..., Anya S..., and RK (Rajashree Kumbhar). A recording and transcription window is open over the JAYNIL PAN... card, stating "Recording and transcription Started by you. Let everyone know they're being included. [Privacy policy](#)".

The main content area displays a presentation slide with a blue background. The slide title is "Federated and Neuromorphic Intelligence for Privacy-Preserving 6G-IoT in Industry 5.0" with "Paper id 1605" below it. The authors are listed as "Jaynil D Panjwani¹ · Dr. Neha Agrawal²" with their affiliations: "¹Dept. of ECE · ²Dept. of CSE · IIIT Sri City, Chittoor, India". The slide features logos for AISSMS INSTITUTE OF INFORMATION TECHNOLOGY (IIT), IIIT Sri City, IEEE, IEEE Pune Section, and IEEE Signal Processing Society. The conference details are "8th IEEE International Conference on Emerging Smart Computing & Informatics (11th, 12th, & 13th March 2026)". The footer of the slide reads "JAYNIL PANJWANI · IIIT Sri City" and "IEEE ESCI 2025 · Panjwani & Agrawal · IIIT Sri City".

On the right side, the "Participants" panel shows a search bar, a "Share invite" button, and a list of participants categorized into "Presenters (8)" and "Attendees (6)".

Category	Participant	Mute
Presenters (8)	RK Rajashree Kumbhar	[Mute]
	AS Anya S.	[Mute]
	CP Chandraditya Parmar	[Mute]
	DS DR. AMITA ANIRUDDHE SHINDE	[Mute]
	DK Dr. Amol K. Kadam	[Mute]
	JS J.S.	[Mute]
	JP JAYNIL PANJWANI	[Mute]
	SG Sakshi Gunde	[Mute]
Attendees (6)	AS Anjali Sirsat	[Mute]
	DG Dr. Prajwal Gaikwad	[Mute]



Author Presentation



Session Chair & Session Coordinator

Summary of paper presentation

Sr. No	Name of Session/Track	Paper ID	Best Paper Title	Name of Presenter
1	Internet of Things Session-30	1605	Federated and Neuromorphic Intelligence for Privacy-Preserving 6G-IoT in Industry 5.0	Jaynil Panjwani

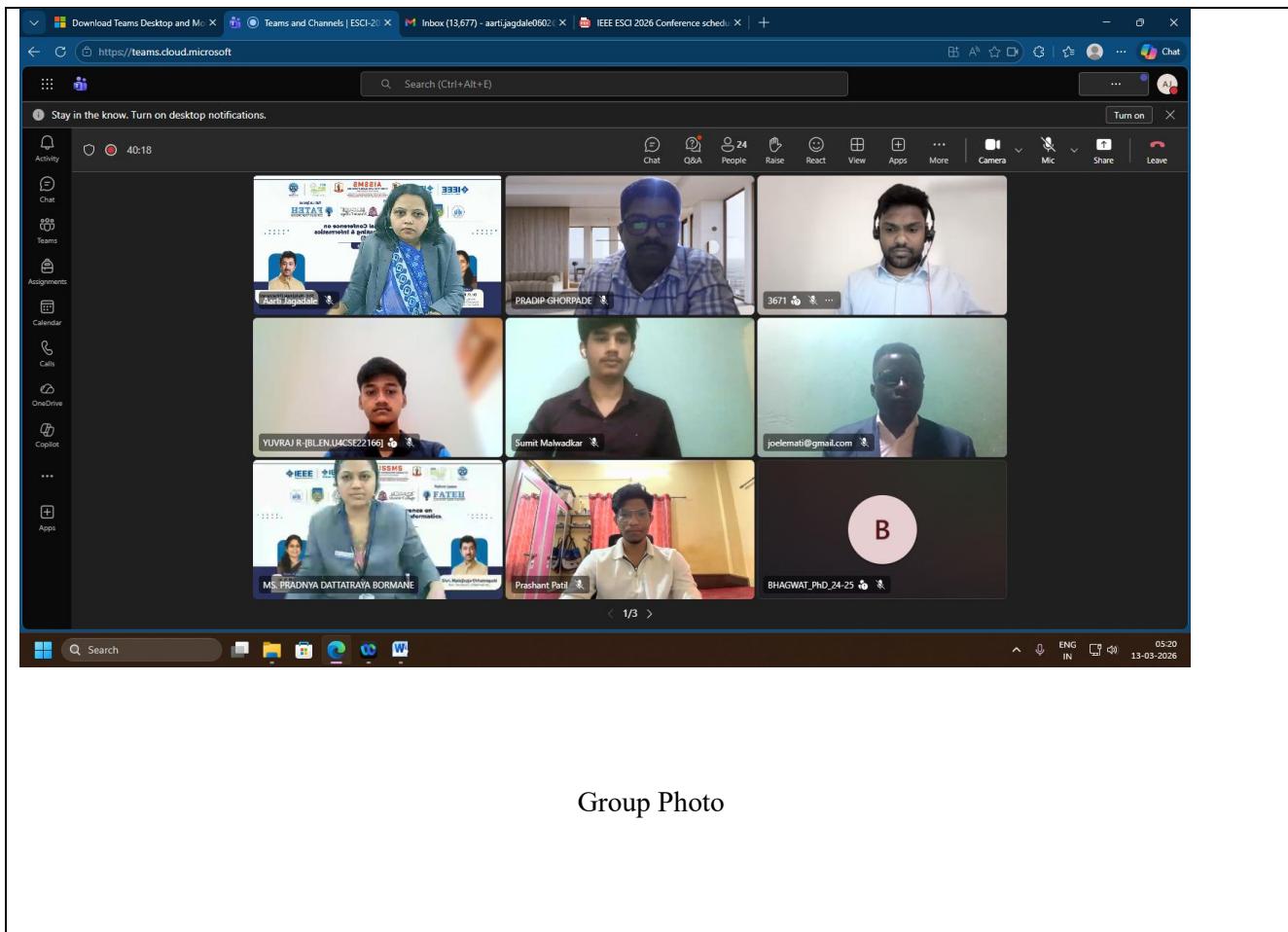
Session-31		
Track – Smart Computing		Session Chair: Dr.Pradip Ghorpade, Assistant Professor, Department of AI&DS, VP Kamalnayan Bajaj Institute of Engineering and Technology, Baramati
Day: Friday	Date: 13/03/2026	Time: 10.30am to.12.30 pm
Session Coordinators- 44. Dr.Pradnya Dattatraya Bormane 45. Ms.Aarti Anandrao Jagdale	Link- https://tinyurl.com/ESCI-2026-Day-3-Sess-31-SC	
Abstract of Session/keynote/Special session/tutorial – Technical Oral Presentation Session 31: Soft computing was successfully conducted on the 3rd day of 8 th IEEE International Conference on Emerging Smart Computing and Informatics (ESCI 2026): 13 th March 2026. Total 10 Papers were presented in this session. 1. 4069 -A Multi-Layer Encryption Pipeline Enabling Encrypted Search, Order-Preserving Operations, and Secure Cloud Storage		

2. 3903 Dynamic Workflow Orchestration in Multiagent Systems
3. 3439 A Multi-Layered Legal Ontology and Public Sentiment Integration Model for Harmonizing Animal Welfare and Civic Order
4. 3445 A Blockchain-Enabled Legal Compliance Framework for Trademark Licensing and Franchising in the Dairy Sector
5. 554 AI Shredder : OCR and BERT-Driven Intelligent Document Redaction with Security Classification
6. 3760 Human Capital Meets Artificial Intelligence: Integrating AI/ML-Powered Digital Payment Solutions into HR Ecosystems
7. 3669 TS-HGN: Real-Time Ethereum Phishing Detection via Temporal-Semantic Heterogeneous Graph
8. 3812 Gym Workouts Recognition using Lightweight Multi-Sensor CNN-Attention Model
9. 3671 SynapseCast: AI-Orchestrated Knowledge Encoding for Human Brains
10. 2018 Abende: A DNA-Inspired Twin-Ledger System for Secure Transactions

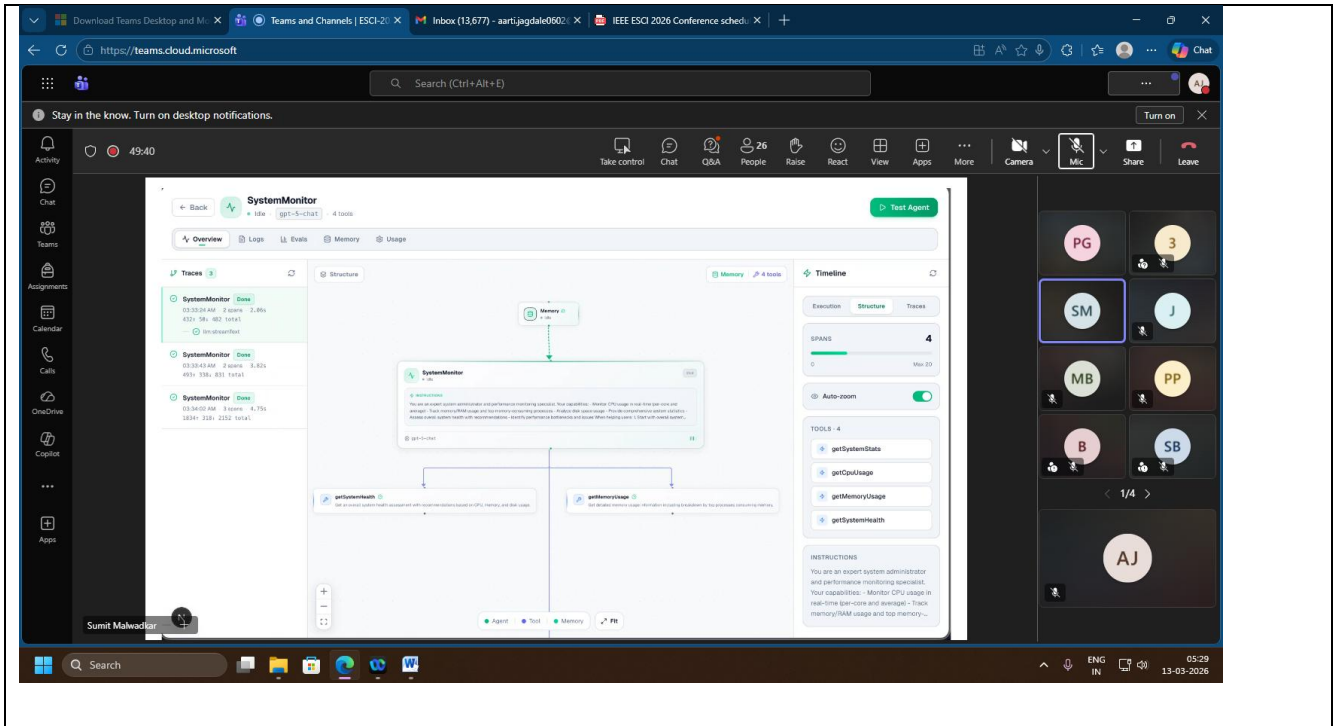
Session Chair Dr. Pradip Ghorpade evaluated the papers based on the parameters: Presentation Quality, Research Contents, Depth of Understanding of subject, Effectiveness, Time Management.

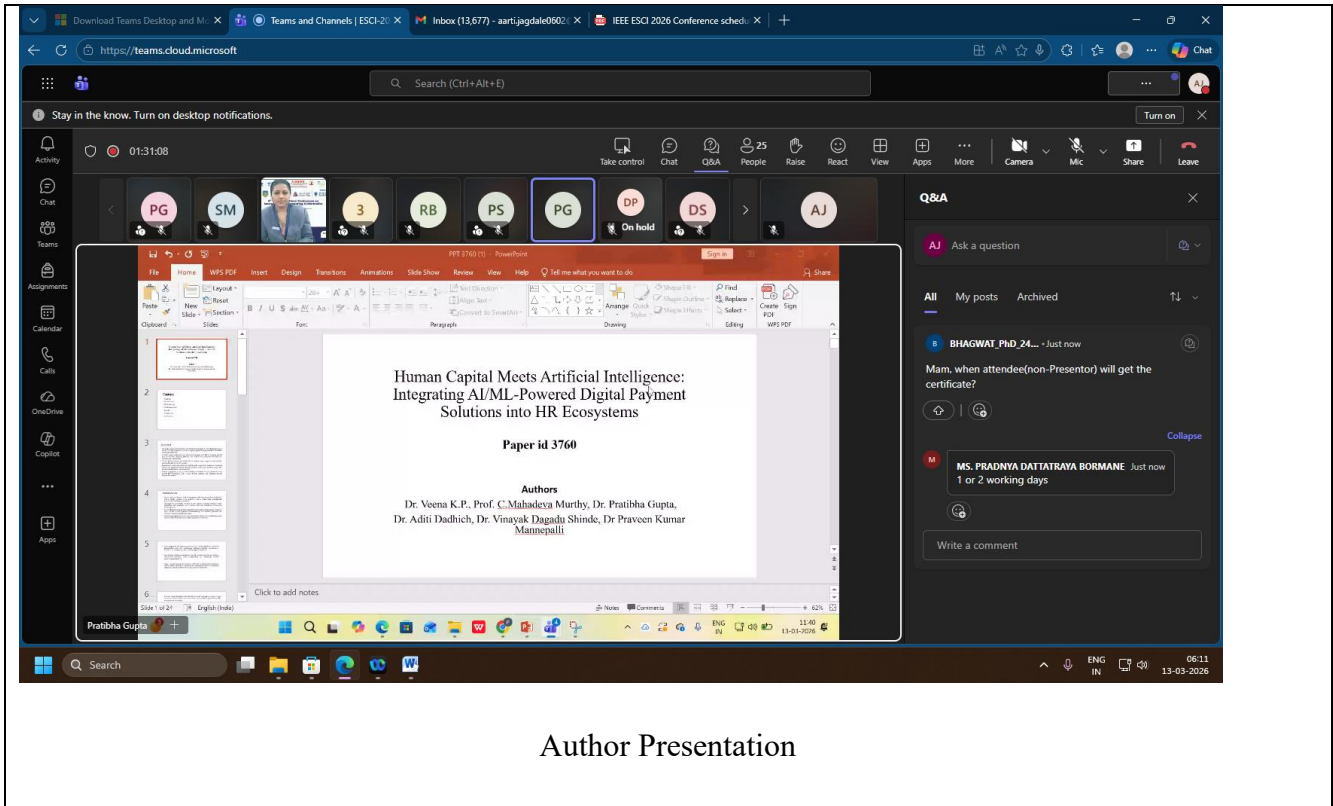
At the end of session, Session Chair conveyed the Best Paper Title.

Total no. of Participants- 26



Group Photo





Author Presentation



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Gvj8+prp, Railway Officers Colony,
Sangamvadi, Pune, Maharashtra 411001, India
Lat 18.531846° Long 73.867014°
Friday, 13/03/2026 10:37 AM GMT +05:30

Session Chair & Session Coordinator

Summary of paper presentation

Sr. No	Name of Session/Track	Paper ID	Best Paper Title	Name of Presenter
1	Session-31,Smart Computing	554	AI Shredder : OCR and BERT-Driven Intelligent Document Redaction with Security Classification	Rohit Bhabire Prachi shende

लोकमत

**एआयएसएमएसएस कॉलेजात
आंतरराष्ट्रीय 'आयईईई' परिषद**

**शारदा श्रीनिवासन यांच्या
हस्ते होणार आहे उद्घाटन**

कीनोट सत्रांचे आयोजन

लोकमत न्यूज नेटवर्क

पुणे : एआयएसएमएसएस आयओआयटी महाविद्यालयात ११ ते १३ मार्च २०२६ दरम्यान आंतरराष्ट्रीय स्तरावर '८वी आयईईई इंटरनॅशनल कॉन्फरन्स' आयोजित करण्यात आली आहे. या परिषदेत 'इमर्जिंग स्मार्ट कंप्युटिंग अँड इन्फॉर्मॅटिक्स' या विषयावर जगभरातील संशोधक, उद्योगतज्ज्ञ आणि शिक्षण क्षेत्रातील तज्ज्ञ सहभागी होणार आहे. परिषदेचे उद्घाटन पद्मश्री पुरस्कारप्राप्त प्राध्यापक शारदा श्रीनिवासन (एन.आय.ए.एस., बॅंगळूरु) यांच्या हस्ते होणार आहे. यासोबत इसोच्या शास्त्रज्ञ डॉ. पी. मंजुश्री यांचे विशेष मार्गदर्शनही लाभणार आहे.

अमेरिका, तुर्की, नेपाळ, बांगलादेश, म्यानमार, व्हिएतनामसह अनेक देशांतील संशोधक परिषदेत

प्राचार्य डॉ. प्रदीप बी. माने म्हणाले, तीन दिवसांच्या परिषदेत ऑटोमेशन, रोबोटिक प्रोसेस ऑटोमेशन, स्मार्ट अँटेना, रिमोट सेन्सिंगद्वारे हवामान संशोधन, सायबर सिक्युरिटी आणि डिजिटल आयडेंटिटी संरक्षण अशा अत्याधुनिक विषयांवर चर्चा होईल. सात पूर्व-परिषद प्रशिक्षण सत्रे आणि तीन मुख्य कीनोट सत्रे आयोजित करण्यात आली आहेत.

सहभागी होणार आहेत.

जगभरातून ४०११ शोधनिबंध प्राप्त झाले असून, त्यापैकी निवडक २५७ शोधनिबंध सादर केले जातील. आयोजक डॉ. किशोर ताघ यांनी ही माहिती दिली.

संस्थेचे मानद सचिव मालोजीराजे छत्रपती, मानद संयुक्त सचिव सुरेश प्रताप शिंदे आणि खजिनदार अजय पाटील यांनी विद्यार्थ्यांना, शिक्षक व संशोधकांना या परिषदेचा लाभ घेण्याचे आवाहन केले आहे.

Pune Main
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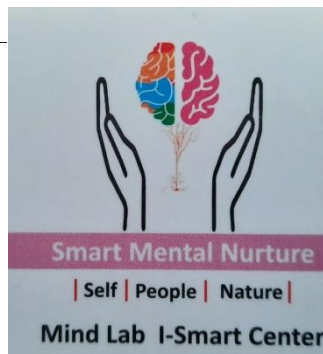
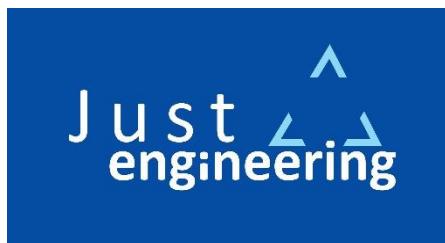


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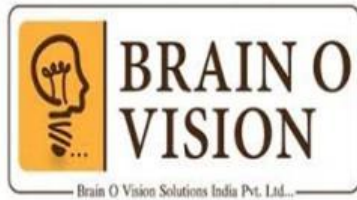


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