



AISSMS
INSTITUTE OF INFORMATION TECHNOLOGY
(IOIT)



ADDING VALUE TO ENGINEERING

An Autonomous Institute Affiliated to Savitribai Phule Pune University
Approved by AICTE, New Delhi and Recognised by Govt. of Maharashtra
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IEEE



5th IEEE International Conference on Emerging Smart Computing and Informatics.

ESCI-2023

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

5th IEEE International Conference on Emerging Smart Computing and Informatics (ESCI-2023)

Hybrid Conference- 1st –3rd March, 2023

Technically Co-Sponsored by



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Science and Engineering Research Board



Organized By

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



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Compiled & Editing by-
Media & Publication Committee
AISSMS IOIT, Pune.

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Table of Contents

Our Heritage	1
About Institute	2
Messages	3
Conference Committee	17
ESCI2023 Programme Schedule	22
Inauguration Function	35
Technical Summery	40
Preconference Tutorials	44
Keynote sessions	57
Technical Presentation sessions	67
Valedictory Function	89
Takeaway of Conference	91
Media Coverage	92
Annexure	1

ESCI-23 Highlights

Session/Keynote/tutorial participation Summery	
<i>Total Papers submission</i>	810
<i>Accepted papers</i>	197 (Acceptance ratio-24%)
<i>Registered papers</i>	134
<i>Papers from abroad</i>	38
<i>Papers from India</i>	772
<i>Papers outside Maharashtra</i>	309
<i>No. of special sessions</i>	14
<i>Total no. of papers received through special sessions</i>	210
<i>Papers registered through special sessions</i>	45
Session Summery	
<i>No. of paper presentation sessions</i>	22
<i>Keynote sessions</i>	5
<i>Tutorial sessions</i>	6
<i>No of participants for sessions</i>	1612

Best Papers

Sr.No	Session number	Paper ID	Best Paper Title	Name of Presenter
1	1	28	State of the art challenges and technique for 5G and 6G using Software defined network	Shailesh Bendale
2	2	40	Predicting Risky Environment for Child Inside House using Deep Learning	Deepak Singh
3	3	226	Threat Detection and Rescue using Machine Learning	Ananya Manikandan
				Ashish Hameed
				Hema R
4	4	301	Posture Monitoring Apparatus For Pysiotherapy	Shruti Dalvi
				Kalyani Dalvi
				SharvariDeshpande
				Aradhana Bakare
				Anagha Panditrao
5	5	424	Image Fusion using Xilinx System Generator for MRI and CT Medical Image Modalities	Neelima Koppala
6	6	525	Automatic Question Generation from Textual data using NLP techniques	Amrut P Kulkarni
7	7	390	Malware Detection Using Efficientnet	Sandip Shinde
8	8	543	Optimization of a Consensus Protocol in Blockchain-IoT Convergence	Manpreet Kaur Mand
9	9	609	Eye Gesture Interface and Emotion Detection Tool	Gaurav Kulkarni
				Vaidehi Deshmukh
				Rohit Kulkarni
10	10	567	Patient's health analysis using machine learning	Kamurthi Ravi Teja
11	11	626	Mitigation of Straggler in Virtual Machine Stack Using Supervised Learning Methodology	Reshma S. Gaykar
12	12	249	Multi-Classification of Non-Proliferative Diabetic Retinopathy	Shalini.R.
13	13	350	Evaluation of Induction Motor Drives Efficiency using ARM-7 based VSI	Yogesh K. Kirange
14	14	273	Bi-LSTM based Interdependent Prediction of Physiological Signals	Sumaan Ali

Sr.No	Session number	Paper ID	Best Paper Title	Name of Presenter
15	15	652	AI and BIM-Based Construction Defects, Rework, and Waste Optimization	Pradnya Desai
15	15	652	AI and BIM-Based Construction Defects, Rework, and Waste Optimization	Sayali Sandbhor
16	16	311	IOT Devices Using Supervised Machine Learning Models for Anomaly Based Intrusion Detection	Usha Divakarla
17	SP1	SB10	Optimal FIR Filter Design using Invasive Weed Optimization with Horizontal Crossover Operator	Teena Mittal
18	SP2	RT18	Learning Aided Intelligent Mechanism for Channel Estimation in 5G Wireless Networks	Sakhshra Monga
19	SP3	MG07	A Detailed Investigation and Analysis of Using Machine Learning Techniques for Thyroid Diagnosis	Raj Gaurang Tiwari
20	SP4	SP03	An Efficient Base Station Sleeping Configuration for Ultra-dense Networks	Garima Chopra
21	SP5	SH6	Hand Landmark Distance Based Sign Language Recognition using MediaPipe	Priya K
22	SP6	PA30	A Study on Real-Time Signal Observations Acquired by Multi-Frequency Multi-GNSS Septentrio PolaRx5 Receiver.	S. Towseef Ahmed

ESCI-23 Report



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 statue 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

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 5th IEEE International Conference on Emerging Smart Computing and Informatics (ESCI-2023) 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**

Greetings from Hon'ble Minister



Chandrakant (Dada) Patil

Office : 302, Mantralaya (Annexe),
Madam Cama Road, Mumbai - 400 032.
✉ : cbpatil.minister@gmail.com
☎ + 91 22 2202 4751 / 2202 5398

:: GREETINGS::

I am glad to learn that All India Shri Shivaji Memorial Society's Institute of Information Technology, Pune is organizing "5th IEEE International Conference on Emerging Smart Computing and Informatics (ESCI-2023)" during March 1st and 3rd 2023.

Technology can be a source of tremendous optimism. It can help data to understand how improvements can be made. It tracks and analyses what's going on to deliver better results in the future. This entails that processes and systems become more efficient, and you as a person become more productive. A very appropriate theme has chosen in the light of what the country and the world needs today. It's also pleasure to note that the institution is greatly focusing and working tirelessly to realize the vision of the Founder chairman with the commendable objective of quality education.

I convey my best wishes to the Principal, Staff and Students of AISSM IOIT, Pune and appreciate their efforts towards providing quality education to their students.

C. B. Patil

(Chandrakant (Dada) Patil)

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. नितीन र. कर्मळकर

कुलपति

Prof. Nitin R. Karmalkar

Vice Chancellor



दूरध्वनी : (कार्यालय) ०२०-२५६९३८६८

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MESSAGE

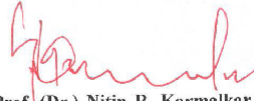
It is of immense pleasure to know that All India Shri Shivaji Memorial Society's Institute of Information Technology (AISSMS IOIT), Pune; Maharashtra, India is organizing its 3rd IEEE International Conference on Emerging Smart Computing & Informatics (IEEE-ESCI 2021) in continuation to the IEEE ESCI 2020. The theme of the conference takes an in depth looks at many topics related to Smart Computing, Internet of Things and Image and Signal Processing.

This conference is a step towards achieving vision of Savitribai Phule Pune University in becoming a world class academic and research University in order to produce human capital with high quality skill sets. The University is committed to promote innovations, cultivate research and imbibe the principles of knowledge to wealth generation.

This conference will surely encourage learning ability among the participants coming from diverse cultures. I firmly believe that the participants will work in partnership with the teams of people coming from wide range of diversified backgrounds and countries.

I would like to congratulate the All India Shri Shivaji Memorial Society's Institute of Information Technology, Pune for their commitment in organizing this conference. No doubt, that this conference will be able to provide a platform towards strengthening relationships in knowledge sharing while at the same time provide the necessary thrust in joint research collaborations within the research community and will provide new ideas in this era of new normal.


My best wishes for the successful organization of this conference!


Prof. (Dr.) Nitin R. Karmalkar
Vice-Chancellor

Ref. No.VC/३२


Date : १८/०२/२०२१

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.



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प्राध्यापक कारभारी वि. काळे
कुलगुरु

Professor Karbhari V. Kale
Vice Chancellor

दूरध्वनी : (कार्यालय) ०२०-२५६२१०१७
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MESSAGE

It is of immense pleasure to know that All India Shri Shivaji Memorial Society's Institute of Information Technology (AISSMS IOIT), Pune; Maharashtra, India is organizing its 5th IEEE International Conference on Emerging Smart Computing & Informatics (IEEE-ESCI 2023) during 1st - 3rd March 2023 at AISSMS IOIT, Pune. The theme of the conference takes an in-depth look at many topics related to Smart Computing, Image, Signal Processing, and IoT.

No doubt, this conference is a step towards fulfilling the vision of Savitribai Phule Pune University to become a world-class Academic and Research University by carving its students with multidimensional skills and knowledge by creating awareness about the latest development in the era of technologies. The University is committed to promoting innovations, and research and imbibing the principles of knowledge generation. I am confident that, this conference will surely encourage learning ability among the participants coming from diverse cultures.

I would like to congratulate the Management of the All India Shri Shivaji Memorial Society's Institute of Information Technology, Pune, and would like to appreciate the efforts taken by the members of the Organizing Committee for organizing this International Conference.

I am sure that this conference will surely provide an allied platform for strengthening the relationships both at the national as well as at the international level in terms of knowledge sharing and providing impetus to increase joint research collaborations. I believe that this conference will play a pivotal role in fostering new ideas for a better tomorrow. My best wishes for the success of this conference!



Prof. (Dr.) Karbhari V. Kale
Vice-Chancellor

Ref. No.VC/442
Date : 12 DEC 2022

Message from President



Shrimant Shahu Chhatrapati Maharaj
President
All India Shri Shivaji Memorial Society,
Pune

It is a matter of contentment and pride for all of us that AISSMS Institute of Information Technology, Pune, is organizing its 5th IEEE International Conference on Emerging Smart Computing & Informatics (IEEE-ESCI 2023) from 1st to 3rd March 2023 on a consistent basis. 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). We are organizing the International Conference with a vision, and is significant for professionals as well as academia. We are making a step forward to focus on innovative concepts, best practices and continuous improvisation. It is imperative that such conferences provide the exchange of views and ideas among academia, research community and industry experts. It aims to promote and generate multi-disciplinary interest in all areas of Engineering and Technology. This conference will provide foundation for scholars to potential smart computing and informatics applications. The enthusiasm, dedication, and passion of the organizing team will go above and beyond to meet your expectations and make this conference a success.

Message from Hon. Secretary



Shri Malojiraje Chhatrapati

Hon. Secretary

All India Shri Shivaji Memorial Society, Pune

I am delighted to welcome all research scholars, academicians, students, and technology enthusiasts from academia and industry for the 5th IEEE International Conference on Emerging Smart Computing & Informatics (IEEE-ESCI 2023), which is organized by AISSMS Institute of Information Technology. 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). AISSMS organization provides high-quality education, values, and one of its example is the staging of international conferences.

I am confident that this conference will provide a great opportunity for a global group of scientists, scholars, researchers, and industry specialists to come together and discuss their contributions to science and technology. Joint international initiatives for the exchange of views and ideas are important efforts for promoting and providing the finest possible research interest in all disciplines of engineering and industry.

I congratulate and appreciate all members of the AISSMS Institute of Information Technology, Pune team for their unwavering commitment for organizing IEEE-ESCI 2023 and their tireless efforts to ensure the event’s success.

I’m expecting that all the attendees will gain a significant value from the conference. Best wishes for a successful, productive, and prosperous conference.

Message from Chair



Dr. Surekha Deshmukh
*Chair IEEE Pune
Section, Pune*

It gives me immense pleasure to congratulate to All India Shri Shivaji Memorial Society's Institute of Information Technology (AISSMS IOIT), Pune for organizing consecutive 5th IEEE International Conference on Emerging Smart Computing & Informatics (IEEE-ESCI) during 1st -3rd March 2023.

IEEE and the IEEE Pune section are committed to developing innovation and technological excellence for the benefit of humanity at all times. The use of technology in India is expected to rise as a result of the Government of India's Digital India Initiative. This conference will bring together experts and researchers from various sectors to exchange their approaches and experiences, as well as to plan collaborative projects.

I would like to thank all of the participants for their excellent contributions and research in the fields of Smart Computing, Internet of Things and Image & Signal Processing. I sincerely hope that their study will benefit humanity in all aspects of life. I'm also optimistic that the talks among attendees at this IEEE conference will help them solidify existing ideas and explore new ones.

I convey my best wishes to AISSMS IOIT for creating such a global platform that shall enrich the existing knowledge with innovative and path breaking research contributions.

I wish the conference all success.

Message from General Chair

We extend a warm welcome to all invitees, delegates, academia, industrial experts, and exhibitors from around the world for the 5th IEEE International Conference on Emerging Smart Computing & Informatics (IEEE ESCI 2023), which will be held at AISSMS's Institute of Information Technology, Pune, IEEE Pune Section, and IEEE Signal Processing Chapter, Pune from March 01 to 03rd, 2023. The entire organizing team's tireless efforts have brought this wonderful event to the scholarly community. We want to offer our sincere gratitude to each and every one of them for their extraordinary efforts.

The conference has provided a forum for research scholars, academic technocrats, and industry specialists to engage, exchange, and discuss their unique research ideas and contributions. The conversations, brainstorming sessions, and deliberations reveal the growing trends in smart computing and informatics' potential power, problems, issues, and concerns.

We want to express our gratitude to the entire IEEE-ESCI 2023 team, as well as the reviewers. A grand-scale conference would not be possible without the active participation, efforts, and support of all stakeholders. Last but not the least, we would want to express our gratitude to all of the authors, dignitaries, and invited speakers for their time and expertise. We owe a huge debt of gratitude to the AISSM Society and IEEE for allowing us to put on such a fruitful conference.

We wish all participants a good conversation and excellent contributions on behalf of the entire ESCI 2023 team. With best regards,



Dr. P. B. Mane
*General Chair IEEE
ICESCI-2022, Pune*



Dr. Amar R Buchade
*Vice-chair,
IEEE Pune Section*

Message from Organizing Chair

It gives us immense pleasure to welcome all the Research scholars, Industry experts, Faculty members & students for the 5th IEEE International Conference on Emerging Smart Computing & Informatics (IEEE ESCI 2023) scheduled on 1-3rd March 2023 at AISSMS IOIT Pune.

This conference provides a fantastic opportunity for scholars to network interact, and meet world-renowned professionals while learning, exchanging ideas, and solving problems. Many high-quality expert conversations are expected to assist students and young researchers in learning about Smart Computing and Informatics. World-class keynote speeches, instructional talks, and special sessions will be presented by scholars and experts from academia, industry, and research organizations at IEEE ESCI-2023. The overwhelming response of researchers to paper submission is a matter of pleasure to note.

The participation of all the presenters at IEEE ESCI 2023 will enrich their experience with good interactions with international technical community.

These contributions were subjected to a rigorous evaluation process by an intellectual review panel comprised of professionals in respective disciplines. Submissions for presentation and, as a result, publication in the proceedings are encouraged. As a result, we are convinced that the discussions & deliberations will be of the greatest level and that the presentations will be successful.

It's exciting to see the overwhelming positive response from researchers to research submissions.

All presenters' involvement in IEEE ESCI 2023 will expand their experience by allowing them to interact with members of the international technical community.

We are certain that this conference will bring people from similar fields together to exchange their innovative ideas and experiences, as well as to work on joint projects.



Dr. Yogesh P. Patil
Organizing Chair
IEEE ICESCI-2023, Pune



Dr. Vivek Deshpande
Organizing Chair
IEEE ICESCI-2023, Pune

Message from Technical Program Chairs



Dr. Meenakshi Thalor
Technical Program Chair
IEEE ESCI-2023

On behalf of the Technical Programme Chair Committee, we thank you for participating in the IEEE International Conference on Emerging Smart Computing and Informatics (ESCI-2023).

ESCI-2023 brings together researchers, academics, industry experts, and education leaders from all over the world to discuss an incredibly wide array of topics including Smart Computing, Artificial Intelligence, Image Processing, Internet of Things (IoT), Industry 4.0, Smart Services, Communication Networks and many more. The Technical Program of IEEE ESCI-2023 consists of 03-tracks and 14 special sessions, featuring emerging areas of applications. The conference also features with 7 Pre conference tutorials on recent topics like, “Business Intelligence and Data Analytics”, “Need and Importance of Industrial Automation”, “AI-Based Modeling Towards Automation, Intelligent and Smart Systems”, “AI & Data Science”, “Multimodal Information Processing” and “Applications of AI-ML in the field of Electrical Engineering”. During the conference 7 keynotes session related to emerging and smart computing field are conducted by distinguished speakers.

We received a total of 810 paper submissions for the conference, out of which 197 papers have been accepted and 134 papers have been registered for presentation and publication in the conference proceedings, yielding an acceptance rate of 24.3%. The submitting authors originate from various countries from all parts of the world. Every paper went through a rigorous review process, and at the end quality research work is promoted through this conference. We express our sincere thanks to Organization Committee, Advisory Committee, Track Chairs, Registration Committee, Publication Chairs, Program Chairs, and Paper Reviewers for their valuable work in shaping the Technical Program.

Enjoy conference with your friends and colleagues as well as impromptu discussions with locals!

Chief Guest



Prof. Nagappa Ganesh Krishnarajagar

Prof. Nagappa Ganesh Krishnarajagar (born 1953) obtained his B.Sc (1970) and M.Sc (1972) degrees in Chemistry from Bangalore University and did his Ph.D (1976) in Chemistry at Delhi University. He was awarded a Commonwealth Fellowship to pursue higher studies University of Cambridge, UK that resulted in another Ph.D degree in 1980. He joined the Centre for Cellular and Molecular Biology (CSIR) at Hyderabad in 1981 where he established India's first DNA synthesis facility, initiating a vigorous research programme to discover new motifs of DNA-protein interactions and PCR based diagnostics for then prevalent HIV. In 1987, he relocated to National Chemical Laboratory (NCL-CSIR) where he became the Head of Organic Chemistry Division in 1994.

He was chosen as the First Director of the newly founded Indian Institute of Science Education and Research (www.iiserpune.ac.in) at Pune In 2006. Dr Ganesh has made excellent research contributions to the chemistry and biology of nucleic acids, focusing on therapeutic and diagnostic applications of DNA analogues, structural biology of collagen peptides and the emerging area of DNA nanotechnology. He is internationally recognised for his original and creative contributions to design of Peptide Nucleic Acid (PNA) analogues for effective cell permeation. He has more than 170 publications in reputed international journals, 2 international patents and guided 45 students for their doctoral degrees.

Prof Ganesh is a Fellow of all the 3 Science Academies in India and also a Fellow of The World Academy of Sciences (TWAS). He served as the President of Division of Organic and Biomolecular Chemistry of IUPAC (2012-2013). Prof Ganesh has received innumerable professional awards, the most

important ones being Shanti Swarup Bhatnagar award of Chemical sciences (CSIR) and TWAS Prize for Chemical Sciences, SASTRA-CNR Rao Award of SASTRA University (2015), HK Firodia Vijnan Bhushan Award (2015) and National Researcher Award in Nanoscience and Technology (2016).

He has served as a Member of the various policy making and Project Advisory Committees of Department of Science & Technology (DST) and Department of Biotechnology (DBT), Government of India and as past Chairman of Indian Committee of Lady Tata Memorial Trust. He was a member of Nanoscience Advisory Group of DST Nanoscience mission; he has served as Chairman, DBT Taskforce on Nanobiotechnology; has served as Chairman, Finance Committee of India Alliance – Wellcome Trust DBT; and as Former Chairman of Research Advisory Council of Institute of Nanoscience and Technology, Chandigarh.

He has served as a member of the Editorial Advisory Boards of various journals: Chemistry, An Asian Journal (Wiley), J Organic Chemistry (ACS), Beilstein J Organic Chemistry and Oligonucleotides. He is the Founding Editor for ACS Omega

(since April 2016) - the first open Access Journal from American Chemical Society and is currently leading its editorial team. He is a past member of Editorial Advisory Board (EAB) of J. Organic Chemistry; Accounts of Chemical Research (2022) and currently EAB member of ACS - Chemical Reviews.

In recognition of his scientific contributions, Prof Ganesh was conferred Degree of Doctorate of Science (honoris causa) by Vidyasagar University (West Bengal) in January 2017. Foremost, as the First and Founding Director of IISER Pune (www.iiserpune.ac.in), June 2006-October 2017), Prof Ganesh provided great leadership in Institution building to establish IISERs as brand science education and research institutes, now attaining international recognition.

He was also the mentor Director of 6th IISER at Tirupati (www.iisertirupati.ac.in) since February 2015 and assumed charge of its full time Director in November 2017. He now has the rare and unique distinction of being the First and Founder Director of two IISERs - Pune and Tirupati.

Keynote Speaker



Jerry Gao, Professor,
Research Center
Director, San Jose State
University

Bio - Dr. Jerry Gao is a professor at San Jose State University for Computer Engineering Department and Applied Data Science Department. Now, he is the director of SJSU research center on Smart Technology, Computing, and Complex Systems. Since 2020, Dr. Gao has served as the steering committee board chair for IEEE International Congress on Intelligent Service-Oriented Systems Engineering (IEEECISOSE), and Steering Committee Board Members for IEEE Smart World Congress. He had over 24 years of academic research and teaching experience and over 10 years of industry working and management experience on software engineering and IT development applications. He has published three technical books and over hundreds (300) publications in IEEE/ACM journals, magazines, international conferences, and workshops. In last 10 years, Dr. Gao has played as one key organizer for several IEEE international conferences and workshops, including IEEEAITest2021, IEEE BigDataService2020, IEEE Smart World Congress 2017, IEEE Smart City Innovation 2017, SEKE2010-2011, IEEE MobileCloud2013, and IEEE SOSE2010-2011. His current research areas include cyber-physical systems and intelligence, green and sustainable smart cities, smart agriculture, AI test automation, smart machine Cloud AI. Dr. Gao's research and publications received lots of citations in the research community, for example, his Google Scholar citation is over 7800+, and his ResearchGate has more 289K readings. In 2010, Jerry Gao has been recognized by University of Texas at Arlington as a distinguished Alumna for College of Engineering at its 50th anniversary. In 2011, he was award as a KSI Fellow in SEKE2011. In 2013, Dr. Gao has received the College of Engineering Faculty Award for Excellence in scholarship. Recently, Dr. Gao has been recommended and listed as Marquis's American Who's Who 2020-2021, and Marquis's Industry Leaders in 2021.

**Shiwen Mao**

Director, Wireless Engineering Research and Education Center (WEREC)
Auburn University, Auburn, AL, USA

Bio - SHIWEN MAO is a professor and Earle C. Williams Eminent Scholar, and Director of the Wireless Engineering Research and Education Center (WEREC) at Auburn University, Auburn, AL, USA. His research interest includes wireless networks, multimedia communications, and smart grid. He is a Distinguished Lecturer of IEEE Communications Society (ComSoc) and the IEEE Council of RFID. He is the Editor-in-Chief of IEEE Transactions on Cognitive Communications and Networking and on the Editorial Board of several other IEEE and ACM journals. He received the IEEE ComSoc TC-CSR Distinguished Technical Achievement Award in 2019 and NSF CAREER Award in 2010. He is a co-recipient of the 2021 Best Paper Award of Elsevier/KeAi Digital Communications and Networks Journal, the 2021 IEEE Internet of Things Journal Best Paper Award, the 2021 IEEE Communications Society Outstanding Paper Award, the IEEE Vehicular Technology Society 2020 Jack Neubauer Memorial Award, the 2004 IEEE Communications Society Leonard G. Abraham Prize in the Field of Communications Systems, and several conference or ComSoc best paper/demo awards. He is a Fellow of the IEEE.

**Marco Di Renzo**

*CNRS Research Director (Professor) Head,
Intelligent Physical Communications Group*
L2S-CentraleSupélec, Paris-Saclay University, Paris, France

Bio - Marco Di Renzo is a CNRS Research Director (Professor) and the Head of the Intelligent Physical Communications group in the Laboratory of Signals and Systems at Paris-Saclay University - CNRS and CentraleSupélec. He serves as the Coordinator of the Communications and Networks Area of the Laboratory of Excellence DigiCosme, and as a Member of the Admission and Evaluation Committee of the Ph.D. School of Paris-Saclay University. He is a Fulbright Fellow at City University of New York, USA; a Fellow of IEEE, IET, AAIA, Vebleo; an Ordinary Member of EASA and the Academia Europaea; and a Highly Cited Researcher. He received the 2022 Michel Monpetit Prize from the French Academy of Sciences. He serves as the Editor-in-Chief of IEEE Communications Letters.

Keynote Speaker



Bruno Laurencich
Creator &Tech
Lead Chordata
Motion

Keynote Speech Topic: **Developing an open source motion capture framework in the 2020s**

Abstract: Motion capture technology is becoming more and more popular in recent years, and a fundamental tool in several disciplines such as videogame development, sports research and clinical analysis. In this talk we will review the experience behind Chordata Motion and their open source framework. Firstly developed as a personal side project, it is now empowering users from all over the world to deploy motion capture gears that adapt to their workflow instead of it having to be the other way around.



Ekkarat Boonchieng
Ph.D (IEEE Senior member)
Director, Center of Excellence in Community Health Informatics Deputy Dean
of Graduate School, Chiang Mai University

Bio - Ekkarat Boonchieng (Senior member, IEEE) received the B.S. degree in computer science with Khon Kaen University, the M.S. degree in computer science with University of New Haven and the Ph.D. degree in computer science with Illinois Institute of Technology. Now, he is an associate professor with Chiang Mai University of computer science, director of Center of Excellence in Community Health Informatics and Deputy Dean of Graduate School, Chiang Mai University. His current research interests include image processing, IOT, data science and biomedical engineering

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Mr. Pankaj Gaur

ESCI 2023 Programme Schedule

Pre Conference Tutorial Session Date : 28th February 2023, Tuesday

“Applications of AI-ML in the field of Electrical Engineering”

by **Mr. Gajanan Bejgamwar**

Manager Supply Chain Analytics and Optimization-TCS
Room No 213 10.15 am to 12 noon

“AI-Based Modeling Towards Automation, Intelligent and Smart Systems” by

Mr. Anand Nijampurkar

Certified Connected Manager (Harvard University), Engagement Manager (Capgemini),
Room No 505 10 am to 12 noon

“Business Intelligence and Data Analytics” by

Mr. Mahesh Balshetwar

Co-founder and Director
Intellify Solutions Pvt.Ltd
Room No 605 10 am to 12 noon

“AI & Data Science” by

Mr Yogesh Karpate

Principal Cofounder and Director, ChiStats Labs Pvt Ltd
Room No 305 11 am to 1pm

“Need and Importance of Industrial Automation” by

Mr. Parag Dandekar

Retired from Saarloha Advance Materials Pvt Ltd., Celestial Institute of Technology, Pune
Room No 704 9 am to 11am

“Multimodal Information Processing” by

Dr. Sriparna Saha

Associate Professor, Department of Computer Science and Engineering, Indian Institute of Technology Patna, India
Room No MPH 11 am to 1pm

Link : <https://tinyurl.com/Preconf-Tutorial>

Meeting No: 2515 298 8482

Password: esci2023

INAUGURAL FUNCTION

Chief Guest: Prof. K N Ganesh

Founder Director of Indian Institute of Science Education and Research (IISER) Tirupati, Padma Shree awardee 2023

Link : <https://tinyurl.com/ESCI-2023-Day-1-INAUGURAL> | Event number: 2515 298 8482 | Event Password: esci2023

Time: 10.00 AM TO 11.10 AM

LUNCH BREAK 1.00 PM-2.00PM

Keynote Talk-02 | Time: 2.00 PM to 3.00PM

Speaker: **Dr. Ekkarat Boonchieng**

Associate Professor Department of Computer Science,
Chiang Mai University, Chiang Mai, Thailand

Topic: Novel Minimization Algorithms and Applications to image restoration problems and data prediction

Coordinator : Mrs. S. M. Shaikh M: +919881667867

Room No.: Multipurpose Hall

Link: <https://tinyurl.com/ESCI-2023-Day-1-Keynote-2> | Meeting ID: 2518 493 1950 | Password: esci2023

Technical Oral Presentation Session 1: Smart Computing

Session Chair: Dr. Sarmila Kishor Wagh | Dr. Nilima Rakesh Dhumale

Session Coordinator: Mrs. Sheetal Kulkarni : +919766693286 | Ms.Pradnya Bormane : +919763722263

Link : <https://tinyurl.com/ESCI-2023-Day-1-Session-1> | Event number: 2513 165 6583 | Event password:esci2023

Time : 3.00 PM TO 5.00 PM

Sl. No.	Paper ID	Title
1	22	AI Application to Help You Improve Your Communication Skill
2	28	State of the art challenges and technique for 5G and 6G using Software defined network
3	37	Insight on Human Activity Recognition Using the Deep Learning Approach
4	38	Explicable AI for surveillance and interpretation of Coronavirus using X-ray imaging
5	41	An Enhanced Intelligent Algorithm On Fault Location System
6	46	Student Engagement Prediction in MOOCs Using Deep Learning
6	171	A Deep Analytics On Air Pollutants And Its Implications In Tamilnadu, India

Technical Oral Presentation session 2: Image & Signal Processing

Session Chair: Dr. S.T. Jadhav | Dr. Balasaheb Patil

Session Coordinator: Ms. Supriya Lohar : +919420132597 | Ms. Sonal Durgule : +919011862234

Link : <https://tinyurl.com/ESCI-2023-Day-1-Session-2> | Event number: 2510 468 6398 | Event password: esci2023

Time : 3.00 PM TO 5.00 PM

Sl. No.	Paper ID	Title
1	5	Horizontal Max Pooling a novel approach for noise reduction in Max Pooling for better feature detection in DNN
2	39	Cloud based Single Shot Detector Model for Speed Breaker Detection
3	40	Predicting risky environment for child inside house using deep learning
4	110	Real Time Face Recognition Based Attendance System using Multi Task Cascaded Convolutional Neural Network
5	195	BMLDWCS: Design of a hybrid Bioinspired model for Multilane Departure Warning & Control System to reduce accidents
6	354	Critical Analysis for Impact of Potato (Solanum Tuberosum) on Indian Overall Economy using Analytic Hierarchy Process (AHP)

Technical Oral Presentation Session 3: Smart Computing

Session Chair: Dr. Manoj Bangre | Dr. Navin Kumar

Session Coordinator: Mrs. Punashri Patil: +917387838462 | Mrs.Chitralkha Rananaware : +919284165920

Link : <https://tinyurl.com/ESCI-2023-Day-1-Session-3> | Event number: 2515 088 0550 | Event password: esci2023

Time : 3.00 PM TO 5.00 PM

Sl. No.	Paper ID	Title
1	220	Application of Cloud Computing in an Education Sector through Education and Learning as a Service and its Cost Benefit Analysis
2	226	Threat Detection and Rescue using Machine Learning
3	244	Smart Task Board: Complete web accessible solution to modern task management
4	252	A Comprehensive Review of Machine Learning for Financial Market Prediction Methods.
5	292	An Optimal Approach to Vehicular CO2 Emissions Prediction using Deep Learning
6	322	Bayesian Network based Optimal Load Balancing in Software Defined Networks
7	427	Freshness Index Prediction of Fruits and Vegetables from their Images using Machine Learning Techniques

Technical Oral Presentation Session 4: Internet of Things

Session Chair: Dr. Archana Choudhari | Dr. Rajesh Kumar Kaushal

Session Coordinator: Ms Supriya More: 9158769054 | Ms. Sharmila Garthe :+919623960727

Link : <https://tinyurl.com/ESCI-2023-Day-1-Session-4> | Event number:2515 902 5551 | Event Password: esci2023

Time : 3.00 AM to5:00PM

Sl. No.	Paper ID	Title
1	54	Performance analysis of VLC based Intelligent Transportation System
2	93	IoT-Based Smart Landslide Detection System (S-LDS)
3	245	Self- Regulated Robotic Illuminant Using NodeMcu(ESP8266)
4	301	Posture Monitoring Apparatus For Physiotherapy
5	312	An Detection of Cardiovascular Disease using Deep Learning
6	329	Contextual flow of information in tourism using BLE proximity detection to enhance the tourism experience.

DAY -2 : 2nd March 2023, Thursday

Keynote Talk -3 Time: 9:30AM– 10.30 AM

Speaker: Dr. Marco Di Renzo ,CNRS Research Director (Professor) Head, Intelligent Physical Communications Group
L2S-CentraleSupélec, Paris-Saclay University Paris, France

Topic: Reconfigurable Intelligent and Holographic Surfaces for Wireless Communications

Link : <https://tinyurl.com/ESCI-2023-Day-2-Keynote-1> | Meeting ID: 2514 036 0151 | Password: esci2023

Coordinator: Mrs. S. M.Shaikh M:+919881667867

Technical Oral Presentation Session 5: Image & Signal Processing

Session Chair: Dr. Arati Vyavahare | Mrs. Archana Ratnaparkhi

Session Coordinator: Mr. Nitin Bhone:+919021185621 | Mrs. Swati Kadu: +91 9561586490

Link : <https://tinyurl.com/ESCI-2023-Day-2-Session-5> | Event number:2512 141 4710 | Event Password:esci2023

Time: 10.00 AM to 12.00PM

Sl. No.	Paper ID	Title
1	304	Denoising of SAR Images using Wavelet Transforms and Wiener Filter
2	315	Review of Features and Classification for Spoken Indian Language Recognition using Machine Learning and Deep Learning Techniques
3	241	Improved Audio Filtration using IIR Filter
4	384	Real Time CCTV Violence Detection System Using Deep Learning
5	424	Image Fusion using Xilinx System Generator for MRI and CT Medical Image Modalities
6	450	Image De-noising with Hexagonal Structures Using Adaptive Recursive Filter

Technical Oral Presentation Session 6: Smart Computing

Session Chair: Dr. Kushal Khairnar | Dr. Joyti Deshmukh

Session Coordinator: Mr. Prashant Wakhare:+919673470986 | Ms. A.A. Athawale : +918797064679

Link : <https://tinyurl.com/ESCI-2023-Day-2-Session-6> | Event number:2518 153 9811 | Event Password:esci2023

Time: 10.00 AM to 12.00 PM

Sl. No.	Paper ID	Title
1	448	Android Based Smart Appointment System (SAS) for Booking and Interacting with Teacher for Counselling
2	453	Machine Learning Based Problem Solving Approach in Green Computing
3	465	Sentiment Analysis of Restaurant Reviews from Bangladeshi Food Delivery Apps
4	494	Online Transaction Anomaly Detection Model for Credit Card Usage Using Machine Learning Classifiers
5	525	Automatic Question Generation from Textual data using NLP techniques
6	526	Techniques to Estimate the Status of Legal Proceedings Considering Sequential Text Data
7	535	Comparative Analysis of Open-Source Vulnerability Assessment Tools for Campus Area Network

Technical Oral Presentation Session 7 : Internet of Things

Session Chair: Prof. Mandar Khurjekar | Dr. Pritesh Shah

Session Coordinator: Mr. Shivaji Gadadhe : +919096618989 | Ms. Amruta Aphale : +919518337237

Link : <https://tinyurl.com/ESCI-2023-Day-2-Session-7> | Event number: 2512 757 8313 | Event Password: esci2023

Time : 10.00 AM to 12.00PM

Sl. No.	Paper ID	Title
1	370	Development of A Cloud-Based Real-Time Sugar Warehousing Factor Analysis Platform
2	389	Detecting Malicious Nodes in IoT Networks Using Machine Learning and Artificial Neural Networks
3	390	Malware Detection Using Efficientnet
4	398	Anomaly Detection on Drone Forensic Timeline with Sigma Rules
5	419	Multiband PIFA for Mobile Applications
6	432	IoT Based Smart Attendance System

Technical Oral Presentation Session 8 : Internet of Things

Session Chair: Dr. Atul Joshi | Dr. Rupali Randive

Session Coordinator: Dr. Amol Deshmukh: +919561507100 | Ms. Sonali Nawale : +919822151244

Link : <https://tinyurl.com/ESCI-2023-Day-2-Session-8> | Event number: 2517 692 8864 | Event Password: esci2023

Time : 10.00 AM to 12.00PM

Sr. No.	Paper ID	Title
1	433	Home Automation using Augmented Reality
2	472	Design of Smart Pet Food Dispenser using Embedded System
3	502	Longitudinal Control for Closed Loop Simulation of Autonomous Driving Vehicle
4	543	Optimization of a Consensus Protocol in Blockchain-IoT Convergence
5	547	AQI Monitoring And Predicting System
5	555	An Effective Way To Identify Chronic Kidney Disease Using Machine Learning

LUNCH BREAK 1.00 PM-2.00PM

Keynote Talk -4 Time: 2.00 PM – 3.00 PM
Speaker: Prof. Bruno Laurencich
Creator & Tech Lead Chordata Motion Italy
Topic: Developing an open source motion capture framework in the 2020s
Link : <https://tinyurl.com/ESCI-2023-Day-2-Keynote-2> | Event number: 2518 339 4377 | Event password : esci2023
Coordinator: Mrs. S. M.Shaikh M: +919881667867

Special Session 1
Session Chair: Dr. Vikas Solanki | Dr. Jaiteg Singh
Session Coordinator: Ms. Sandhya Ahire : 9975152810 | Mr. Ashish Apate:+91 87664 14258
Link : <https://tinyurl.com/ESCI-2023-Special-Session-1> | Event number: 2514 050 7476 | Event password: esci2023
Time : 3.00 PM -5.00 PM

Sr. No.	Paper ID	Title
1	DN_10	Design And Implementation Of Crime Prediction Using Machine Learning Algorithm
2	SB_9	Stock Price Prediction By Applying Machine Learning Techniques
3	SB_10	Optimal FIR Filter Design using Invasive Weed Optimization with Horizontal Crossover Operator
4	SB_12	An Organized Method for Heart Failure Classification
5	SB_4	Deep Learning Based Hybrid Model For Severity Prediction of Leaf Smut Rice Infection

Technical Oral Presentation Session 9: Smart Computing
Session Chair: Mr. Ranjeet Bidwe | Dr. Amar Buchade
Session Coordinator: Mr.Sagar bhopale : +917020342868 | Mr. Shashikant Kale: +919975703571
Link : <https://tinyurl.com/ESCI-2023-Day-2-Session-9> | Event number: 2517 762 5655 | Event password: esci2023
Time : 3.00 PM -5.00 PM

Sr. No.	Paper ID	Title
1	575	A Dual-band Slotted Antenna with an Asymmetrical T-shaped Stub for Application in WLAN Systems
2	584	Automate Lifelong Hate Speech Detection: Current Challenge In Cross-Domain Adaption
3	587	Popularity Preserving Fair Matching
4	591	Mobile Robot Control Based on Virtual Impedance Force Feedback
5	594	Spectrum Inference in Cognitive Radio Networks with Machine Learning
6	609	Eye Gesture Interface and Emotion Detection Tool
7	64	A Broad Review on Traditional and Deep Learning based Object Detection Methods

Technical Oral Presentation Session 10: Internet of Things

Session Chair: Dr. Mukesh Ghobare I Dr. Milind Bongulwar

Session Coordinator: Mr. Sugat Pawar +918087685979 I Mrs.Mayura Shelake: +917722039352

Link : <https://tinyurl.com/ESCI-2023-Day-2-Session-10> | Event Number: 2515 153 0942 | Event Password : esci2023

Time: 3.00 PM-5.00 PM

Sr. No.	Paper ID	Title
1	559	Real-Time Electricity Bill Management System Using IOT
2	560	Fruit Defect Inspection System Using Image Processing And IoT Framework
3	567	Patients' health analysis using machine learning
4	592	Water assessment using geospatial and data science tools
5	603	Integrated Environmental Monitoring and Disease Detection Using Internet of Things

Special Session 2

Session Chair: Dr. Shalli Rani I Dr. Preetinder Singh Brar

Session Coordinator: Mrs. Gayatri Mawale :+919764535258 | Ms.Bhagyashree Lambture: +918208863705

Link : <https://tinyurl.com/ESCI-2023-SpecialSession-2> | Event number: 2518 502 1367 | Event password: esci2023

Time : 3.00 PM -5.00 PM

Sr. No.	Paper ID	Title
1	RT_18	Learning Aided Intelligent Mechanism for Channel Estimation in 5G Wireless Networks
2	RT_13	A Compact Asymmetric Coplanar Strip (ACS) Antenna for WLAN and Wi-Fi Applications
3	RT_15	A novel approach for extended network coverage in cell-free IoT
4	RT_03	Bibliometric Analysis on Security of Different Layers in Internet of Things (IoT) Environment
5	IS_08	Comparative Approach for early Diabetes detection with Machine Learning

Special session 3

Session Chair: I Dr. Srikanta Kumar Mohapatra | 2.Mr.Keshav Kaushik

Session Coordinator: Ms.Archana Randive : +919850830634 | Ms.Poonam Jadhav : +918888148293

Link : <https://tinyurl.com/ESCI-2023-Day-2-Spc-Sess-3> | Event number:2517 263 6580 | Event password: esci2023

Time: 3.00 PM -5.00 PM

Sl. No.	Paper ID	Title
1	MG_3	Pattern Storage & Recalling Using Hopfield Neural Network and HOG Feature Based SVM Classifier: An E
2	MG_7	A Detailed Investigation and Analysis of Using Machine Learning Techniques for Thyroid Diagnosis
3	KB4	Blockchain-IoT based device authentication protocol for Healthcare Multimedia
4	KB2	An Approach for Copy-Move and Image Splicing Forgery Detection using Automated Deep Learning
5	KB 06	Deep Learning Based Pothole Detection
6	VS_05	Self-Aware Fog Layer toward Scalable Resource Allocation and Dynamic queuing

Special session 4

Session Chair: Dr. Sparsh Sharma | 2. Dr . Akhil Gupta

Session Coordinator: Mr. Sagar Pokharkar : +917972251866 | Dr. Ramkrushna Tope : +91 8693074978

Link : <https://tinyurl.com/ESCI-2023-Day-2-Spc-Sess-4> | Event number: 2512 284 0161 | Event password:esci2023

Time: 3.00 PM -5.00 PM

Sl. No.	Paper ID	Title
1	SP 01	Doc-Handler: Document Scanner, Manipulator, and Translator based on Image and Natural language pro.
2	SP 06	An approach to identify and classify agricultural crop diseases using machine learning and deep lear
3	SP 03	An Efficient Base Station Sleeping Configuration for Ultra-dense Networks
4	SP05	A Review on Rate Splitting Multiple Access: Challenges and Future Directions
5	SP11	A Machine Learning Approach to Statistical Analysis and Prediction of Rainfall and Drought in the Ma
6	SP04	Alphabet Recognition using Air written Trajectories

Day 3 Date :3rd March 2023, Friday

Keynote Talk -5 Time: 9:30 AM– 10.30 AM I

Speaker: Dr. Shiwen Mao Ptofessor and Earle C. Williams Eminent Scholar Chair, and Director of the Wireless Engineering Research and Education Center (WEREC) at Auburn University

Topic: How to Reduce the Reliance on Data in Deep Learning-based Wireless Research

Link : <https://tinyurl.com/ESCI-2023-Day-3-Keynote-1> I Event number: 2516 766 3789 I Event password: esci2023

Coordinator: Mrs. S. M.Shaikh M:+919881667867

Keynote Talk-06 | Time : 9:30AM– 10.30 AM I

Speaker: Dr. Jerry Gao Director of SJSU research center on Smart Technology, Computing, and Complex Systems

Topic: Big Data Smart Agriculture– Big Data, Intelligence, Challenges, and Needs

Link : <https://tinyurl.com/ESCI-2023-Day-3-Keynote-2> I Event number: 2516 807 6508 I Event password: esci202

Coordinator: Mrs. S. M.Shaikh M:+919881667867

Technical Oral Presentation Session 11: Smart Computing

Session Chair: Dr. Shashank Joshi | Dr. Suhas Patil

Session Coordinator: Archana Burjwale:9420481780 I Mr. V. D. Deshmukh :+918149243837

Link : <https://tinyurl.com/ESCI-2023-Day-3-Session-11> | Event Number: 2514 852 7522 Event Password : esci2023

Time: 10.00 AM to 12.00 PM

Sl. No.	Paper ID	Title
1	148	A Solution to finding Fruit Freshness Index using Computer Vision
2	296	Hybrid Gradient Boost based Heart Failure Prediction System
3	297	Transformer-based Arabic Offensive Speech Detection
4	499	Research on recognition of apple leaf disease based on residual neural network and attention mechanism
5	507	Comparison of Machine Learning Algorithm for Stock Price Prediction Using Sentiment Analysis
6	626	Mitigation of Straggler in Virtual Machine Stack Using Supervised Learning Methodology
7	631	Novel Protein Structure Prediction Model Using Fused Pipit Adapted Deep Convolutional Neural Network
8	650	A Blockchain-Based Approach to Streamlining Land Registration using Hyperledger Fabric

Technical Oral Presentation Session 12: Image & Signal Processing

Session Chair: Dr. Manindarjeet Singh Khanna | Dr. Nishu Bali

Session Coordinator: Mr. N. D. Gaikwad: +919421055660 | Mr. S. S. Raskar : +919673465216

Link : <https://tinyurl.com/ESCI-2023-Day-3-Session-12> | Event Number: 2519 369 0837 Event Password : esci2023

Time: 10.00 AM to 12.00 PM

Sl. No.	Paper ID	Title
1	249	Integrated machine learning approach for non-proliferative diabetic retinopathy
2	265	Smart Home Surveillance System using AI
3	642	A marker-based AR system on image shadowing for tourists
4	667	Rapid Detection of Pilgrims Whereabouts During Hajj and Umrah by Wireless Communication Framework : An application AI and Deep Learning
5	475	Harmonic Analysis of Mild steel plate

Special session 5

Session Chair: Dr. Sanjeev Singh | Dr. Deepika Chaudhary

Session Coordinator: Dr. Amrapali Chavan: +919822795994 | Dr. Badri Mohapatra: +919437812746

Link : <https://tinyurl.com/ESCI-2023-Day-3-Spc-Sess-5> | Event number: 2510 259 8273 | Event password: esci2023

Time: 10.00 AM to 12.00 PM

Sl. No.	Paper ID	Title
1	SH_19	An Analytical Review on Classification of IoT Traffic and Channel Allocation Using Machine Learning
2	SH_41	Hybrid binary grey wolf with Jaya optimizer for biomarker selection from cancer datasets
3	SH_10	Weibull Recurrent Certificateless Signcryption for Secured Data Access and Sharing in Cloud
4	SH_11	Identifying The Features of the Various Cyber Dataset for Ensuring Cyber Security using Hybrid Opti
5	SH_03	Joystick Controlled Autonomous Robotic Arm using Inverse Kinematics with Object Detection
6	SH_30	Fpga: A New Design towards Smart Living
7	SH_6	Hand Landmark Distance Based Sign Language Recognition using MediaPipe
8	SH_9	Protection of Hazardous Places in Industries using Machine Learning

Technical Oral Presentation Session 13: Internet of Things

Session Chair: Dr. Navin Sharma | Dr. Amndeeep Kuar

Session Coordinator: Dr. D. S. Shelar: +919823937046 | Dr. Pritam Kumar Saha : + 919475472856

Link : <https://tinyurl.com/ESCI-2023-Day-3-Session-13> | Event Number: 2519 086 4725 Event Password : esci2023

Time: 10.00 AM to 12.00 PM

Sl. No.	Paper ID	Title
1	346	Genetic Algorithm Based Energy Efficient and Load Balanced Clustering Approach for WSN
2	350	Evaluation of Induction Motor Drives Efficiency using ARM-7 based VSI
3	612	Mine Detecting Military Bot Using IoT
4	638	An Analysis of Heterogeneous Device Middleware for Quality Metrics
5	647	Anomaly Detection for Highly Imbalanced Data—an Empirical Analysis

Technical Oral Presentation Session 14: Smart Computing (Offline)

Session Chair: Dr. Varsha Harpale | Dr. Snehal Rathi

Session Coordinator: Mr. Venkat Ghodke: +91 9420326200 | Mr. Prashant Gulaxe : +917666703694

Room No. 305 | Time : 10.00 AM -12.00 PM

Sl. No.	Paper ID	Title
1	127	Money laundering fraudulent prediction using classifiers
2	200	Semantic Segmentation Based Leaf Disease Severity Estimation Using Deep Learning Algorithms
3	231	Web Based Book Recommendation System Using Collaborative Filtering
4	273	Bi-LSTM based Interdependent prediction of physiological signals
5	408	A System for Language Translation using Sequence-to-sequence Learning based Encoders
6	127	A Novel Approach to Maze Solving Algorithm

Technical Oral Presentation Session 15: Smart Computing (Offline)

Session Chair: Dr. Nuzhat Shaikh I Dr. Nilesh Sable

Session Coordinator: Mr. Varsha Patil : +919325643275 I Ms.Supriya Belhe :+919970690660

Room No. 405 I Time : 10.00 AM -12.00 PM

Sl. No.	Paper ID	Title
1	585	Agricultural Field Boundary Delineation Using Deep Learning Techniques
2	618	Analysing the sentiments of Marathi-English code-mixed social media data using machine learning techniques
3	639	AI Enabled Blockchain solution for the Indian Judicial System
4	652	AI and BIM-based Construction defects, rework, and waste optimization

Technical Oral Presentation Session 16 : Internet of Things (Offline)

Session Chair: Dr. Bhavna Kanavde I Dr. Sheetal Dongre

Session Coordinator: Mr. Rahul Jadhav:+919960622886 I Mr.Vikas Desai :+919421676837

Room No. 605 I Time : 10.00 AM -12.00 PM

Sl. No.	Paper ID	Title
1	223	IoT Based Bio Shed For Agricultural Purpose
2	311	Anomaly Based Intrusion Detection in IOT devices using Supervised Machine Learning Models
3	400	Carbon Monoxide Concentration Monitoring System for Automating Air Filters
4	590	Development Of Cell Free Hearing Aid Device
5	654	IOT based Temperature and Oxygen level monitoring and Data Visualization
6	635	Automatic Attendance System Using a Group Image

Special session 6

Session Chair: Dr. P. A. Harshwardhani | Dr. Ruchi Mittal

Session Coordinator: Ms. Anuradha Varal : +919561609068 | Dr. Sangita Thakare : +919960621191

Link : <https://tinyurl.com/ESCI-2023-Day-3-Spc-Sess-6> | Event number:2510 319 3789 | Event password:esci2023

Time:10.00 AM to 12.00 PM

Sl. No.	Paper ID	Title
1	PA_27	Blockchain Security Implementation using Python with NB-IoT deployment in Food Supply Chain
2	PA_28	NavIC Pseudorange Bias Estimation and Analysis Using Double Difference Method with Different Baselin
3	PA_29	Design and Implementation of Crosstalk Noise Avoidance by using Advanced Test Adapted Shielding for high speed vlsi circuits
4	PA_30	A Study on Real-Time Signal Observations Acquired by Multi-Frequency Multi-GNSS Septentrio PolaRx5
5	Rk_15	Meta-heuristic Artificial Humming Bird Algorithm Based Energy Efficient Cluster Head Selection (MA-HA-EECHS) in Wireless Sensor Networks
6	Rk_25	Computing knowledge and attitude scores on impact of community based educational package developed for Rural Post- Menopausal Women

LUNCH BREAK 1.00 PM-2.00PM

VALEDICTORY 3.00 PM TO 5.00 PM

Link : <https://tinyurl.com/ESCI-2023-Validictory> | Event Number: 2516 667 6994 | Event Password : esci2023

Inauguration Function

Investment on industries based on multifaceted technologies should be manifold.- Prof.K.N.Ganesh



Inauguration of ESCI-23: Lamp lightning

L-R- Mr.Nikhil Khanse, Dr.Minakshi Thalor, Mr.Prashant Brahme, Dr.P.B.Mane, Dr.Ekaart Boochieng, Dr.Surekha Deshmukh, Mr.Ajay Patil, Mr.Amar Buchade & Dr.Y.P.Patil

ESCI-2023 is the platform where academics and industry researchers present their latest algorithms, models and technologies and explore new trends and ideas on smart computing and informatics. The aim of this conference is to provide an allied platform for emerging trends in smart computing, networking, communication, signal and image processing, cyber security and IoT. The key intention is to provide an opportunity for the global participants to share their ideas

and experiences in person with their peers expected to join from different parts of the world. In addition to this, the gathering will help the delegates to establish research environment as well as to find the international linkages 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 three-day conference from 01st to 03rd March 2023 was inaugurated by the chief guest of the program Padmashri Prof.K.N.Ganesh, Founder, Director, Indian Institute of Science Education and Research (IISER), Tirupati through online media on 01/03/2023 in the morning.

Prof.K.N.Ganesh during his speech highlighted the rapid progress of new technologies such as Internet of Things, 5G technology, Artificial Intelligence, Big Data. In his speech, he said- “Investment on industries based on multifaceted technologies such as Internet of Things, Artificial Intelligence and data science is increasing rapidly, and hence research in these new areas should be manifold as its industrial applications are increasing day by day. The challenges faced in these areas and data privacy should be addressed. Such a multi-faceted conference makes it possible.” He congratulated ‘AISSMS IOIT’ for organizing such a wonderful conference consecutively for fifth year in a row through hybrid platform and wished the best for it. President of the program, Honorable secretary AISSM Society Shri. Malojiraje Chhatrapati on behalf of AISSM Society sent a greeting message to the guests and attendees and wished the conference a grand success.

Dr.P.B.Mane Principal of AISSMS IOIT highlighted the reasons for organizing the conference and threw light on the proceedings of the conference he said that budding engineers should take the benefit of such conferences to encourage knowledge sharing and be enlightened about innovative ideas. IEEE Pune section chair Dr.Surekha Deshmukh highlighted the achievements of IEEE Pune Division in various activities and praised the college for successfully organizing this international

conference in association with IEEE Pune section.

At the time of inauguration Honorable guests and keynote speakers Dr.EKkarat Boochieng, Associate Professor, Chiang Mai University, Thailand, AISSMS Treasurer Mr. Ajay Patil, Managing Committee Member Mr. Nikhil Khanse and Mr.Prashant Bramhe IEEE Pune Division and IEEE Pune section Vice President Mr.Amar Buchade were present.

Technical program chair Dr.Minakshi Thalor shared that the conference has received overall 810 papers out of which 134 research papers were selected post the scrupulous checking of authenticity of the research. Dr.Suresh Limkar anchored the function while organizing chair Dr.Y.P.Patil presented the vote of thanks.



Unveiling of abstract book of ESCI-23

L-R- Dr.Y.P.Patil, Dr.P.B.Mane, Mr.Amar Buchade, Mr.Ajay Patil, Dr.Surekha Deshmukh, Dr.EKkarat Boochieng, Mr.Nikhil Khanse, Mr.Prashant Brahme & Dr.Minakshi Thalor

Photo Gallery



Felicitations of Dr. E. Karat Boochieng, Dr. Surekha Deshmukh, Mr. Amar Buchade and Mr. Prashant Brahm



Glimpses of ESCI-23

Technical Summery

ESCI2023 is a three-day conference that was organized to provide a platform for researchers, academicians, and industry professionals to share their research findings and experiences. The conference had three main tracks: Smart Computing, Internet of Things, and Image and Signal Processing. Additionally, 14 special sessions were also conducted in collaboration with renowned universities across India. This report provides an overview of the conference, including paper submissions, review process, acceptance rates, and key statistics.

Paper Submissions:

The conference received an overwhelming response, with 810 paper submissions from researchers across the globe. Of these, 38 papers were submitted from other countries like USA, UK, UAE, Japan, and many more. The majority of papers, 463 to be precise, were received from Maharashtra, India. The paper submissions were scanned using the IEEE Crosscheck Plagiarism tool, and papers with less than 30% plagiarism and single source similarity of less than 10 were processed for review.

Review Process:

The Technical Program Committee (TPC) members coordinated the overall process of paper submission and resubmission on Microsoft CMT. They also responded to queries from each author during the submission process, coordinated with the Plagiarism checking team and track chairs for the review process, and released the acceptance notifications on time. The review process followed the IEEE policy for plagiarism checking. Papers with plagiarism between 30 to

50% were asked for resubmission, and papers with more than 50% were desk rejected. Papers that passed plagiarism checking were forwarded to the respective track chairs for initial screening. Each paper was assigned two external reviewers, and in case of a tie in the decision of external reviewers, a third external reviewer was assigned to get a clear decision. All authors of rejected papers were notified by the track chair.

Track Acceptance Rates:

The Smart Computing track, handled by Dr. S.N. Zaware and Dr. K.S. Wagh, received 274 paper submissions, of which 69 were finally accepted. The Internet of Things track, handled by Dr. A.A. Shide and Dr. V.V. Kale, received 158 paper submissions, of which 53 were accepted after the final screening. The Image and Signal Processing track, handled by Dr. M.P. Sardey and Dr. D.K. Shedge, received 168 paper submissions, of which 30 were finally accepted. The special sessions, coordinated by Mrs. K.S. Gadgil and Mrs. V.A. Yawale with their team, received 210 paper submissions, of which 45 were finally accepted.

Acceptance Rates:

Out of the 810 paper submissions, the TPC team released the acceptance notification for 198 papers. A total of 134 papers were registered successfully with the active involvement of the registration team. The acceptance ratio of ESCI2023 is 24%.

Post-Conference:

All accepted and presented papers will be forwarded for inclusion in the IEEE Xplore digital library (indexed by Scopus) with the support of the Publication team.

Pre-Conference Tutorials and Keynote Sessions:

The conference had six pre-conference tutorials on 28th February 2023, and five keynote sessions were organized during the three days of the conference.

<i>Paper Summery</i>	
<i>Total Papers submission</i>	810
<i>Accepted papers</i>	197 (Acceptance ratio-24%)
<i>Registered papers</i>	134
<i>Papers from abroad</i>	38
<i>Papers from India</i>	772
<i>Papers outside Maharashtra</i>	309
<i>No. of special sessions</i>	14
<i>Total no. of papers received through special sessions</i>	210
<i>Papers registered through special sessions</i>	45
<i>Session Summery</i>	
<i>No. of paper presentation sessions</i>	22
<i>Keynote sessions</i>	5
<i>Tutorial sessions</i>	6
<i>No of participants for sessions</i>	1612

Preconference Tutorial

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Approved by AICTE, New Delhi and Recognised by Govt. of Maharashtra
Accredited by NAAC with "A+" Grade | NBA - 5 UG Programmes

IEEE ESCI 2023 Pre-Conference Tutorial Sessions

Guest Speakers



Dr. Sriparna Saha
Associate Professor, Department of Computer Science
and Engineering, Indian Institute of Technology Patna, India.
Topic:
Multimodal Information Processing
28th Feb 2023 | 11:00 AM



Mr. Mahesh Balshetwar
Co-founder and Director
Intellify Solutions Pvt. Ltd.
Topic:
Business Intelligence and Data Analytics
28th Feb 2023 | 10:00 AM to 12:00 PM



Mr. Parag Dandekar
Industry Expert
Celestial Institute of Technology, Pune
Topic:
Need and Importance of Industrial Automation
28th Feb 2023 | 09:00 AM to 11:00 AM



Mr. Gajanan Bejgamwar
Manager Supply Chain Analytics
and Optimization, TCS
Topic:
**Applications of AI-ML in the field
of Electrical Engineering**
28th Feb 2023 | 10:15 AM to 12:00 PM



Dr. Yogesh Karpate
Principal Cofounder and Director
ChiStats Labs Pvt. Ltd.
Topic:
AI & Data Science
28th Feb 2023 | 11:00 AM to 01:00 PM



Mr. Anand Nijampurkar
Certified Connected Manager
Harvard University
Topic:
**AI-Based Modeling Towards Automation,
Intelligent and Smart Systems**
28th Feb 2023 | 10:00 AM to 12:00 PM

Convener

Dr. P. B. Mane
Principal, AISSMS IOIT

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Pre-Conference Tutorial Session-wise Report:

Pre-Conference Tutorial Session-1		
Topic- Need and Importance of Industrial Automation	Speaker (With designation) : Mr. Parag Dandekar, Industry Expert, Celestial Institute of Technology, Pune.	
Day- Tuesday	Date- 28/02/2023	Time- 9am- 11am
Coordinators- Mr. Shashikant.R.Kale	Venue- Classroom 704, AISSMS IOIT	

Abstract tutorial –

IEEE ESCI 2023 Pre-conference tutorial session on '**Need and Importance of Industrial Automation**' is conducted on 28/02/2023 from 9am to 11am. The expert for the session was Mr. Parag Dandekar from Celestial Institute of Technology, Pune. He have highlighted the points like basic level technologies, importance of PLCs, Conveyors, Heat Exchangers, Hydraulic Pump, and other fundamental units of a process industry and various fundamental of process industry. Main aspects in industrial automation were covered such as Safety Measures, Insurance Policies, and Batteries. Depth information about various instruments such as Turbine, Calibration of instruments is also covered in session. The main focus was on the importance of automation in industries.

The session was informative and will be highly useful for the attendees..

Total No of attendees
40



Session speaker delivering the lecture

Pre-Conference Tutorial Session-2

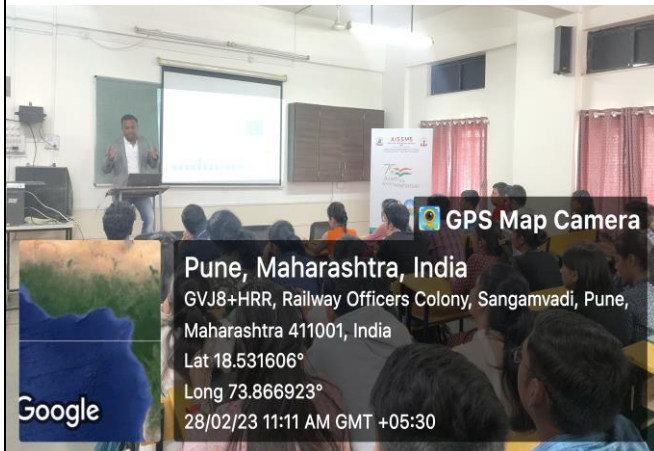
Topic- Business Intelligence and Data Analytics	Speaker: Mr. Mahesh Balshetwar, Co-Founder and Director, Intellify Solutions Pvt Ltd. Pune	
Day- Tuesday	Date- 28/02/2023	Time- 9am- 11am
Coordinator- Mr.Pritesh A. Patil	Venue/Link- Class Room 605	

Abstract of tutorial –

Business intelligence (BI) describes: “a set of methodologies, processes, architectures, and technologies that transform raw data into meaningful and useful information used to enable more effective strategic, tactical, and operational insights and decision-making.”Returning to the first definition—the process of obtaining business insights—business intelligence includes tactics and tools such as: Real-time monitoring, Dashboard development and reporting, Benchmarking, Implementation BI software, like Power BI, Performance management, Data and text mining, Data analytics.Data analytics is the process of collecting, cleaning, inspecting, transforming, storing, modeling, and querying data (along with several other related tasks). Its goal is to produce insights that inform decision-making—yes, in business—but in other domains, too, such as the sciences, government, or education. In addition, while data analytics often incorporates presentation features that are also common to BI (such as dashboards and custom reporting) many of these are not fundamental aspects of the process itself.

Total No of attendees

54



Session speaker delivering the lecture

Pre Conference Tutorial-3

Topic- AI-Based Modelling Towards Automation, Intelligent and Smart Systems	Speaker(With designation): Mr. Anand Nijampurkar Project Manager, Capgemini, Pune, Maharashtra, India	
Day- Tuesday	Date: 28/02/2023	Time- 9am- 11am
Coordinators- Dr. S.N.Zaware Mrs. A.G.Said	Venue/Link- Class Room: 505, Department of Computer Engineering	

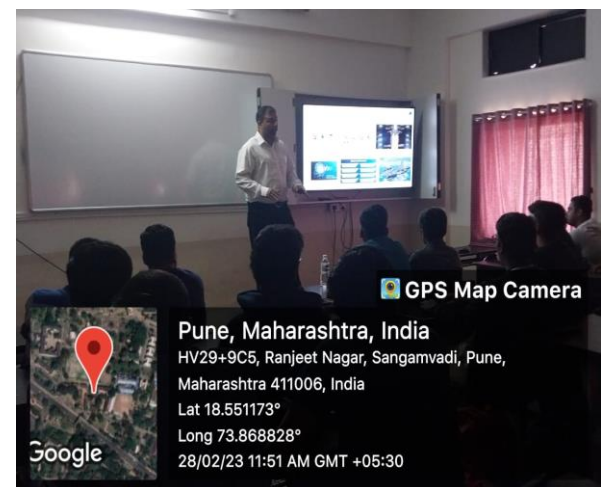
Abstract of Session/keynote/Special session/tutorial -

Following are points which are taken in Tutorial Session

1. Roadmap of Artificial Intelligence- started with machine leaning, different machine learning algorithms like supervised, unsupervised and reinforcement Machine learning
2. Recent trend in AI based systems
3. Platforms and Computer languages used for developing AI based Systems
4. Different AI Categories
5. Potential AI Techniques – Neural Network and Deep Learning
6. Real-World Applications of AI
7. Future Aspect and Research Issues

Total No of attendees

58



Session speaker delivering the lecture

Pre Conference Tutorial-4

Topic-Multimodal Information Processing		Speaker(With designation) : Dr.Sriparna Saha Associate Professor , Department of Computer Science and Engineering ,Indian Institute of Technology Patna,India	
Day -Tuesday	Date :28/02/2023	Time - 9am- 11am	
Coordinators -Mrs. Sayali Belhe		Venue/Link - https://tinyurl.com/ESCI-2023-Preconf-Tutorial ,	

All the AI&DS HOD, Faculty Members and Students were present in MPH for the session.

Dr.Sriparana Saha joined the session through the link provided. She briefed about the **Multimodal Information Processing**.She explained the new era of technology has brought us to the point where it is convenient for people to share their opinions over an abundance of platforms. These platforms have a provision for users to express themselves in multiple forms of representations, including text, images, videos, and audio. This, however, makes it difficult for users to obtain all the key information about a topic, making the task of automatic multi-modal summarization.

She presented a comprehensive survey of the existing research in the area of MMS, covering various modalities like text, image, audio, and video. Apart from highlighting the different evaluation metrics and datasets used for the MMS task, our work also discusses the current challenges and future directions in this field. She elaborated more on how Information in the form of multi-modal inputs has been leveraged in many tasks other than summarization Mam has conducted the question answer session after her presentation.

Total No of attendees

98



Session speaker delivering the lecture

Pre Conference Tutorial-5		
Topic- AI and Data Science		Speaker (With designation): Dr. Yogesh Karpate is founder and CTO at CHistats labs Pune
Day- Tuesday	Date: 28/02/2023	Time- 9am- 11am
Coordinators- Dr.M.PSardey Mr. R.N Jadhav	Venue/Link- Lab 305	

Dr. YogeshKarpate is founder and CTO at Chistats labs Pune, gave a conceptual overview of AI and Data Science, The focus of this tutorial was to understand the real life problems where AI and data science can be used.

He further discussed real life Data Analytics Use Cases such as

- Hydrophone Signal Analytics – Identify ships and underwater vessels based on wave signals detected by Hydrophones under the sea
- Predictive Maintenance of Critical Pumps – Oil & Gas
- Aero Gas Turbine Monitoring – Monitoring of Gas Turbine which involves measurement of parameters and Development of AI-based virtual sensors to aid Aero Gas turbine engine health monitoring
- Development of Tools for Data Assessment, Active Learning and Believability for Visual Data – Feature selection can be done using Supervised and Unsupervised ML technique.

Session was interactive and He also responded to the queries of the participants in brilliant manner.

Total No of attendees
45



Session speaker delivering the lecture

Pre Conference Tutorial-6

Topic -Applications of AI-ML in the field of Electrical Engineering		Speaker(With designation) Mr. GajananBejgamwar Manager Supply Chain Analytics &Optimization-TCS	
Day -Tuesday	Date: 28 /02/2023	Time - 9am- 11am	
Coordinators -Mr. Y. D.Rashinkar		Venue/Link -Classroom 210 AISSMS IOIT	

The term “**artificial intelligence**” describes a wide variety of systems built to imitate how a human mind makes decisions and solves problems.

Many of the most promising achievements at the intersection of AI and electrical engineering have focused on power systems. For example, the Electric Power Research Institute reported on its efforts to create algorithms capable of identifying malfunctions in transmission and distribution infrastructure based on images collected by drones. Further initiatives from the organization include using AI to forecast how weather conditions will affect solar and wind power generation and adjust to meet demand.

Other proposed AI applications in power systems include implementing expert systems that reduce the workload of human operators in power plants by taking on tasks in routine maintenance, data processing, training, and schedule optimization. Or, a fuzzy logic controller can serve to improve the performance, consistency and fault detection of grid control systems.

Total No of attendees

48



Session speaker delivering the lecture

Keynote Sessions

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Accredited by NAAC with "A++" Grade | NBA - 5 UG Programmes

IEEE ESCI 2023 - Keynote talk

Guest Speakers



Dr. Jerry Gao
Director, SJISU research center on Smart Technology, Computing, and Complex Systems

Topic:
Big Data Smart Agriculture - Big Data, Intelligence, Challenges, and Needs
3rd March 2023 | 09:30 AM to 10:30 AM



Dr. Shiwen Mao
Professor and Earle C. Williams Eminent Scholar Chair, and Director of the Wireless Engineering Research and Education Center (WEREC) at Auburn University.

Topic:
How to Reduce the Reliance on Data in Deep Learning-based Wireless Research
3rd March 2023 | 09:30 AM to 10:30 AM



Dr. Marco Di Renzo
CNRS Research Director (Professor), Head, Intelligent Physical Communications Group L2S-CentraleSupélec, Paris-Saclay University Paris, France

Topic:
Reconfigurable Intelligent & Holographic Surfaces for Wireless Communications
2nd March 2023 | 09:30 AM to 10:30 AM



Dr. Ekkarat Boonchieng
Associate Professor Department of Computer Science, Chiang Mai University, Chiang Mai, Thailand

Topic:
Novel Minimization Algorithms & Applications to Image Restoration Problems & Data Prediction
1st March 2023 | 02:00 PM to 03:00 PM



Prof. Bruno Laurencich
Creator & Tech Lead, Chordata Motion, Italy

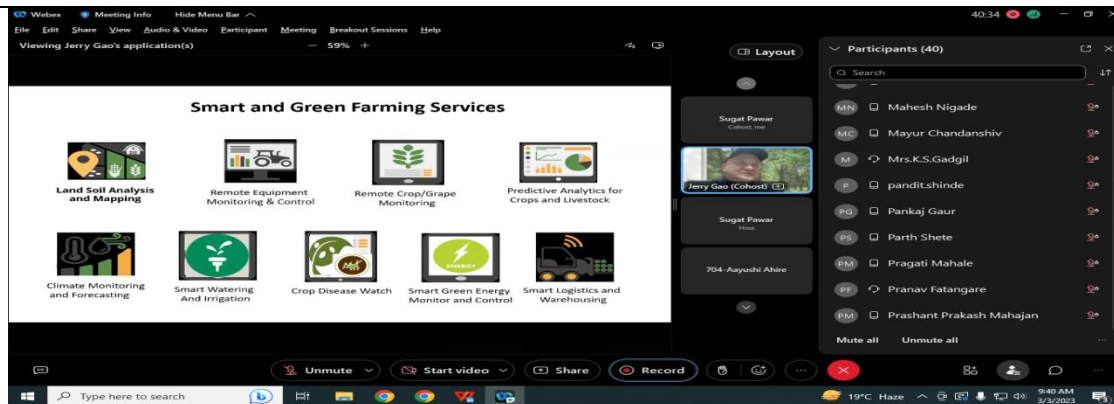
Topic:
Developing an Open-source Motion Capture Framework in 2020s
2nd March 2023 | 02:00 PM to 03:00 PM

Convener

Dr. P. B. Mane
Principal, AISSMS IOIT

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Keynote Session -1			
Topic -Big Data Smart Agriculture – Big Data, Intelligence, Challenges, and Needs	Speaker(With designation) -Jerry Gao, Professor, Research Center Director, San JoseState University		
Day -Friday	Date: 03/03/2023		
Coordinators - Mrs. S. V. Kulkarni Mrs. S. A. Durgule	Venue/Link - https://tinyurl.com/ESCI-2023-Day-3-Keynote-2		
Abstract of keynote - Topic-Big Data Smart Agriculture– Big Data, Intelligence, Challenges, and Needs The Keynote speaker Jerry Gao, Professor, Research Center Director, San JoseState University had shared thoughts aboutBig Data Smart Agriculture.In this talk, Dr. Gao have presented an overview of the current state-of-the-art of smart agriculture in big data, machine learning, and intelligent systems. He will report their recent research work on big data and machine learning models for smart agriculture in crop farms, fruit ranches, and livestock farms. In addition, he had given in-depth discussion on big data engineering for smart agriculture, and diverse machine learning models to address different problems and needs in - Farm land soil analysis, moisture assessment, and quality evaluation - Crop identification, production sizing analysis and prediction - Crop/fruit disease detection and classification, and monitor - Animal detection, tracking, classification, behavior monitor, and counting.			
<table><tr><th>Total No of Participants</th></tr><tr><td>264</td></tr></table>		Total No of Participants	264
Total No of Participants			
264			



Keynote speaker Jerry Goa discuss about Big Data in agriculture

Keynote Session -2			
Topic -Novel Minimization Algorithms and Applications to image restoration problems and data prediction.	Speaker (With designation) Dr. Ekkarat Boonchieng ekkarat@ieee.org Associate Professor Department of Computer Science, Chiang Mai University, Chiang Mai, Thailand		
Day -Wednesday	Date: 01-03-2023		
Coordinators -Ms Saba K M Shaikh	Venue/Link- https://tinyurl.com/ESCI-2023-Day-1-Keynote-2		
<p>Abstract of Keynote Session:</p> <p>Dr. Ekkarat presented a highly informative keynote talk. He very aptly pointed the various image processing problems and how the same can be minimized using machine learning and deep learning and its various optimization algorithms. The demo to denoise an image and classify animals was very insightful too.</p> <p>He used an extremely unique way of presentation. He used a bot named Jack who presented few of his slides.</p>			
<table><tr><th>Total No of Participants</th></tr><tr><td>97</td></tr></table>		Total No of Participants	97
Total No of Participants			
97			



Mrs. Saba Shaikh introducing Dr. Ekkarat



Faculty and students attending Dr. Ekkarat keynote in offline mode.

Keynote session 3

Topic- Deep learning- distributed approach in deep learning	Speaker (With designation): - Dr. Shiwen Mao	
Day- day	Date: 03 /03/2023	Time: 12.00 Pm – 1.00 Pm
Coordinators- Mr. Shivaji Gadadhe Ms.Amruta Aphale	Cisco WebEx session Link: https://tinyurl.com/ESCI	

Abstract of the keynote Session–

Shiwen Mao is a professor and Earle C. Williams Eminent Scholar, and Director of the Wireless Engineering Research and Education Center (WEREC) at Auburn University, Auburn, AL, USA. He talked about deep learning- distributed approach in deep learning. Breathing pattern in human being can be analyzed with AL ML models using unsupervised algorithms. Then he have talked about meta learning for HAR-Human Activity Recognition. How mwta learning helps for HAR development using machine learning models. Then he have talked about Agnostic approach for HAR. Data imputation in Machine learning. Students asked some questions to him he answered very well.

Total No of Participants

98

Viewing Sugat Pawar's application(s) - 64% +

Recording is in progress. Open the Recorder to manage recording.

Participants (15)

- Sugat Pawar
- Sugat Pawar
- Jerry Gao
- 910 Chetan Chavan
- 921 Devesh Indulkar
- Dipati Dorugade
- Gayatri Kad
- pandit.shinde
- Pankaj Gaur
- Shravan K. Kulkarni

Viewing Jerry Gao's application(s) - 59% +

Targeted Study Livestock Farms

Participants (54)

- Sugat Pawar
- Sugat Pawar
- Jerry Gao
- Sugat Pawar

Viewing Jerry Gao's application(s) - 59% +

Stage II - Model Evaluation Results

Participants (58)

- Sugat Pawar
- Sugat Pawar
- Jerry Gao
- Sugat Pawar

Keynote speaker Dr. Shiwen Mao addressing the session

Keynote Session 4

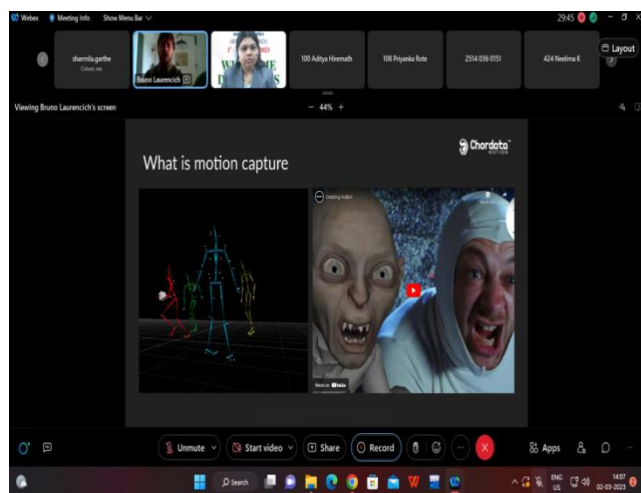
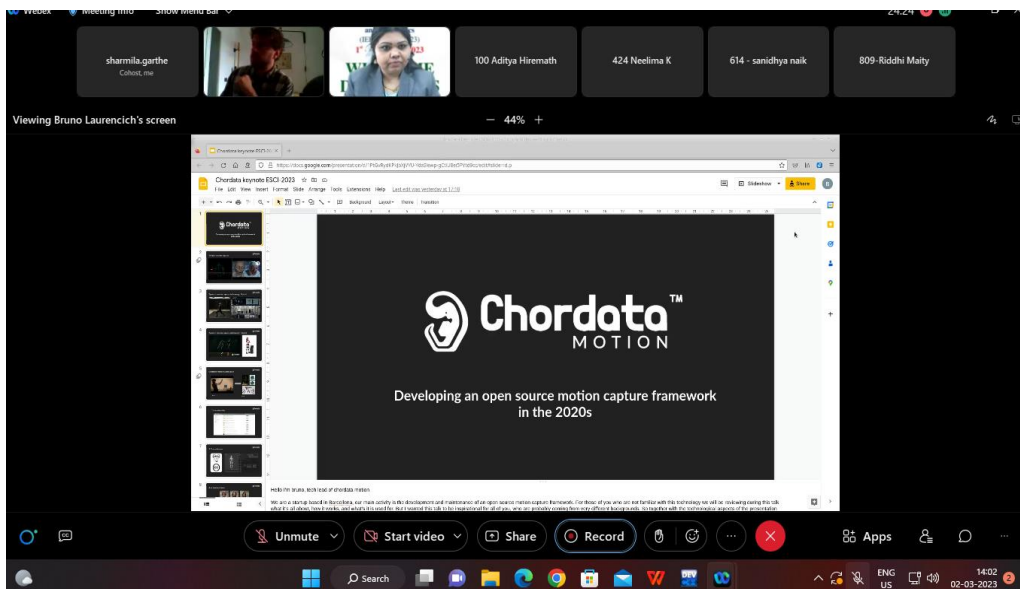
Topic- Developing an open source motion capture framework in the 2020s	Speaker(With designation): Bruno Laurencich Creator &Tech Lead, Chordata Motion	
Day- Thursday	Date:- 02/03/2023	Time- 12.00 Pm – 1.00 Pm
Coordinators- Ms. Supriya More Ms. Sharmila Garthe	Venue/Link- https://tinyurl.com/ESCI-2023-Day-2-Keynote-4	

Abstract of keynote session –

Motion capture technology is becoming more and more popular in recent years, and a fundamental tool in several disciplines such as videogame development, sports research and clinical analysis. In this talk we will review the experience behind Chordata Motion and their open source framework. Firstly developed as a personal side project, it is now empowering users from all over the world to deploy motion capture gears that adapt to their workflow instead of it having to be the other way around. Dr. Bruno Laurencich is the cofounder and Tech Lead at Chordata Motion™. He led the entire technology transfer process of the company, from the early detection of an absence in the market, to the concept and evolution of the idea, the creation of the prototype and the current product. In his career prior to founding Chordata Motion™, he was an entrepreneur of a successful audio-visual production company, software developer, web developer, interaction designer, 3D artist and STEAM technology educator.

Total No of Participants

124



Keynote speaker Bruno Laurencich presenting the session

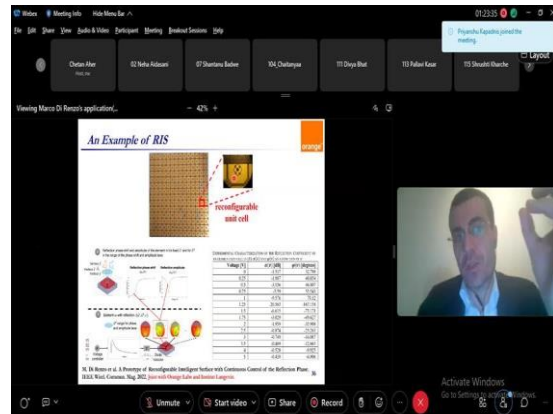
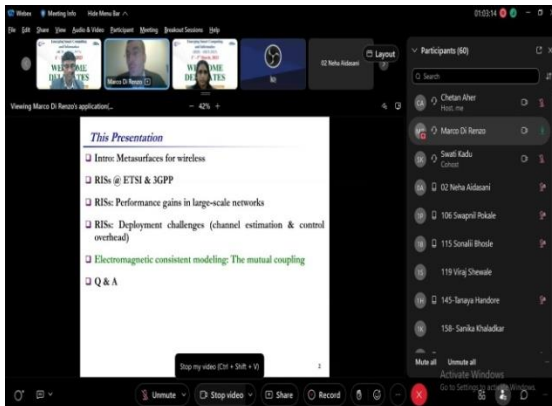
Keynote Session 5

Topic- Reconfigurable Intelligent and holographic surfaces for wireless communication.	Speaker(With designation): Dr. Marco Di. Renzo CNRS Research Director(Head) with the Laboratory of Signals and Systems (L2S) of Paris-Saclay University	
Day- Thursday	Date- 02/03/2023	Time- 9.30- 10.30 am
Coordinators- Mr. Nitin Bhone, Ms. Swati Kadu	Venue/Link- https://tinyurl.com/ESCI-2023-Day-2-Keynote-5	

Abstract-

Dr.Marco Di. Renzo joined the session through the link provided. He briefed about the **Reconfigurable Intelligent and holographic surfaces for wireless communication.**

He explained The future of mobile communications looks exciting with the potential new use cases and challenging requirements of future 6th generation (6G) and beyond wireless networks. Since the beginning of the modern era of wireless communications, the propagation medium has been perceived as a randomly behaving entity between the transmitter and the receiver, which degrades the quality of the received signal due to the uncontrollable interactions of the transmitted radio waves with the surrounding objects.

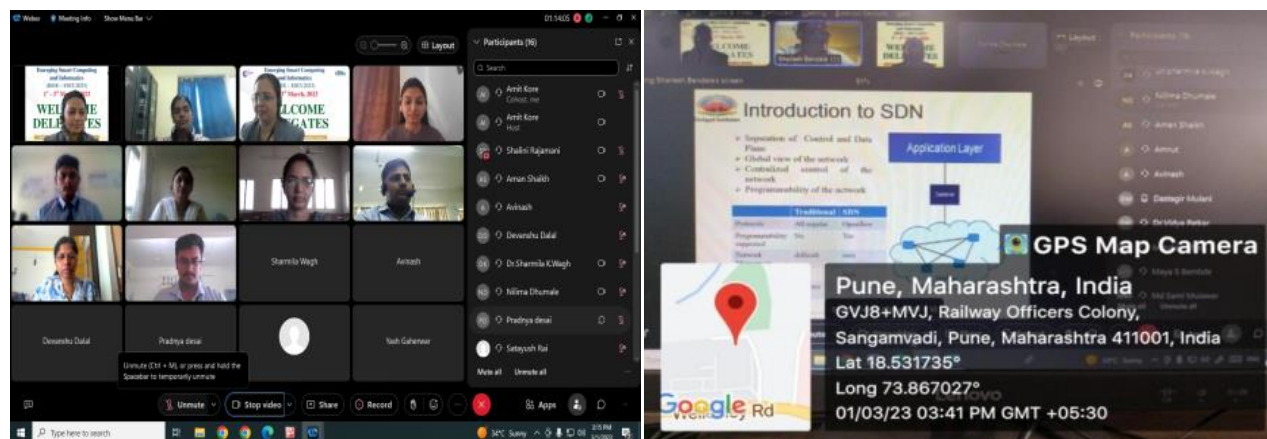


Keynote speaker Dr.Marco Di. Renzo presenting the session

Technical Oral Presentation Session -1

Track – Smart Computing	Session Chair: Dr. Sarmila KishorWagh, Professor, MES College of Engineering (Wadia College) M:9850130943 Dr. Nilima Rakesh Dhumale, Assistant Professor, Sinhgad College of Engineering M:9763453366	
Day- Wednesday	Date: 01/03/2023	Time: 3:00 to 5:00 pm
Session Coordinators- Mrs. SheetalKulkarni Ms.PradnyaBormane	Link- https://tinyurl.com/ESCI-2023-Day-1-Session-1 402 Lab	

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
1	Smart Computing	28	State of the art challenges and technique for 5G and 6G using Software defined network	Shailesh Bendale

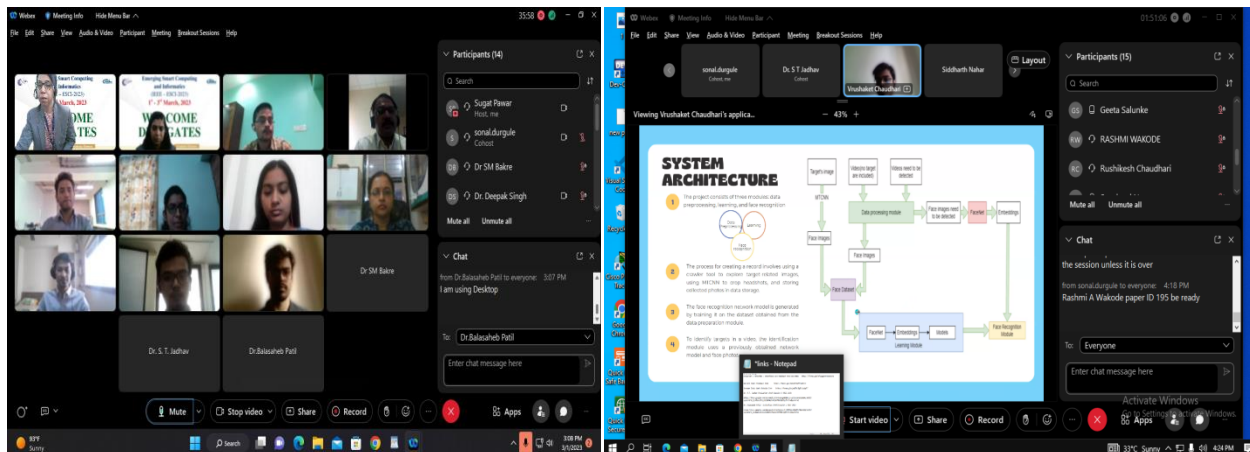


Participants at Technical Oral Presentation Session -1 presenting the paper

Technical Oral Presentation Session-2

Track -Image & Signal Processing	Session Chair 1: Dr. S.T. Jadhav Session Chair 2: Dr. Balasaheb Patil	
Day-Wednesday	Date-01/03/2023	Time: 3:00 to 5:00 pm
Session Coordinator1: Ms. Supriya Lohar Ms. Sonal Durgule	Link- https://tinyurl.com/ESCI-2023-Day-1-Session-2	

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
2	Image & Signal Processing	40	Predicting risky environment for child inside house using deep learning	Singh Deepak

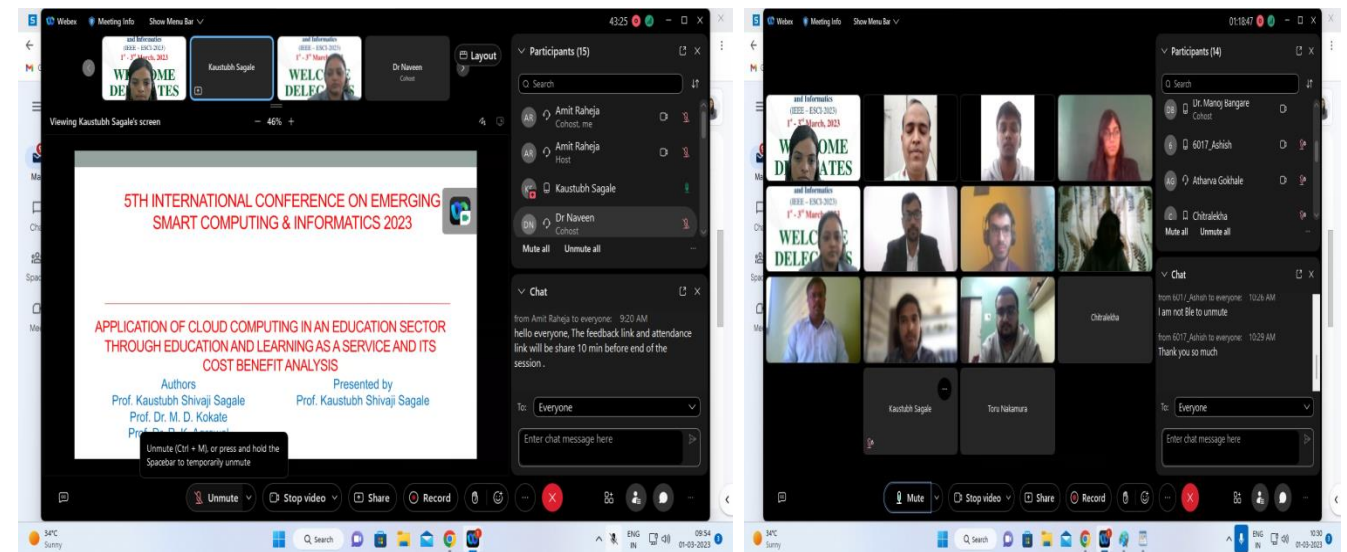


Participants at Technical Oral Presentation Session -2 presenting the paper

Technical Oral Presentation Session – 3

Track - Smart Computing	Session Chair 1: Dr. NavinKumar . Session Chair 2: Dr.Manoj Bangare.	
Day- Wednesday	Date: 01.03.2022	Time: 3 p.m. to 5 p.m.
Session Coordinators- Mrs. Punashri Patil Mrs. Chitralekha Rananaware	Link- https://tinyurl.com/ESCI-2023-Day-1-Session-	

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
03	Smart computing	226	Threat Detection and Rescue using Machine Learning	Ananya M Ashish Hameed Hema R

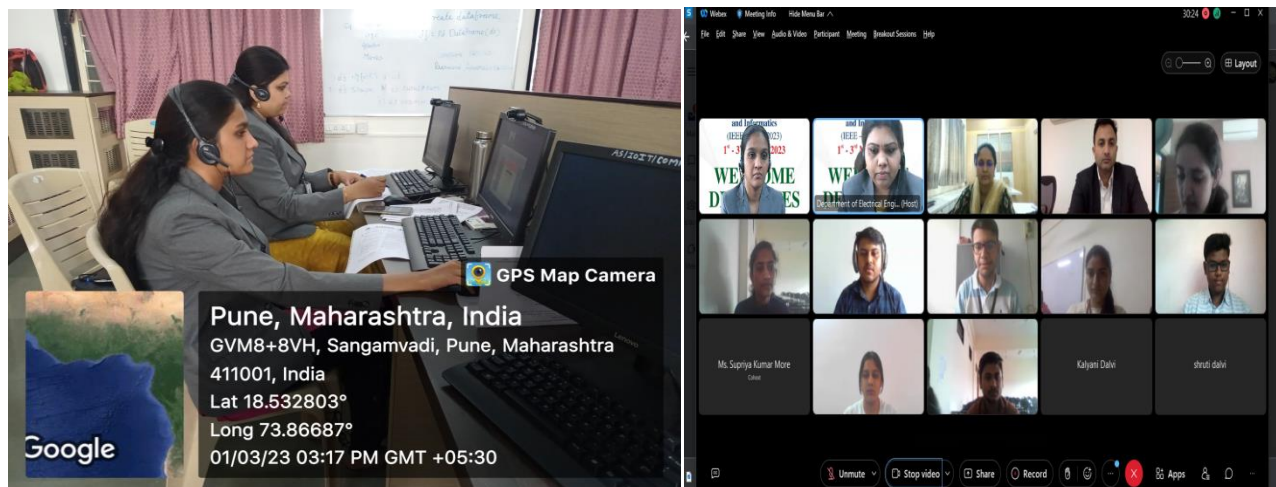


Participants at Technical Oral Presentation Session -3 presenting the paper

Technical Oral Presentation Session - 4

Track -Internet of Things	Session Chair 1: Dr. Rajesh Kumar Kaushal, Chitkara University Session Chair 2: Dr.Archana Choudhari, VIT Pune	
Day -Thursday	Date: 10/03/22	Time: 10.00 am to 12.00 pm
Coordinator1: Ms. Supriya More Coordinator 2: Ms.Sharmila Garthe	Link- https://tinyurl.com/ESCI-2023-Day-1-Session-4	

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
4	Internet of Things	389	Posture Monitoring Apparatus For Physiotherapy	Kalyani Dalvi Shruti Dalvi Sharvari Deshpande Aradhana Bhakre Anagha Panditrao

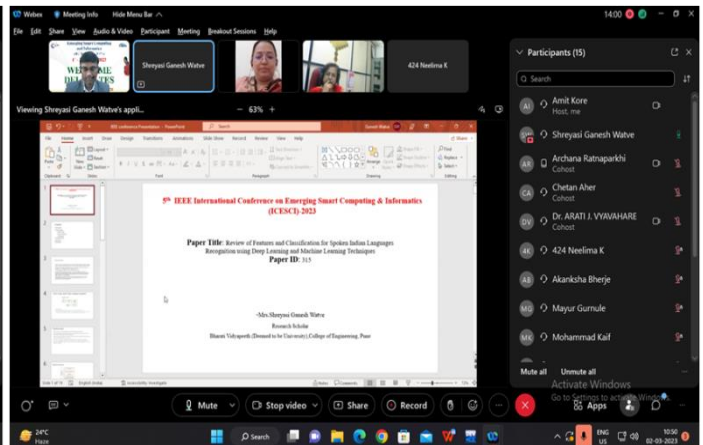
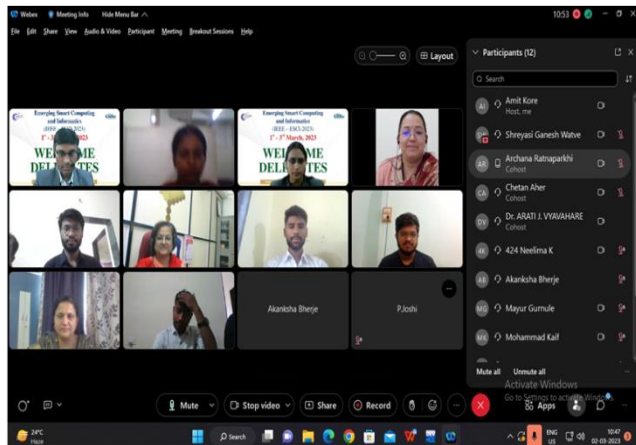


Participants at Technical Oral Presentation Session -4 presenting the paper

Technical Oral Presentation Session-5

Track-Image and Signal Processing	Session Chair1- Professor in E&TC Dept and Research Co-ordinator of Progressive Education Society's, Modern College of Engineering, Pune. Session Chair2: Dr.Archana Ratnaparkhi,Assistant Professor, VIIT ,ENTC Dept.Pune.	
Day- Thursday	Date-02/3/2023	Time- 10.30am to 12.30pm
Session Coordinators- Mr.Nitin Bhone Mrs.Swati Kadu	Venue-Link--https://tinyurl.com/ESCI-2023-Day-1-Session-5 LAB 403	

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
5	Image and Signal Processing	424	Image fusion Using Xilinx System Generator for MRI and CT Medical Image Modalities	Ms. Neelima Koppala



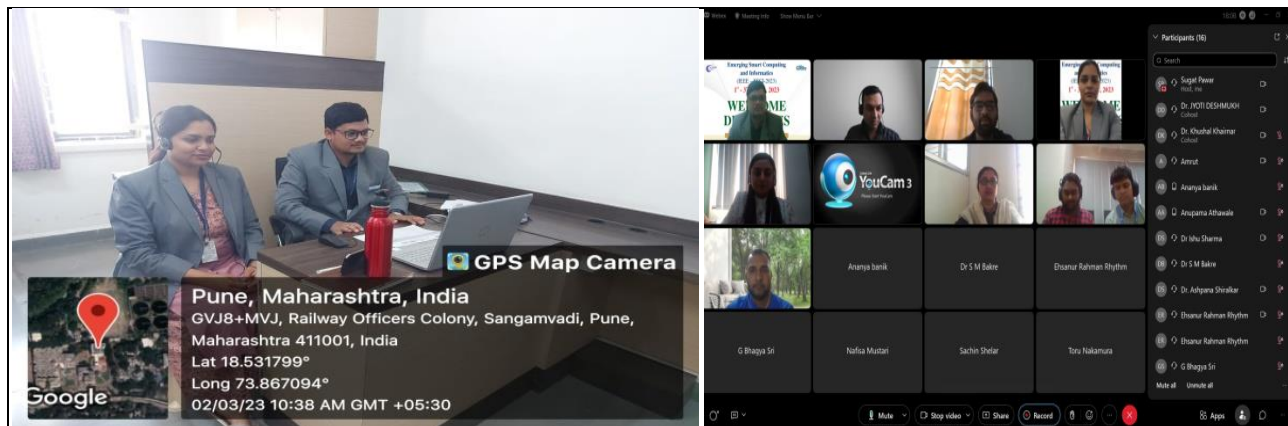
Participants at Technical Oral Presentation Session -5 presenting the paper

Technical Oral Presentation Session – 6

Track: Smart Computing	Name of Session Chair: Dr. Jyoti Deshmukh (Assistant Professor at G.H.RaisoniWagholi) Dr. Khushal Khairnar (Assistant Manager at Lohia Mechatronics, Pune)	
Day: Thursday	Date: 02/03/2023	Time: 10 -12pm
Coordinators: 1. Mr.Prashant Wakhare 2. Ms.Anupama A Athawale	Link- http://tinyurl.com/ESCI-2023-Day-2-Session-6	

Total No.of Participants-25

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
6	Smart Computing	525	Automatic Question Generation from Textual data using NLP techniques	Mr.Amrut Kulkarni

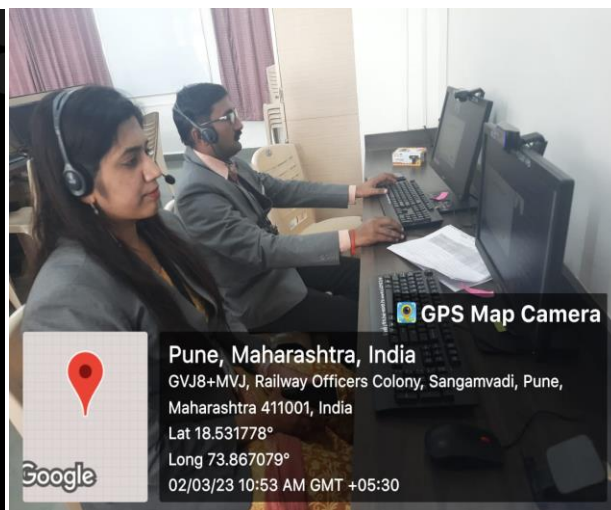
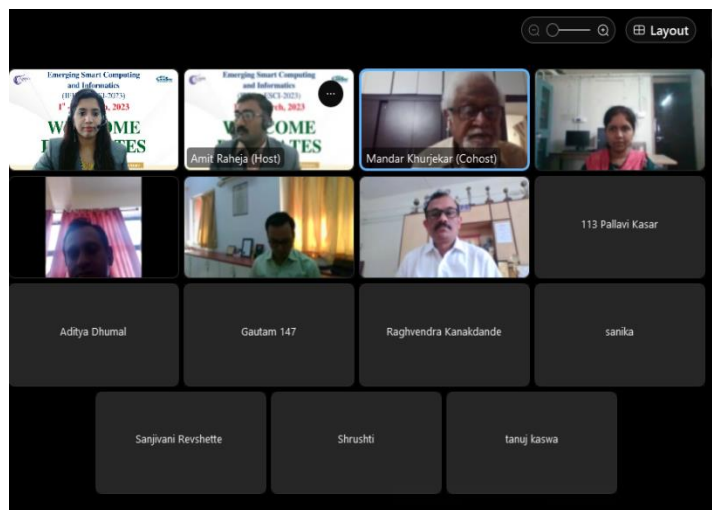


Participants at Technical Oral Presentation Session -6 presenting the paper

Technical Oral Presentation Session-7

Track: Internet of Things	Session Chair 1: Prof. Mandar Khurjekar Dr. Pritesh Shah	
Day- Thursday	Date: 02/03/2023	Time: 10.30 am to 12.30 pm
Session Coordinators- Mr.Shivaji Gadadhe Ms.Amruta Aphale	Link- https://tinyurl.com/ESCI-2023-Day-2-Session-7	

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
6	Internet of Things	390	Malware Detection Using Efficientnet	Sandip Shinde



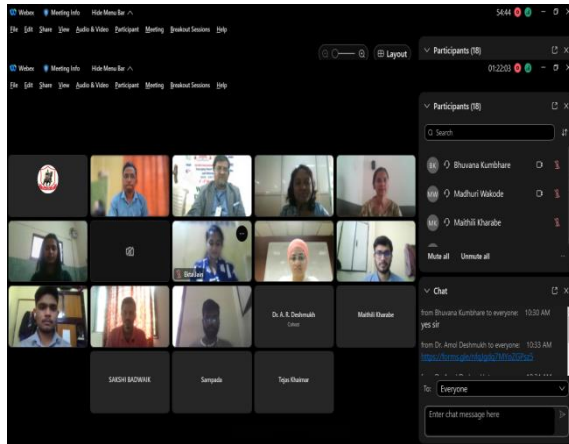
Participants at Technical Oral Presentation Session -7 presenting the paper

Technical Oral Presentation Session-8

Track - Internet of Things	Session Chair 1: Dr.RupaliRandive Session Chair 2: Mrs.Madhuri Wakode	
Day- Thursday	Date- 02/03/2023	Time- 10.30-12.30pm
Session Coordinator: Dr.Amol Deshmukh Mr. Shashikant Kale	Link- https://tinyurl.com/ESCI-2023-Day-2-Session-8	

Total No. of Participants-21

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
08	Internet of Things	543	Optimization of a Consensus Protocol in Blockchain-IoT Convergence	Manpreet Kaur

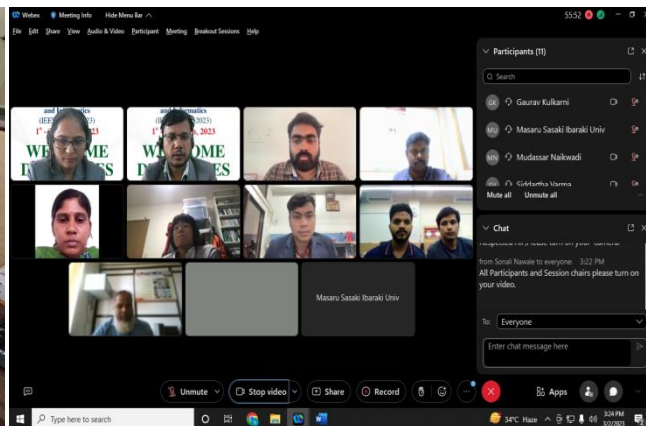


Participants at Technical Oral Presentation Session -8 presenting the paper

Technical Oral Presentation Session-9

Track – Smart Computing	Session Chair- Dr.S.Velliangiri Dr.E.B.Priyanka	
Day -Thursday	Date -02/03/2023	Time - 3.00 to 5.00 pm.
Session Coordinators- Mr. Sagar Bhopale Ms.Sonali Nawale	Link - https://tinyurl.com/ESCI-2023-Day-2-Session-9	

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
9	Smart Computing	609	Eye Gesture Interface and Emotion Detection Tool	Gaurav Kalkarni, Rohit Kulkarni Vaidehi Deshmukh

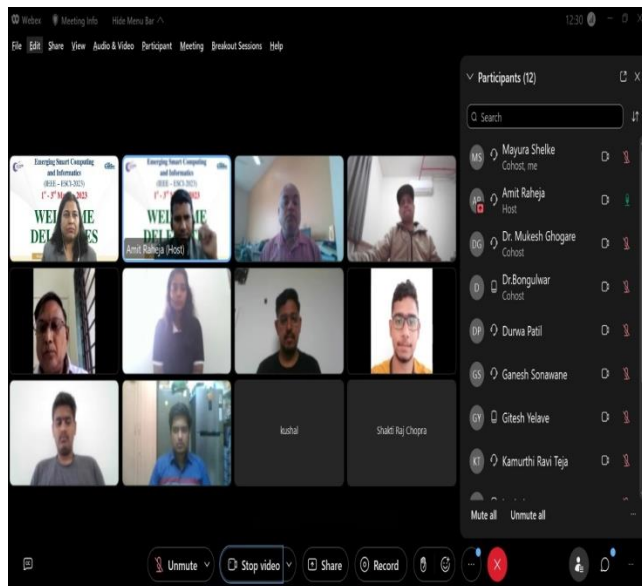


Participants at Technical Oral Presentation Session -9 presenting the paper

Technical Oral Presentation Session-10

Track - Internet of Things	Session Chair : 1. Dr. Mukesh Ghogare , Assistant Professor 2. Dr. Milind Bongulwar, Associate Professor	
Day-3 : Thursday	Date 02/03/2023	Time: 10.00 -12.00 pm
Session Coordinators- 1. Mr. Sugat Pawar 2. Mrs. Mayura Shelke	Link- https://tinyurl.com/ESCI-2023-Day-2-Session-10	

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
10	Internet of Things	567	Patients' health analysis using Machine Learning	Kamurthi Ravi Teja

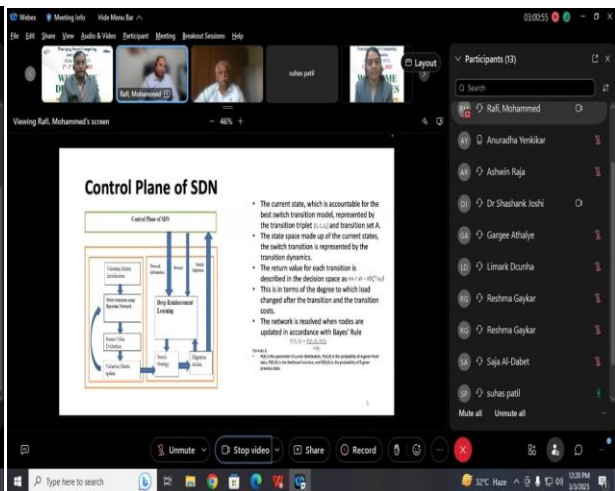
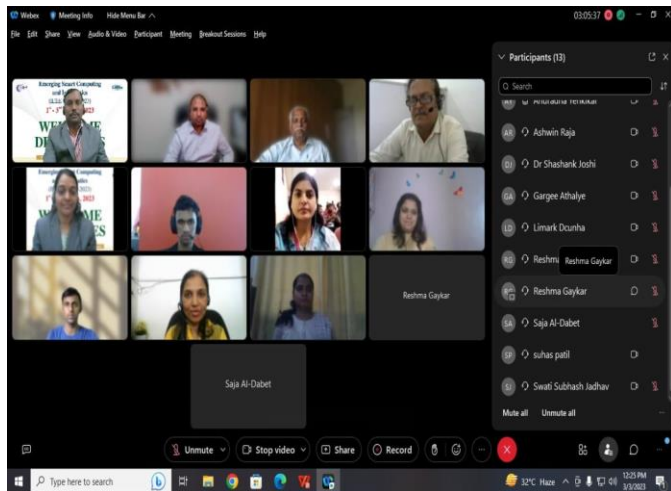


Participants at Technical Oral Presentation Session -10 presenting the paper

Technical Oral Presentation Session-11

Track: Smart Computing	Session Chair 1: Shashank Joshi 2: Suhas Patil	
Day: Friday	Date: 03/03/2022	Time: 10:00-12:00pm
Session Coordinators- Mrs. Archana Burujwale Mr. V. D. Deshmukh	Link- https://tinyurl.com/ESCI-2023-Day-3-Session-11	

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
11	Smart Computing	626	Mitigation of Straggler in Virtual Machine Stack Using Supervised Learning Methodology.	Mrs. Reshma Gaykar

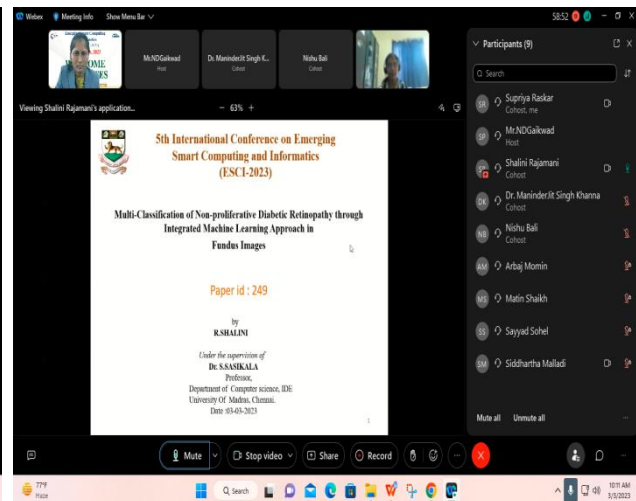
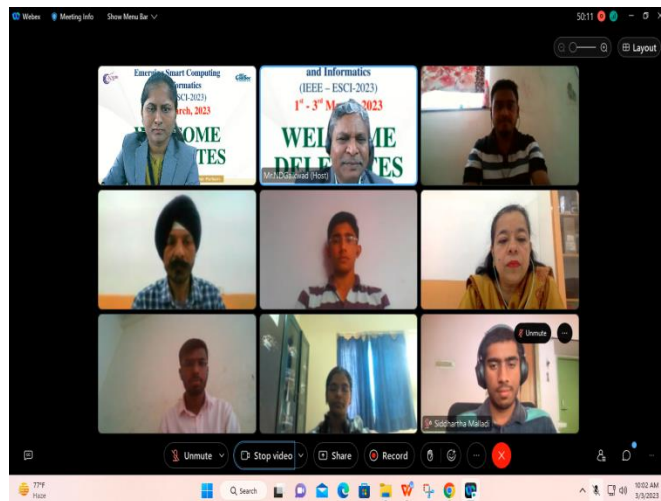


Technical Oral Presentation Session-11 presenting the paper

Technical Oral Presentation Session-12

Track- Image & Signal Processing	Session Chair 1: Dr. Manindarjeet Singh Khanna Session Chair 2: Dr. Nishu Bali	
Day- Friday	Date- 03/03/2022	Time: 10.00 am To 12.00 pm
Session Coordinators- Mr. N. D. Gaikwad Ms. S. S. Raskar	Link- https://tinyurl.com/ESCI-2023-Day-3-Session-12	

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
12	Image & Signal Processing	249	Multi-Classification of Non-Proliferative Diabetic Retinopathy Through Integrated Machine Learning Approach In Fundus Images	Ms. Shalini Rajamani

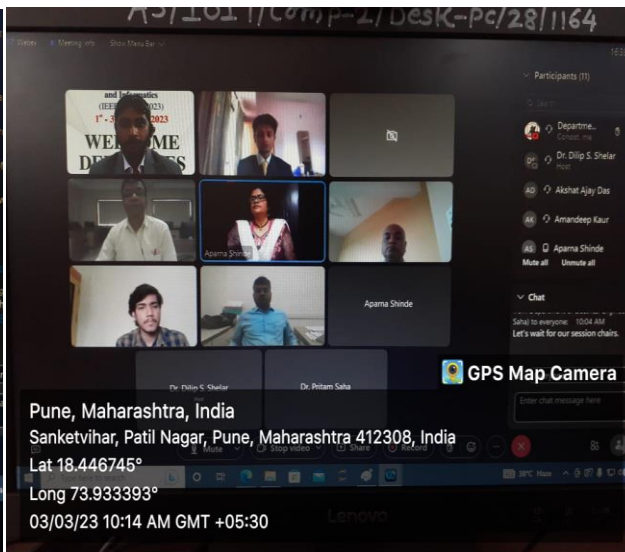
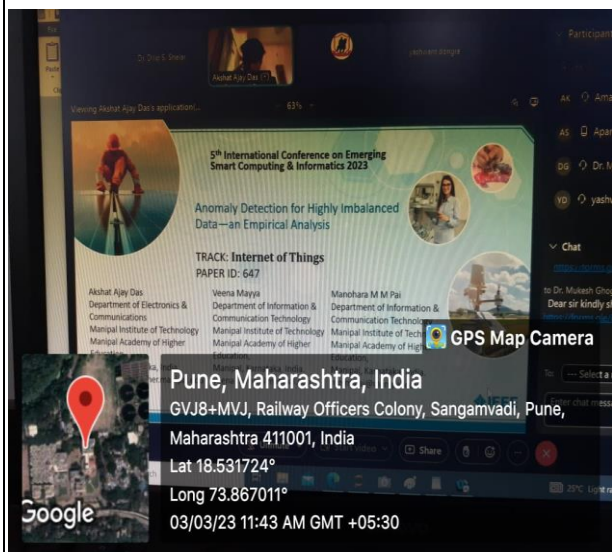


Technical Oral Presentation Session-12 paper presentation

Technical Oral Presentation Session-13

Track - Internet of things	Session Chair :Dr. Vikas Solanki, Professor, Chitkara University	
Day - Friday	Date: 03/03/2022	Time: 10 am to 12 pm
Session Coordinators - Dr.Pritam Saha Dr.D.S.Shelar	Link - https://tinyurl.com/ESCI-2023-Day-3-Session-13	

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
13	Internet of things	350	Evaluation of Induction Motor Drives Efficiency using ARM- 7 based VSI	Mr. Yogesh Kirange



Technical Oral Presentation Session-13 paper presentation

Technical Oral Presentation Session-14

Track -Smart Computing	Session Chair : Dr. VarshaHarpale Dr.Snehal Rathi	
Day - Friday	Date: 03/03/2023	Time: 10 am to 12 pm
Session Coordinators - Mr.Venkat Ghodke Prashant Gulaxe	Venue-505	

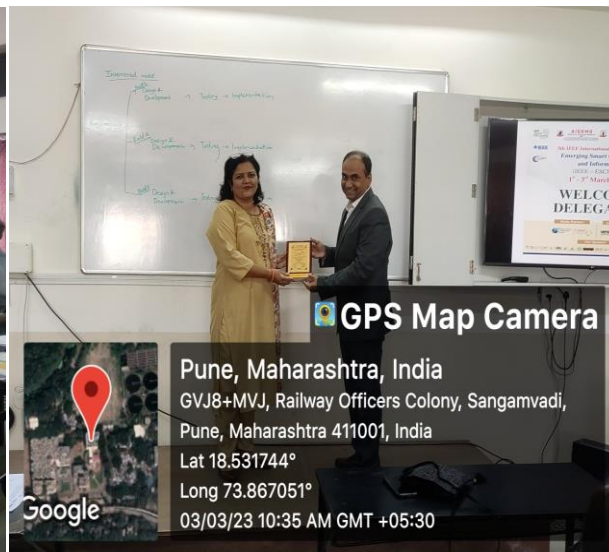
Session number	Track	Paper ID	Best Paper Title	Name of Presenter
14	Smart Computing (Offline)	273	Bi-LSTM based Interdependent prediction of physiological signals	Sumaan Ali



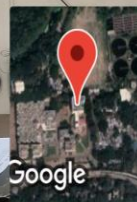
GPS Map Camera



Pune, Maharashtra, India
GVJ8+MVJ, Railway Officers Colony,
Sangamvadi, Pune, Maharashtra 411001, India
Lat 18.531741°
Long 73.867051°
03/03/23 11:03 AM GMT +05:30



GPS Map Camera



Pune, Maharashtra, India
GVJ8+MVJ, Railway Officers Colony, Sangamvadi,
Pune, Maharashtra 411001, India
Lat 18.531744°
Long 73.867051°
03/03/23 10:35 AM GMT +05:30

Participants presenting the paper at Session -14

Technical Oral Presentation Session-15

Track -Smart Computing
Session Chair : Dr. Deipali Gore MESCOE ,Pune Dr. Nilesh Sable VIIT Pune

Day- Friday

Date: 03/03/2023

Time: 10 am to 12 pm

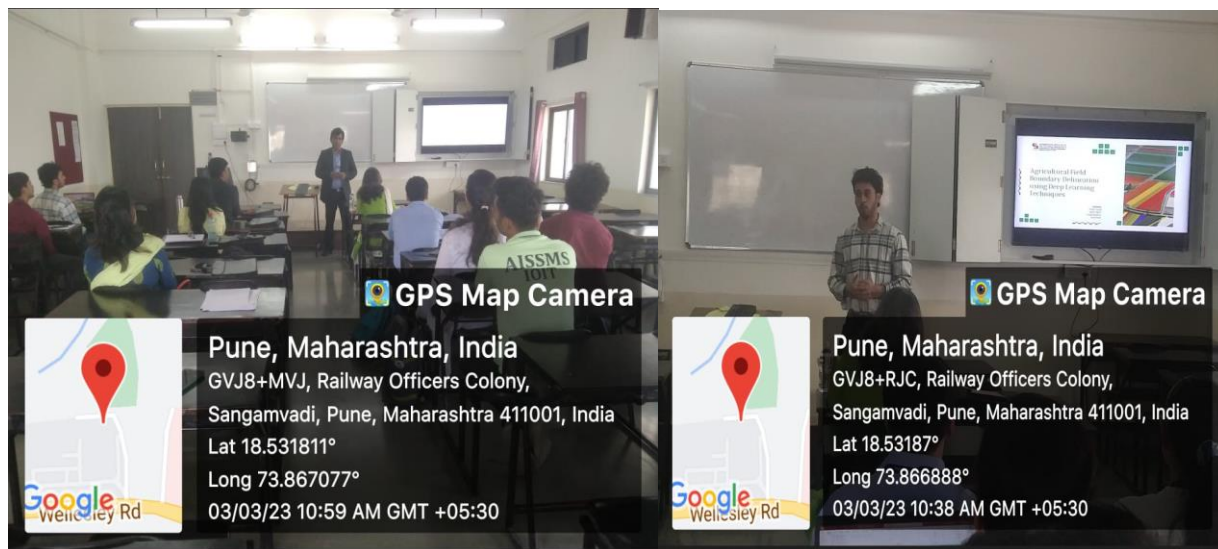
Session Coordinators-

Mrs. Varsha Patil

Mrrs.Sayali Belhe

Venue-405

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
15	Smart Computing (Offline)	652	AI and BIM based Construction defects , rework and waste optimization(Paper Id 652)	Pradnya Desai SayaliSandbhor

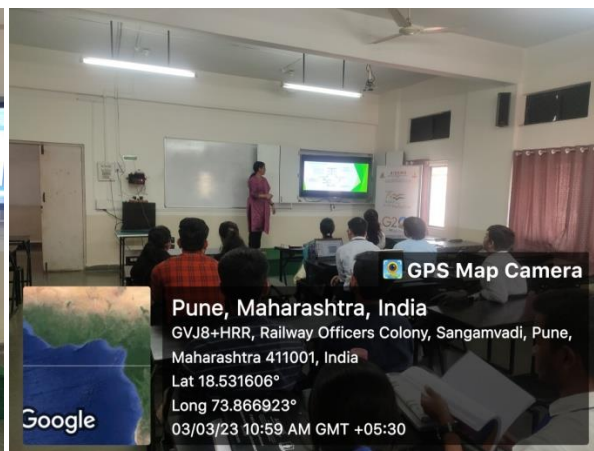


Participants presenting the paper at Session -15

Technical Oral Presentation Session-16

Track -Smart Computing	Session Chair : Dr. Deipali Gore MESCOE ,Pune Dr. Nilesh Sable VIIT Pune	
Day - Thursday	Date: 03/03/2023	Time: 10 am to 12 pm
Session Coordinators - 1. Mr. Rahul Jadhav 2. Mr. Vikas Desai	Venue -305	

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
16	Internet of Things (Offline)	311	IOT Devices Using Supervised Machine Learning Models for Anomaly Based Intrusion Detection	Usha Divakarla

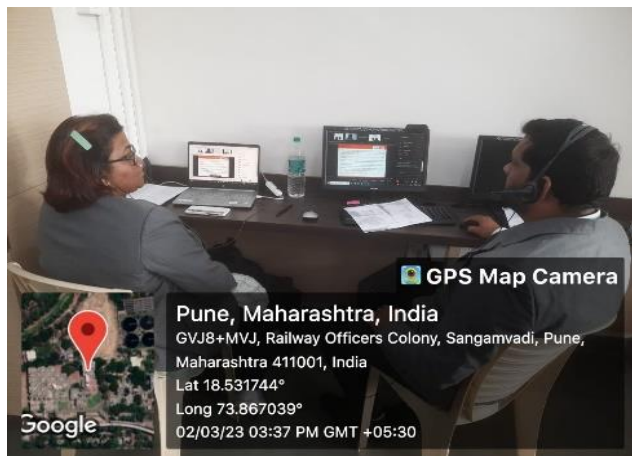
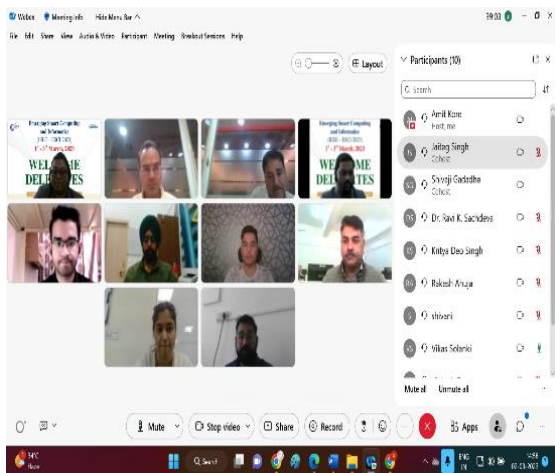


Participants presenting the paper at Session -16

Special Session 1

Track - Special Session 1	Session Chair : Dr. Shalli Rani, Professor, CSE, Chitkara University, Punjab, India Dr. Preetinder Singh Brar, Associate Professor, Department of Computer Applications, Chitkara University, Punjab, India	
Day- Thursday	Date: 02/03/2023	Time: 3pm to 5 pm
Session Coordinators- Ms. Sandhya Ahire Mr. Ashish Apate	Venue- https://tinyurl.com/ESCI-2023-Special-Session-1	

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
1	Special session 1	SB_10	SB_10 :Optimal FIR Filter Design using Invasive Weed Optimization with Horizontal Crossover Operator	Tina Mittal

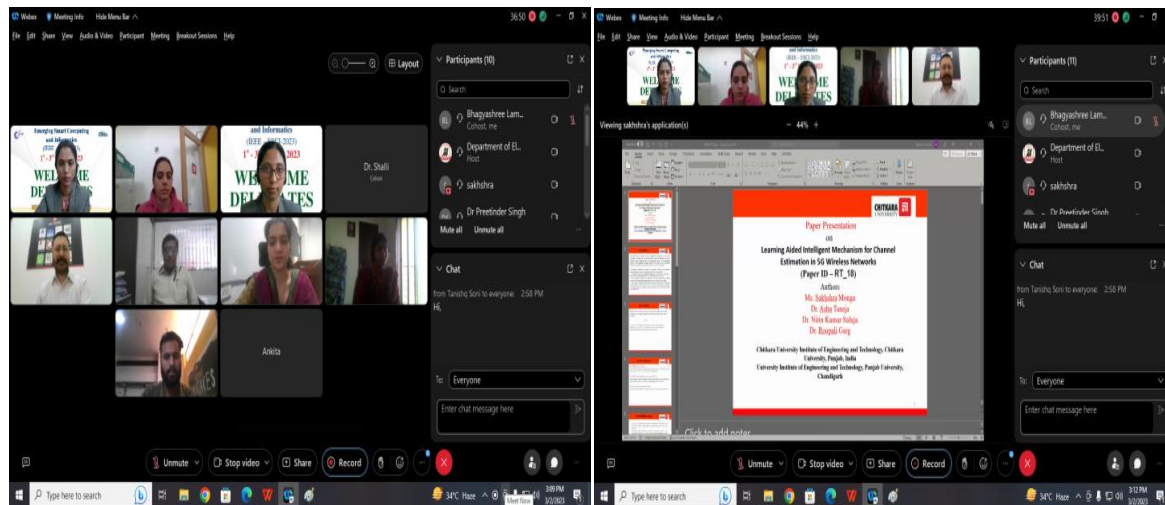


Participants presenting the paper at special Session -1

Special Session 2

Track - Special Session 2	Session Chair : Dr. Shalli Rani, Professor, CSE, Chitkara University, Punjab, India Dr. Preetinder Singh Brar, Associate Professor, Department of Computer Applications, Chitkara University, Punjab, India	
Day- Thursday	Date: 02/03/2023	Time: 3pm to 5 pm
Session Coordinators- Mrs. Gayatri Mawale Ms.Bhagyashree Lambture	Venue- https://tinyurl.com/ESCI-2023-Day-2-Spc-Sess-2	

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
2	Special session 2	RT18	Learning Aided Intelligent Mechanism for Channel Estimation in 5G Wireless Networks	Sakhshra Monga



Participants presenting the paper at Special Session -2

Special Session 3

Track - Special Session 3

Session Chair :

Dr.Sparsh Sharma

Dr. Akhil Gupta

Day- Thursday

Date: 02/03/2023

Time: 3 to 5 pm

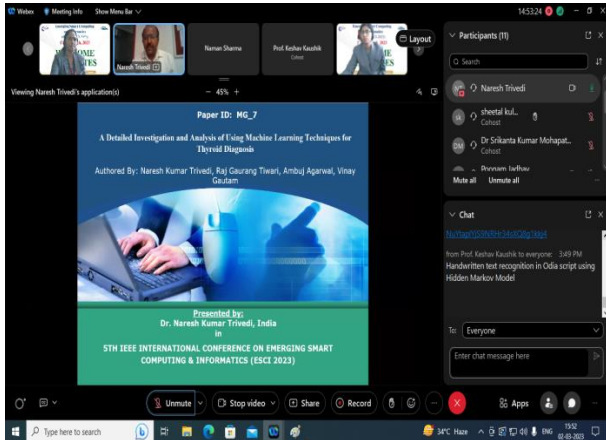
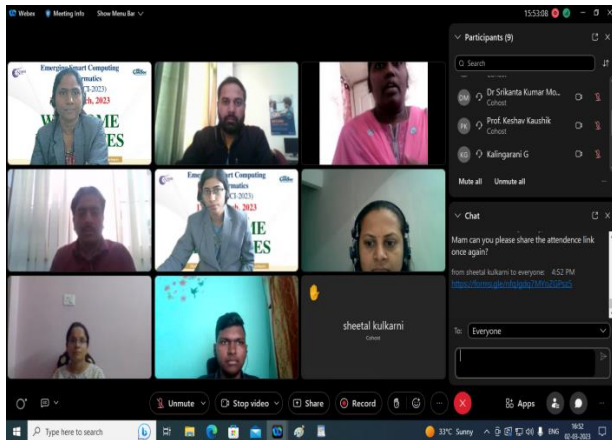
Session Coordinators-

Ms.Archana Randive

Ms.Poonam Jadhav

Venue-<https://tinyurl.com/ESCI-2023-Day-2-Spc-Sess-3>

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
2	Special Session 3	MG07	A Detailed Investigation and Analysis of Using Machine Learning Techniques for Thyroid Diagnosis	Raj Gaurang Tiwari



Participants presenting the paper at Special Session -3

Special Session 4

Track - Special Session 4
Session Chair : Dr. Deipali Gore MESCOE ,Pune Dr. Nilesh Sable VIIT Pune

Day- Thursday

Date: 02/03/2023

Time: 3 to 5 pm

Session Coordinators-

 Sagar Pokharkar
Ramkrishna Tope

Venue- <https://tinyurl.com/ESCI-2023-Day-2-Spc-Sess-4>

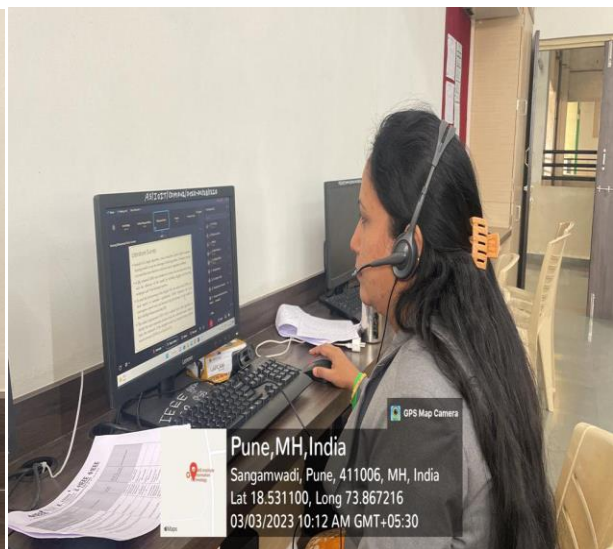
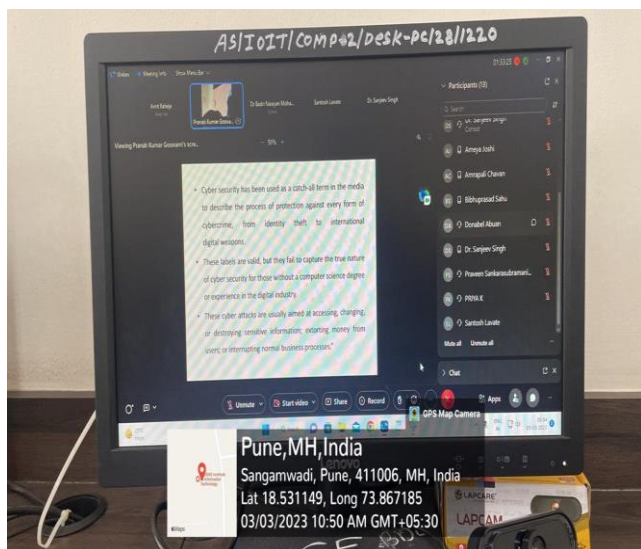
Session number	Track	Paper ID	Best Paper Title	Name of Presenter
4	Special Session 4		An Efficient Base Station Sleeping Configuration for Ultra-dense Networks	Garima Chopra

Participants presenting the paper at Special Session -4

Special Session 5

Track - Special Session 4	Session Chair :Dr. Sanjeev Singh Dr. DeepikaChaudhary	
Day- Friday	Date: 03/03/2023	Time: 10 am to 12 pm
Session Coordinators- Dr.Amrapali Chavan Dr.BadriMohapatra	Venue- https://tinyurl.com/ESCI-2023-Day-3-Spc-Sess-5	

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
5	Special Session 5	SH6	SH_6 Hand Landmark Distance Based Sign Language Recognition using MediaPipe	Priya K



Participants presenting the paper at Special Session -5

Special Session 6

Track - Special Session 6

Session Chair : Dr. P. A. Harshwardhani

Session Chair 2 : Dr. Sandeep Patil

Day- Friday

Date: 03/03/2023

Time: 10 am to 12 pm

Session Coordinators-

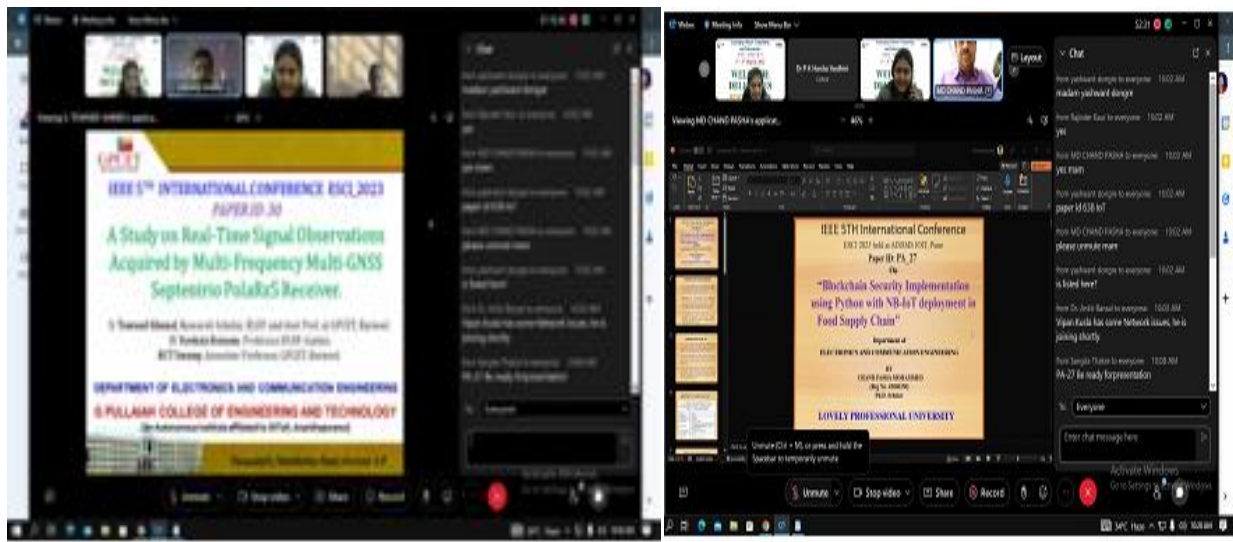
Mrs. Anuradha Varal

Dr. Sangita Thakre

Venue-403

Total No. of Participants- 15

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
6	Special session - 6	350	A Study on Real-Time Signal Observations Acquired by Multi-Frequency Multi-GNSS Septentrio PolaRx5	Towseef Ahmed Shaik



Participants presenting the paper at Session -6

Valedictory Function



Felicitating of guest at valedictory function of ESCI-23

Dr.P.B. Mane felicitating Mr.Abhijit Khurpe,secretary IEEE Pune section.

Valedictory Program of 5th IEEE International Conference ESCI-2023 at AISSMS Institute of Information Technology Pune held on 3rd March 2023 in the presence of Mr.Abhijit Khurpe,Secretary, IEEE Pune section. The conference evidenced to be the meeting ground for the Research Scholars, Academicians, Industry persons and engineering graduates and post graduates. It was an effective platform to share their knowledge and ideas. Participants shared their good experiences regarding conference and congratulated the team for such a wonderful session handling throughout the conference. Best papers from all the sessions were being awarded during valedictory function of ESCI-23.



Team of 5th IEEE International Conference on Emerging Smart Computing and Informatics 2023 (ESCI)

Takeaways from the ESCI-23

The 5th IEEE International Conference on Emerging Smart Computing and Informatics (ESCI-2023) offers an exceptional opportunity for academics and industry researchers to showcase their latest algorithms, models, and technologies while exploring new trends and ideas on smart computing and informatics. The conference serves as a common platform for emerging trends in smart computing, networking, communication, signal and image processing, cyber security, and IoT, providing global participants with the chance to share their ideas and experiences with peers from different regions of the world. This gathering is designed to establish a research environment and foster international linkages for future collaboration in their career path.

The conference aims to focus on various modernization and innovation paradigms that can be applied to address practical and creative solutions to diverse issues in society, industry, and the environment. As such, the conference proceedings invite academics and industry researchers to submit papers explaining literature review, problem statement, methodologies, and appropriate results, which are then reviewed by experts. The selection process is based on the significance and innovation of the content, originality, and unpublished quality work. Accepted and presented papers will be published in the IEEE Explore digital library.

Moreover, the conference also invites special topics, tools, and applications in multidisciplinary areas with keynote and tutorial sessions conducted by expert academicians and professionals. The main focus of this conference is on emerging techniques required for smart computing and informatics, providing a unified platform for advanced and multi-disciplinary research towards the design of smart computing and informatics.

The theme of this conference is centered on various innovation paradigms in system knowledge, intelligence, and sustainability, which can be applied to provide realistic solutions to a variety of problems in society, environment, and industries. The scope of the conference is also extended towards the deployment of emerging computational and knowledge transfer approaches, optimizing solutions in various disciplines of science, technology, and healthcare. Overall, the 5th IEEE International Conference on Emerging Smart Computing and Informatics promised to be an exciting and enlightening platform for professionals in this field.

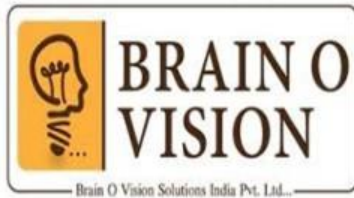
Annexure-I

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1	SI-UK	Contributor
2	Travelog Immigration	Contributor
3	Career Labs	Contributor
4	Digital Parv	Contributor
5	Watermark Sustainability Foundation	Contributor
6	IDLE SOLUTIONS	Contributor
7	Microspectra software technologies pvt.ltd.	Contributor
8	Shree Krishna TechMech Pvt. Ltd.	Contributor
9	Om Shankar Gifts and Novelties	Contributor
10	RCK Electrical Entrprises	Contributor
11	KasNet Technologies Pvt. Ltd.	Contributor
12	Techno brilliant Pvt Ltd	Contributor
13	IHHI (Institute of Holistic Healing)	Contributor
14	Sparkle Enterprises	Contributor
15	AI Adventures	Contributor
16	ADVIT AI Lab	Contributor
17	IndusInd Bank	Contributor
18	IRA ENTERPRIZES	Contributor
19	MindLab I smart center (Smart Mental Nurture)	Contributor
20	Rajvimal Engineering Works (RVG)	Contributor
21	KIMAYA Automation P LTD,PUNE	Contributor
22	Wisdom Sprouts	Contributor

Sponceror







Annexure-II

ESCI 2022 PLAGARISM SUMMERY REPORT					
Sr. No.	Paper ID	Paper Title	1st Plag.	2nd Plag.	Plag. Status
Smart Computing					
1	1	Evolution of E-Learning 3.0 with Web	2%		OK
2	3	Random Forest Regressor Approach for Predicting Resale Value of used Vehicles (RFRVP)	1%		OK
3	9	Prediction of the export value of chemicals using Polynomial Regression	12%		OK
4	11	Machine Learning and Sensor Based Technology Contribution in Greenhouse Smart Farming: A Review	45%		NOT OK
5	12	Deploying and Hosting a Web Application using AWS Cloud	9%		OK
6	20	A Novel Soft Voting Based Hybrid Approach to Detect Fake News in Hindi	31%		NOT OK
7	21	Detection of Covid-19 Pneumonia on Chest X-ray using Artificial Intelligence	0%		OK
8	22	AI Application to Help You Improve Your Communication Skill	2%		OK
9	23	Hybrid Neural Network Based Fuzzy Inference System Combined with Machine Learning to Detect and Segment Kidney Tumor	36%		NOT OK
10	24	Timely Taste	1%		OK
11	26	A Survey on E-Voting System using Blockchain Technology	11%		OK
12	28	State of the art challenges and	41%	14%	NOT OK

		technique for 5G and 6G using Software defined network			
13	34	Intelligent Electrical Load Shedding in Domestic Load with a Case Study	70%		NOT OK
14	37	Insight on Human Activity Recognition Using the Deep Learning Approach	3%		OK
15	38	Explicable AI for surveillance and interpretation of Coronavirus using X-ray imaging	14%		OK
16	41	An Enhanced Intelligent Algorithm On Fault Location System	14%		OK
17	43	Prediction of Quality of Air using Different Machine Learning Algorithms	15%		OK
18	44	Artificial Intelligence And Machine Learning: Applications, Classifications, And Implementations	7%		OK
19	46	Student Engagement Prediction in MOOCs Using Deep Learning	32%	29%	OK
20	47	Gamification in Education: Designing a Gamified learning App	9%		OK
21	48	A Survey: Cardiovascular disease prediction using Deep Learning and Data Mining Techniques	25%		OK
22	52	Parking Management System using OpenCV	20%		OK
23	55	Implementation of Reliable Post-Disaster Relief Communication Network Using Hybrid Secure Routing Protocol	16%		OK
24	60	Automated Subjective Answer Evaluation Using NLP	56%		NOT OK
25	62	Survey on smartphone sensors and user intent in smartphone usage	28%		OK
26	63	Blockchain In Education: An Approach Towards Blockchain	18%		OK

		Emerging In Education Sector			
27	64	A Broad Review on Traditional and Deep Learning based Object Detection Methods: challenges and Future Scope	11%		OK
28	71	A Review paper on cloud computing using latest trends	13%		OK
29	77	Big Bang Theory improved Shortest Path, construction, evolution and status Model Based Course like environment Machine Learning	5%		OK
30	78	Significant impact in the field of IOT systems: Integration issues, prospects, challenges, Communication	1%		OK
31	80	Literature Review on Intrusion Detection System	52%		NOT OK
32	81	Vishwa-Connect: A Ride Sharing Mobile Application For Campus Students.	45%		NOT OK
33	85	NEWSIFY:- Categorisation and Perception of suspicious news using Machine Learning Algorithm- A survey	26%		OK
34	87	Agricultural Food supply chain Traceability using Blockchain	34%		NOT OK
35	92	High Utility Pattern Mining: A Comprehensive Survey	45%	53%	NOT OK
36	94	Corrupted manuscript-Desk Reject			
37	95	Automated Student's Face Recognition and Identification Using Deep Learning	33%		NOT OK
38	97	Healthcare Information Exchange using Blockchain Technology	12%		OK
39	98	Recognition of the varieties of rice using Machine Learning Technologies	18%		OK
40	103	Enhanced Play Fair Cipher using 6X6 Matrix	7%		OK
41	105	Construction of a Hybrid	28%		OK

		Algorithm Combining Upgraded Playfair Cipher and Diffie-Hellman for a Safe Key Exchange			
42	106	Effective modification of Playfair cipher	24%		OK
43	107	A Review On Emotion Recognition for Human Body Using Machine Learning Techniques	50%	17%	OK
44	108	Question Answering System	23%		OK
45	113	Breathing Recovery Assistance Device (BRAD) for Patients with Acute Respiratory Failure	20%		OK
46	115	Smart Home Automation System	37%		NOT OK
47	116	Missing Manuscript			
48	118	TrackEZ Expense Tracker	16%		OK
49	121	HealthGuide	84%		NOT OK
50	122	Android Malware Detection using SVM and Neural Network	57%		NOT OK
51	124	Automated Email Response Generating And Replying System	37%	28%	OK
52	125	A survey report on mental illness prediction using machine learning algorithms	23%		OK
53	127	Money laundering fraudulent prediction using classifiers	22%		OK
54	130	Budgetio - A Budget and Expense Tracking Website	12%		OK
55	131	Envisaging and retaining college workforce attrition using Machine Learning and Ensemble Learning	20%		OK
56	132	Digitizing notes using Optical Character Recognition and automatic topic identification and classification using Natural Language Processing	23%		OK
57	133	Data Analyst Perspective for Twitter Dog Rating	14%		OK
58	140	Survey On Securing Medical	10%		OK

		Report Using Blockchain			
59	148	A Solution To Finding Fruit Freshness Index Using Computer Vision	19%		OK
60	149	Computer Vision Based Virtual Mouse Cursor Using Hand Gesture	23%		OK
61	150	Sports Social Collaboration System Project	24%		OK
62	152	Performance Analysis of Solar Photovoltaic Panel using Machine Learning	26%		OK
63	153	Secured Medical Records Storage and Insurance Cost Prediction System	31%		NOT OK
64	155	Call Data Records/Internet Protocol Data Records Analysis Using K Means & RFM Algorithm	35%		NOT OK
65	156	Survey of CRM and Algorithmic techniques used in online food ordering system	18%		OK
66	159	Algorithm Visualization	22%		OK
67	161	A Survey on Fake Product Identification System	49%	27%	OK
68	162	Model for Mining Textual Features of Biology Syllabus and Exam Papers	43%		NOT OK
69	164	Immutability, advantage or disadvantage of blockchain - Systematic review on blockchain in healthcare	15%		OK
70	167	Prediction Of Blight Ticket Compliance Using Different Regression And Classification Models	17%		OK
71	171	A Deep Analytics On Air Pollutants And Its Implications In Tamilnadu, India	16%		OK
72	174	Kidney Disease Prediction Using Different Classification Techniques	25%		OK

73	175	Smart Cctv	19%		OK
74	177	Color Theory Learning aid to cultivate “Designerly Thinking”	14%		OK
75	180	Missing manuscript	--	--	--
76	181	Survey on Algorithmic Trading	19%		OK
77	188	Ai Based Scarecrow Preventing From Crop Vandalization	13%		OK
78	189	Comparative Analysis Of Edge Detection Methods	21%		OK
79	191	Design Services At Home-Tailor Application	13%		OK
80	192	Introduction To Logistic Regression For Prediction	24%		OK
81	194	Hermes - Smart College App	25%		OK
82	196	Chatbot Development For Centralized Ganesha Festival Management System Using Machine Learning Techniques	16%		OK
83	200	Semantic Segmentation Based Leaf Disease Severity Estimation Using Deep Learning Algorithms	28%		OK
84	202	Deep Learning Architecture For Dental X-Ray Image Segmentation And Tooth Numbering: A Review.	19%		OK
85	204	Arztin-An E-Medical Application	36%		OK
86	207	Genome Based Identification And Visualizing GC-Content Hotspots	24%		OK
87	208	Understanding The Terminology Used In Malware Analysis	14%		OK
88	211	An Innovative Blockchain-Based System for Employees in the Healthcare Industry	16%		OK
89	214	Machine Learning for Prediction of Mental Health Conditions: A Review	33%	24%	OK
90	218	Secure Cloud Storage using a Digest Algorithm	14%		OK
91	220	Application of Cloud Computing	16%		OK

		in an Education Sector through Education and Learning as a Service and its Cost Benefit Analysis			
92	221	Prediction and Detection of Liver Diseases using Machine Learning	26%		OK
93	224	“Automatic Depression Detection Using Machine Learning”	15%		OK
94	226	Threat Detection and Rescue using Machine Learning	18%		OK
95	227	Skin cancer detection and Intensity Calculator using deep learning	19%		OK
96	231	Web Based Book Recommendation System Using Collaborative Filtering	18%		OK
97	232	Detecting Brain Tumors From Mr Images Using Deep Transfer Learning Based Models	79%		NOT OK
98	237	Ternary Based Computing System For Convolutional Encoder	66%		NOT OK
99	243	Research review on Waste management system	9%		OK
100	244	Smart Task Board: Complete web accessible solution to modern task management	13%		OK
101	252	A Comprehensive Review of Machine Learning for Financial Market Prediction Methods.	43%	28%	OK
102	253	Intelligent modelling of Magnetic Hyperthermia parameters for predicting Anti-Tumor effects	48%		NOT OK
103	260	Heart Ailment Prediction Using Machine Learning Methods	33%		NOT OK
104	269	Blockchain Technology In Education Sector - A Review	25%		OK
105	270	Decentralized Exchanges	11%		OK
106	273	Bi-LSTM based interdependent prediction of Physiological signals	21%		OK
107	274	Corrupted manuscript- Desk Reject	--	--	--

108	278	Blockchain Technology And AI	24%		OK
109	281	Power Theft and Energy Fraud Detection	19%		OK
110	283	Alpha Gadget: A Comprehensive Review of Technologies for Improving Business Involvement and participation in E-Commerce	13%		OK
111	284	College Chatbot System using Python	11%		OK
112	285	Blockchain in Education	23%		OK
113	287	Word Sense Disambiguation: Adaptive Word Embedding with Adaptive Lexical Resource	17%		OK
114	290	Face Anti-Spoofing and Criminal Detection of Real & Valid Face Images using Deep Neural Network and Face Liveness Detection using Image Processing & Machine Learning	37%	26%	OK
115	291	Analysis of Effective Load Balancing Techniques in Distributed Environment	93%		NOT OK
116	292	An Optimal Approach to Vehicular CO2 Emissions Prediction using Deep Learning	32%	27%	OK
117	294	Analysis On Desktop Based Voice Assistant Using Python	17%		OK
118	296	Hybrid Gradient Boost based Heart Failure Prediction System	22%		OK
119	297	Transformer-based arabic offensive Speech detection	33%	20%	OK
120	299	Smart Accident Prevention And Alerting System	40%		NOT OK
121	300	A Comprehensive Review On Optimizing Battery Management System Algorithms For Enhancement Of The Performance Of Lithium-Ion Batteries	35%		NOT OK
122	307	Self-Driving Car	25%		OK

123	308	DNS Cache Poisoning Detection	16%		OK
124	309	Detection of Phishing E-mail: A Survey paper	15%		OK
	314	Review of Recent Deep Learning Methods for Classification and Detection of Pests	41%	12%	OK
125	318	Design of a Deep Learning Model for Cyberbullying and Cyberstalking Attack Mitigation via Online Social Media Analysis	28%		OK
126	319	Blood and Plasma Donation, Management System With GPS Using FIREBASE	14%		OK
127	322	Bayesian Network based Optimal Load Balancing in Software Defined Networks	28%		OK
128	324	Query processing over RelationalCross Model in uncertain and probabilistic databases	40%		NOT OK
129	325	A Compact Asymmetric Coplanar Strip (ACS) Antenna for WLAN and Wi-Fi Applications	26%		OK
130	327	Solving Maze With Ai Dots Using Genetic Algorithm	13%		OK
131	328	A Review On: Developing A Sensor Based Model Using Machine Learning For Soil Testing	15%		OK
132	331	Detection of Cyber Attacks and Network Attacks using Machine Learning Algorithms	45%	28%	OK
133	336	Trusted Framework for Online Banking in the Public Cloud using Multi-Factor Authentication using Blockchain Framework	41%	24%	OK
134	349	GENERATION OF QUESTIONS BASED ON MACHINE LEARNING TECHNIQUE WITH THE HELP OF TEXTRANK ALGORITHM	49%	13%	OK
135	357	Survey paper on Emotion	66%		NOT OK

		Perception based on Context of a person			
136	361	Detection of Epileptic Seizure in EEG signals using Machine learning and Deep Learning Techniques	20%		OK
137	362	Decentralized Personal Health Record Application using Blockchain	24%		OK
138	367	File Encryption-Decryption Using Java	19%		OK
139	369	Business Intelligence and its use in the Healthcare Sector primarily in Hospitals	42%		NOT OK
140	371	Achieving Load Balanced in Distributed Cloud Computing with Reinforcement Learning Algorithms on Heterogeneous Environment	55%		NOT OK
141	375	Comparison and Loss Analysis of Efficient Optical Routers	28%		OK
142	378	Heart Disease Prediction using Machine Learning	50%		NOT OK
143	379	Predictive Model for Emergency Medical Services (EMS) using Machine Learning and Data Mining	6%		OK
144	380	Text Processing: Context or summary extraction for Text data (English and Hindi)	58%		NOT OK
145	391	Web-Series Review and Feedback Using Deep Learning	26%		OK
146	392	Using CNN-LSTMs and transformer RNNs for COVID19 impact prediction	40%		NOT OK
147	395	Role of Routing Protocol in Mobile Ad-Hoc Network for Performance of Mobility Models	20%		OK
148	396	Kettle Farm : QR Based Milk Dairy Application for Farmers	16%		OK
149	397	Property Registration Using Blockchain	31%	23%	OK

150	405	Check De-duplication on Dependable Data Outsourcing with Three Error Detecting Techniques on Cloud Computing	25%		OK
151	408	A system for language translation	25%		OK
152	410	Review on Sensor Based Model for Soil Testing Using Machine Learning	16%		NOT OK
153	411	The current state of art- Indian unleavened flat bread cooking	76%		NOT OK
154	413	Smart Digital E-portal for Indian Farmers	20%		OK
155	415	Stock Price Prediction Using Long Short-Term Memory And Twitter Sentiment Analysis.	83%		NOT OK
156	416	Assets Warehousing System	15%		OK
157	420	Smart Employee Dashboard	16%		OK
158	422	Dijkstra's Algorithm Used for Route Optimization	23%		OK
159	423	Voice-Controlled Robot Using Arduino And Bluetooth	33%	16%	OK
160	425	Evaluating the economic disparities in the world: Sentiment Analysis on Central Bank Speeches from Third World and First World Countries	7%		OK
161	427	Freshness Index Prediction of Fruits and Vegetables from their Images using Machine Learning Techniques	19%		OK
162	437	Redundancy Prevention Using Phonetic-Based Algorithm	21%		OK
163	447	Early Revealing Cardiovascular Disease Identification Using Data Mining Approach	96%		NOT OK
164	448	Android Based Smart Appointment System (SAS) for Booking and Interacting with Teacher for Counselling	15%		OK
165	449	A Comprehensive survey on Real	19%		OK

		Time human pose estimation			
166	453	Machine Learning Based Problem Solving Approach in Green Computing	30%		OK
167	454	Enhancing the Management of Supply Chains Using Blockchain Technology: Literature Survey	25%		OK
168	456	A Review on Different Regeneration And Range Extension Systems for Electric Vehicle	56%		NOT OK
169	457	MedNcrypt : A Blockchain Based Decentralised Medical Record Storage System Using IPFS	30%		OK
170	460	Borrow Select Subtractor for Low Power and Area Efficiency	93%		NOT OK
171	461	Smart Road Damage Detection and Warning	83%		NOT OK
172	465	Sentiment Analysis of Restaurant Reviews from Bangladeshi Food Delivery Apps	21%		OK
173	467	Performance analysis of optimization algorithms for convolutional neural network-based handwritten digit recognition	36%		NOT OK
174	468	A Theoretical Approach Of Studying The Ransomware, Its Phases And Type Of Attacks Detection Using Machine Learning And Preventions.	35%	31%	NOT OK
175	473	Text Summarization Using NLP Approaches	26%		OK
176	476	Multimodal Content Analysis For Detection Of Context Aware Variant Code Clones: A Systematic Literature Review	23%		OK
177	480	Disease And Pest Detection In Crops Using Computer Vision: A Comprehensive Study	43%	39%	NOT OK
178	481	Formal Verification Process Of Combinational Adder Using UVM	44%		NOT OK

		Methodology			
179	483	On Vehicle Hands - On Training And Evaluation Application For Off - Road Vehicles.	0%		OK
180	484	A Novel Approach To Maze Solving Algorithm	15%		OK
181	485	Fee Calculation Framework Using Matrix Multiplication	27%		OK
182	488	An Ethereum Based Donation System	20%		OK
183	489	Load Balancing in Distributed Cloud Computing: A Reinforcement Learning Algorithms in Heterogeneous Environment	47%	31%	NOT OK
184	491	Portable Kashaya Maker	11%		OK
185	493	Advanced Network Traffic Analyzer for Military based Applications	24%		OK
186	494	Online Transaction Anomaly Detection Model for Credit Card Usage Using Machine Learning Classifiers	49%	30%	OK
187	496	E-Commerce For Local Shops : V-Vocal	23%		OK
188	497	A Review Paper on Employee Management System	29%		OK
189	498	A Survey of Mathematical Problem Solving from Natural Languages	33%	21%	OK
190	499	Research on plant disease detection based on neural network and attention mechanism	37%	19%	OK
191	507	Comparison of Machine Learning Algorithm for stock price prediction using sentiment analysis	23%		OK
192	510	Sustainable Development of Community Using Green Marketing	16%		OK

193	511	Comprehensive comparative review of prime Analytical Techniques for Converters	53%		NOT OK
194	512	Survey on Different Smart Techniques of Computing Machine Translation	11%		OK
195	513	Comparison of Machine Learning Algorithm for stock price prediction using sentiment analysis	23%	30%	OK
196	514	AutoML: Learning understanding and applying machine learning datasets	23%		OK
197	515	A study on DDoS Attacks on Wireless LANs and Deep Learning IDS	34%		NOT OK
198	516	Design & simulation of Four Wheeler Electric Vehicle	14%		OK
199	517	Use of AI/ML in Cancer Detection and Prediction	36%		NOT OK
200	522	Short Analysis Data Mining Clusters In Data Science	62%		NOT OK
201	523	Fuel efficiency detection using machine learning	73%		NOT OK
202	524	Rest API for Blogging Application	62%		NOT OK
203	525	Automatic Question Generation from Textual data using NLP techniques	15%		OK
204	526	Techniques to Estimate the Status of Legal Proceedings Considering Sequential Text Data.	15%		OK
205	527	Drowsiness Detection System	74%		NOT OK
206	528	The Effect of Fake Reviews on e-Commerce and fake review detection	54%		NOT OK
207	529	Systematic review of dental implant using artificial intelligence	39%		NOT OK
208	530	ICode -An unified competitive coding profile platform.	8%		OK
209	531	Lung Cancer Detection Using Neural Net	32%		NOT OK

210	532	Recognition of the varieties of rice using CNN	28%		OK
211	534	Semantic cloud : a language repository using word sense embedding	14%		OK
212	535	Comparative Analysis of Open-Source Vulnerability Assessment Tools for Campus Area Network	12%		OK
213	539	A task offloading scheme with Queue Dependent VM in fog Center	35%		NOT OK
214	544	Reversible logic gates and its application : A comprehensive survey	53%		NOT OK
215	545	“SKYE: Voice Based AI Desktop Assistant”	13%		OK
216	548	Bank Loan Approval System And Devops Practices	21%		OK
217	557	Fpga Implementation Of Ternary Convolutional Encoder	35%		NOT OK
218	558	An Impact of Artificial Intelligence Techniques by using SMO Algorithm with Several Kernels in Privacy Preservation of Medical Data	45%		NOT OK
219	564	Monitoring of the Dam using a Cutting-Edge Wireless Emergency Alarm System	32%	22%	OK
220	569	Development of cost-effective precision spraying techniques using sensor technology	31%	15%	OK
221	571	Blockchain Based Used Vehicle Tracking System	19%		OK
222	572	Speech Synthesis for Marathi Language using Syllabic Approach	36%		NOT OK
223	573	Self-Adaptive Hadoop Cluster for Data Analysis Applications	10%		OK
224	575	A Dual-band Slotted Antenna with an Asymmetrical T-shaped Stub for Application in WLAN Systems	29%		OK
225	576	Crop Disease Detection and Recommendation Using Machine	30%		OK

		Learning Algorithms			
226	578	Thyroid Disease Prediction and Detection Using Machine Learning	48%		NOT OK
227	580	An Innovative Deep Learning Framework for Healthcare Cost Prediction	19%		OK
228	581	Synopsis creation for research paper using text summarization models	30%		OK
229	582	Classification of Health Data Using Applied Cascade Generalization	37%		NOT OK
230	583	An efficient model to predict Cardiovascular diseases using explainable AI	30%		NOT OK
231	584	Automate lifelong hate speech detection : Current challenge in Cross-Domain adaption	31%	29%	OK
232	585	Agricultural Field Boundary Delineation Using Deep Learning Techniques	17%		OK
233	587	Popularity Preserving Fair Matching	22%		OK
234	588	Credit Risk Prediction using Machine Learning Analytics: An Ensemble Model	25%		OK
235	591	Mobile robot control based on virtual Impedance force feedback	33%	26%	OK
236	593	Chatbot-based System for Animal Husbandry with E- Farming	13%		OK
237	594	Spectrum Inference in Cognitive Radio Networks with Machine Learning	23%	29%	OK
238	596	Navigation based booking system for EV charging station	36%		NOT OK
239	597	A Review on deep learning based recommendation systems for handling data sparsity	52%		NOT OK
240	599	Switching on/off/lock/unlock computer via voice recognition	25%		OK

241	601	Substituting Context Based Synonyms Using BERT : A review	26%	20%	OK
242	605	Smart bus pass using Android App	35%		NOT OK
243	606	Hyperspectral Image Classification Using Spatial-Spectral Waveletcnn	33%		NOT OK
244	609	Eye Gesture Interface And Emotion Detection Tool	26%		OK
245	611	Indian Sign Language Recognition: A Comparative study	49%	33%	NOT OK
246	614	Neural Network Based Mortality Prediction in Covid-19 Dataset	28%		OK
247	615	PPER: A Partial Prioritized Experience Replay(PER) in Multi-Agent setting of Reinforcement Learning	25%		OK
248	618	Analysing the sentiments of Marathi-English code-mixed social media data using machine learning techniques	25%		OK
249	620	Cluster Prediction of Students Data by using K-Means Clustering Algorithm	64%		NOT OK
250	625	Flexible responsive data replication methodology for optimal performance in cloud computing	25%		NOT OK
251	626	Mitigation of Straggler in Virtual Machine Stack Using Supervised Learning Methodology	23%		OK
252	628	Online Catering System for College Canteen using Firebase	6%		OK
253	629	Sentiment analysis using machine learning techniques	53%		NOT OK
254	631	Novel Protein Structure Prediction Model Using Fused Pipit Adapted Deep Convolutional Neural Network Classifier	24%		OK
255	632	SQL Injection Attacks And defense mechanisms	24%		OK
256	634	Mobile Based-Carbon Footprint	12%		OK

		Calculator And Analyzer			
257	636	Mini - A Desktop Based Voice Assistant For The Disabled	29%		OK
258	637	Novel Protein Structure Prediction Model Using Fused Pipit Adapted Deep Convolutional Neural Network Classifier	24%		OK
259	639	AI Enabled Blockchain solution for the Indian Judicial System	14%		OK
260	640	A critical study on the current trends in AIOps leveraging different machine learning technologies	26%		OK
261	643	Comparative Analysis on prediction of mental distress of patients through Social Media Interaction using AI & ensemble ML Techniques	24%		OK
262	648	Disaster Recovery in Cloud Computing	12%		OK
263	649	Chat nvironment using socket programming in java	18%		OK
264	650	A Blockchain-Based Approach to Streamlining Land Registration using Hyperledger Fabric	25%		OK
265	652	AI and BIM-based Construction defects, rework, and waste optimization	26%		OK
266	655	Survey on Information Security and Quntuam Cryptography	23%		OK
267	656	EduKrishnaa: A Career Guidance web application based on Multi-Intelligence using Multiclass Classification Algorithm	25%		OK
268	657	Title not available	70%		NOT OK
269	660	Effective utilization of Plastic Garbage for Road Construction	13%		OK
270	661	Effect of temperature on red wine grape juice color using fuzzy inference system	33%	21%	OK
271	662	Smart campus bus tracking alert system using real-time GPS	17%		OK

272	663	Early Prediction of Diabetes using ML Techniques	38%	31%	NOT OK
273	664	Text Summarization for Hindi Language	18%		OK
274	669	Auto Signal Generate in Curvy Roads Using Object Detection	16%		OK
IOT Track					
1	4	Data Security In Sensors Of Wireless Sensor Networks	48%		NOT OK
2	15	IOT Based Smart Monitoring Of Sandalwood Crop	3%		OK
3	17	Mart Door Latching System Using Face Recognition	4%		OK
4	25	Smart Tracking Device	2%		OK
5	33	A Comprehensive Survey On Smart Safety Devices For Women	21%		OK
6	35	Automatic Alcohol Sensing And Vehicle Accident Detection System Using Gps And Gsm	12%		OK
7	53	An Effective Method To Detect Malware Files With Yara Using Raspberrypi	17%		OK
8	54	Performance Analysis Of VLC Based Intelligent Transportation System	32%	29%	OK
9	58	Blink Controlled Wheelchair	30%		OK
10	59	Pressure Cooker Whistle Counter Using Arduino	20%		OK
11	70	Cloud Computing Using Iot	7%		OK
12	76	Banking And Financial-Services Contribute Country Cities Combat COVID-19 Pandemic Blockchain Technology And Its Application	18%		OK
13	79	A Model To Monitor Hydroponic System Using IOT	23%		OK
14	83	Cluster Based Energy Efficient Algorithms Of Flying Ad-Hoc	44%		NOT OK

		Network			
15	86	Smart Health Care Dapp Using Blockchain	51%		NOT OK
16	91	A Survey On Music Genre Classification Using Machine Learning	99%		NOT OK
17	93	Iot-Based Smart Landslide Detection System (S-LDS)	25%		OK
18	96	Literature Review On Crowdfunding Using Blockchain	15%		OK
19	99	Preprocessing Data For Stock Price Prediction	21%		OK
20	104	Iot Enabled Smart Entrance System For Crowd Counting And Temperature Detection.	16%		OK
21	114	Smart Home Automation System	37%	20%	OK
22	117	Otp Based Smart Wireless Locking System	18%		OK
23	120	Wireless Hand Motion Controlled Robotic Car	84%		NOT OK
24	126	Iot Enabled Line Following Robot	28%		OK
25	134	Automatic Pet Day-Care Robot	23%		OK
26	135	Design Of Arduino Based Solar Tracker For Renewable Energy	17%		OK
27	137	Remotely Operated Animatronic Arm	13%		OK
28	141	Effective And Efficient Implementation Of Stock Price Predictor Using Lstm And Arima	25%		OK
29	143	Night Patrolling Robot For Suspicious Activity Detection	9%		OK
30	145	Display And Controlling Of The Parking Slots In The Parking Lot.	17%		OK
31	146	Online Smart Car Parking System	26%		OK
32	147	Wireless Hand Motion Controlled Robotic Car	51%		NOT OK
33	157	Deep Learning: How To Apply	18%		OK

		Machine Learning And Deep Learning Methods To Audio Analysis			
34	160	Obstacle Avoider And Line Follower Robot	95%		NOT OK
35	169	Smart Blind Stick	7%		OK
36	172	The Smart Landmine Detector	48%	43%	NOT OK
37	173	An Overview Of Different Autonomous Vehicle Algorithms For Sensing And Route Planning	34%	31%	NOT OK
38	176	Consortium Blockchain-Based Public Integrity Verification In Cloud Storage For Iot	86%		NOT OK
39	179	Advanced Irrigation And Cultivation System Based On Machine Learning In IOT Environment	23%		OK
40	186	Review Paper On: Driver's Sleepiness Detection System Using Raspberry-Pie	31%		NOT OK
41	193	To Design Automatic Parking System Using Iot	16%		OK
42	197	Survey On Iot Based Smart Irrigation System	23%		OK
43	209	3-Ph Dual Converter With Separately Excited DC Motor Control Using Iot For Irrigation Pumping	40%	5%	OK
44	217	IOT Connected Smart Pill Box	14%		OK
45	223	Iot Based Bio Shed For Agricultural Purpose	22%		OK
46	228	Design Of Fractal Antenna For Wideband Applications	85%		NOT OK
47	229	Compendium Of MIMO Antenna Design For Wireless Communication	45%	39%	NOT OK
48	230	Bone Deformation Identification Using Machine Learning	47%		NOT OK
49	235	Smart Health Card Using Mobile	58%		NOT OK

		Application And Iot Device			
50	236	Automatic Night Patrol System	14%		OK
51	239	Energy Efficient Hybrid Power BUOY	39%		NOT OK
52	245	Self- Regulated Robotic Illuminant Using Nodemcu(ESP8266)	13%		OK
53	246	Iot-Based GPS Location Tracker Using Nodemcu And Google Firebase	32%		NOT OK
54	247	Industrial Protection System Using Iot	12%		OK
55	248	Automated Irrigation System	36%		NOT OK
56	251	Smart Power Theft Detection And Control System Using Iot	7%		OK
57	257	AI Based Smart Stretcher With Remote Knowledge Communication Via Iot	53%		NOT OK
58	259	Iot-Based Automatic Weather Station	19%		OK
59	268	Smart Surveillance System With ANPR	17%		OK
60	279	Missing Manuscript	--	--	--
61	280	Autonomous Robots	8%		OK
62	295	Smart Trolley System	21%		OK
63	301	Posture Monitoring Apparatus For Physiotherapy	43%	24%	OK
64	306	Exercise Oriented Smartband In Health And Fitness	26%		OK
65	311	Anomaly Based Intrusion Detection In IOT Devices Using Supervised Machine Learning Models	32%	25%	OK
66	312	“An Detection Of Cardiovascular Disease Using Deep Learning”	24%		OK
67	313	Smart Shopping Trolley Using Nodemcu	17%		OK

68	316	Nuro: A Personal Healthcare Assistant	30%		OK
69	317	A Survey For The Energy Efficiency In Coap And MQTT Protocol: A Comparative Study	32%	31%	NOT OK
70	320	Development Of Automatic Railway Train Safety System	17%		OK
71	326	Monitering System For Comatose Patients Using Iot	5%		OK
72	329	Contextual Flow Of Information In Tourism Using BLE Proximity Detection To Enhance The Tourism Experience	21%		OK
73	330	Pcb Drill Machine Using 3d Plotter	21%		OK
74	334	Internet Of Things - Security And Privacy Through Advanced Analytics	19%		OK
75	335	Virtual Mouse Using Hand Gestures	33%	80%	NOT OK
76	341	Smart Surveillance System For Attendance Monitoring	26%		OK
77	344	IOI System For Monitoring Of Overloaded Vehicles At Toll Plaza	19%		OK
78	346	Energy Efficient And Load Balanced Clustering Approach For Wireless Sensor Network Using Genetic Algorithm	23%		OK
79	350	Evaluation Of Induction Motor Drives Efficiency Using ARM-7 Based VSI	17%		OK
80	351	Evaluation Of Induction Motor Drives Efficiency Using ARM-7 Based VSI	17%		OK
81	355	Content In Your Voice	8%		OK
82	364	Design Of PLC Based Sorting Setup With Conveyor And Industrial Manipulator	18%		OK
83	365	Biometric Attendance Monitoring Using Excel Spreadsheet	20%		OK

84	366	Iot Based Advanced Two Layered Security System	24%		OK
85	370	Development Of A Cloud-Based Real Time Sugar Warehousing Factor Analysis Platform	17%		OK
86	381	Iot Based Bus Tracking System	22%		OK
87	386	Automated Home Life Using Iot And Speech Recognition	23%		OK
88	388	Detection Of Fuel Consumption & Measuring Distance With Remaining Fuel	24%		OK
89	389	Detecting Malicious Nodes In Iot Networks Using Machine Learning And Artificial Neural Networks	31%	17%	OK
90	390	Malware Detection Using Efficientnet	22%		OK
91	398	Anomaly Detection On Drone Forensic Timeline With Sigma Rules	17%		OK
92	400	Carbon Monoxide Concentration Monitoring System For Automating Air Filters	44%	27%	OK
93	403	A Comprehensive Review Of Smart Neuro Diagnosis	55%		NOT OK
94	419	Multiband PIFA For Mobile Applications	39%	37%	NOT OK
95	431	Iot-Based Parent Health Monitoring Using Thingspeak	14%		OK
96	432	Iot Based Smart Attendance System	28%		OK
97	433	Home Automation Using Augmented Reality	23%		OK
98	436	Soil Fertility Detection And Crop Prediction Using Iot And Machine Learning	35%		NOT OK
99	438	Analytical Study Of PLC And Microcontroller Based Parking System	16%		OK
100	439	Automatic Insecticide Spraying Drone	28%		OK

101	440	Excessive Load Monitoring In Agriculture Sector Using Gsm	26%		OK
102	441	Water Purification By Using Solar Energy	20%		OK
103	442	Smart Green Corridor System For Emergency Vehicle	28%		OK
104	443	Iot Based Multifunctional Power Analyzer	13%		OK
105	445	Design And Development Of Rotating Fire Protection Robot Using Microcontroller	28%		OK
106	451	A Model Design Of Green Communication For Smart Grid Systems	15%		OK
107	452	Smart Hand Wash System To Overcome S.S.I Problems In Hospitals	11%		OK
108	462	Various Planning And Controlling Methods Of UGV, UAV And USV	15%		OK
109	463	A Review Paper On Techniques For Collection And Segregation Of Solid Waste	15%		OK
110	469	Monitoring Of Humidity, Temperature And Air Quality Using Arduino IDE And Iot Cloud Platform	37%		NOT OK
111	470	Automated Text Document Classification Using Predictive Network	64%		NOT OK
112	472	Design Of Smart Pet Food Dispenser Using Embedded System	22%		OK
113	474	Advanced Car Jack Controlled By RF Wireless Device	9%		OK
114	495	A Marker-Based AR System On Image Shadowing For Tourists	53%		NOT OK
115	500	Object Detection For Visually Impaired People Using Iot	26%		OK
116	502	Longitudinal Control For Closed Loop Simulation Of Autonomous Driving Vehicle	25%		OK
117	505	Design And Development Of A	24%		OK

		Generic Iot Gateway			
118	520	Industry 4.0: Analysing Readiness Of Indian Msme	44%	36%	NOT OK
119	533	Inventory Management System	38%		NOT OK
120	540	First Aid And Emergency Assistance Robot For Individuals At Home Using Iot And Deep Learning	16%		OK
121	542	Design Of 1 X 2 Dual-Band Quasi-Yagi Antenna	52%		NOT OK
122	543	Optimization Of A Consensus Protocol In Blockchain-Iot Convergence	20%		OK
123	547	AQI Monitoring And Predicting System	29%		OK
124	549	Detection Of Human In Flames Using Hog & Svm	36%		NOT OK
125	550	Automatic Vehicle Accident Detection And Reporting System	35%		NOT OK
126	555	An Effective Way To Identify Chronic Kidney Disease Using Machine Learning	26%		OK
127	559	Real-Time Electricity Bill Management System Using Iot	25%		OK
128	560	Fruit Defect Inspection System Using Image Processing And Iot Framework	28%		OK
129	561	A Survey : Monitoring And Detecting Cyber Bullying Activities Using Machine Learning Algorithms	40%		NOT OK
130	567	Patients' Health Analysis Using Machine Learning	17%		OK
131	568	A Review Of Technologies And Their Application In Driver Drowsiness Detection Systems	23%		OK
132	570	Iot Based Irrigation Regulatory System Using ANN	31%	29%	OK
133	574	Highly Accurate Protein Structure Classification And Prediction	35%		NOT OK
134	577	Design And Development Of	15%		OK

		Three Factor Authentication Based Smart Lock System			
135	589	A Model To Detect Sludge Level In Manhole	46%		NOT OK
136	590	Development Of Cell Free Hearing Aid Device	46%	20%	OK
137	592	Water Assessment Using Geospatial And Data Science Tools	15%		OK
138	595	Crop Recommendation Using Machine Learning Classification Techniques	58%		NOT OK
139	600	Security And Privacy Threats Of Iot Devices: A Short Review	22%		OK
140	603	Integrated Environmental Monitoring And Disease Detection Using Internet Of Things	29%		OK
141	604	Road Surface Quality Detection Using Gyro Sensor And Iot	39%		NOT OK
142	610	Deep Learning Technology For Retinal Disease Classification	34%	27%	OK
143	612	Mine Detecting Military Bot Using Iot	12%		OK
144	616	Smart Id Card: A Secured Id System	19%		OK
145	617	Wireless Domestic Energy Meter Design And Surveillance System With Hlw 8012	23%		OK
146	621	Iot-Based Smart Healthcare Solutions	67%		NOT OK
147	623	Implementation Of Battery Management System	57%		NOT OK
148	624	Commute Helper- Accident Detection System	0%		OK
149	630	Irrigation Using IOT Sensors	18%		OK
150	633	3D Modeling Of X-Ray Images Using Virtual Reality	55%		NOT OK
151	638	An Analysis Of Heterogeneous Device Middleware For Quality Metrics	29%		OK
152	641	Iot Based Health Monitoring	24%		NOT OK

		System Using ESP8266 Node MCU			
153	644	Review On Optimization Of Energy Efficiency In Wireless Communication	71%		NOT OK
154	646	Smart Agriculture System Using Iot	21%		OK
155	647	Anomaly Detection For Highly Imbalanced Data—An Empirical Analysis	26%		OK
156	654	IOT Based Temperature And Oxygen Level Monitoring And Data Visualization	19%		OK
157	665	IOT Based Spot Inspection Of Crop Damage Due To Atmospheric Hazards	31%	16%	OK
158	666	A Study Of Traditional And Innovative Irrigation Practices In Maharashtra	40%		NOT OK

Image and Signal Processing Track

1	5	Horizontal Max Pooling A Novel Approach For Noise Reduction In Max Pooling For Better Feature Detection In DNN	12%		OK
2	6	Review On The Artificial Neural Network (ANN) Approach To Improving The Efficiency Of Renewable Energy Sources – Solar (PV) Power Systems	87%		NOT OK
3	7	Analysis And Implementation Of The Artificial Neural Network (ANN) Approach For The Integration Of Solar And Wind Energy Sources Into Telecommunication Systems	74%		NOT OK
4	8	Stress & Emotion Recognition Using Sentiment Analysis With Brain	1%		OK
5	16	Touchfree Biometric Authentication System	5%		OK

6	27	A Comprehensive Review Of Image Colorization Methods	3%		OK
7	30	Prediction Of Face Emotion With Labelled Selective Transfer Machine As A Generalized Emotion Classifier	32%		NOT OK
8	39	Cloud Based Single Shot Detector Model For Speed Breaker Detection	24%		OK
9	40	Predicting Risky Environment For Child Inside House Using Deep Learning	4%		OK
10	45	Identification Of Tiger Pugmarks Using ML	14%		OK
11	51	Framework For Arrhythmia Identification Using Real Time ECG Signals	5%		OK
12	56	Lip Reading Speech Recognition Using Dynamic Visual Speech	25%		OK
13	57	Handwritten Digit Recognition Using Neural Network	36%		NOT OK
14	61	Vsoch – Virtual System Operated Courser With Hand Gesture	14%		OK
15	65	Hybrid Machine Learning Algorithm For Emotion Recognition	52%		NOT OK
16	66	Research Growth Analysis In The Area Of Computer Networks In India And The Asia Pacific Region	28%		OK
17	67	Face Detection And Recognition Using Digital Image Processing: "State Of The Art"	19%		OK
18	68	A Review Paper On Cloud Computing Using Emerging Technologies	60%	31%	NOT OK
19	74	A Review Paper On Cloud Computing With Security Threats	49%		NOT OK
20	75	Face Recognition And Its Application In Image Processing	27%		OK
21	82	Edge Revealing Of Weak Frames For Medical Image Analysis	75%		NOT OK

22	89	Framework For Human Emotion Detection And Analysis Using Biomedical Signals	49%		NOT OK
23	100	Health Insurance Cost Prediction Using Machine Learning Technique	9%		OK
24	102	Smart Cctv	23%		OK
25	109	Survey And Comparison Of Various Pre-Trained CNN Architectures And CNN-Transformer Combinations	33%		NOT OK
26	110	Real Time Face Recognition Based Attendance System Using Multi Task Cascaded Convolutional Neural Network	42%	23%	OK
27	112	A Real Time Obstacle Detector Using Cameraand Laser Line Generator	34%	50%	NOT OK
28	119	Online Exam Proctoring System	22%		OK
29	123	Intelligent Traffic Management System	33%	22%	OK
30	128	Survey On Monkeypox Detection Using Computer Vision	30%		OK
31	129	Detection Of Artificially Ripened Fruits Using Image Processing	27%		OK
32	136	Visual Novel Game Development Using Ren'py	19%		OK
33	139	Context Based Image Caption Generation Using Deep Learning CNN-LSTM Architecture	30%		OK
34	142	Proposed Design To Recognize Ancient Sanskrit Manuscripts With Translation Using Machine Learning	24%		OK
35	144	Student Grade Prediction Using The Past Data And Time Series Analysis	26%		OK
36	151	Detection Of Cataract And Its Level Based On Deep Learning Using Mobile Application	20%		OK
37	165	Parking Slot Allotment Using	30%		OK

		Opencv			
38	168	Gesture Recognition Based Virtual Mouse And Keyboard	19%		OK
39	170	An Application Of Voronoi Diagram Partitioning Scheme In The Area Of Multi Robot Exploration	16%		OK
40	178	Detecting Spammers On Social Media Using Machine Learning Methodologies	88%		NOT OK
41	182	Advanced Driver Assistant System(Adas)	12%		OK
42	183	A Survey On AI Based Devices For Visually Impaired People	23%		OK
43	184	Data Hiding Using Steganography	38%	24%	OK
44	185	Agrow-BAS-X Mobile Application	29%		OK
45	187	Automatic Video Traffic Surveillance System Under Different Light Conditions Using Hybrid Optimization-Based YOLOv3 Model	51%	36%	NOT OK
46	190	Detection Of Fruit Ripening Stage Using Image Processing	21%		OK
47	195	BMLDWCS: Design Of A Hybrid Bioinspired Model For Multilane Departure Warning & Control System To Reduce Accidents	24%		OK
48	198	Uml Based Dynamic Modeling Of Sign Language Detection Using YOLOv5 For Identifying Continents	19%		OK
49	201	Electro-Mechanical Device For Geometrical Tolerance Measurement Of Ring Gear Blank	21%		OK
50	203	Comparative Analysis Of Deep Learning Models For Deepfake Detection	35%		NOT OK
51	206	Detection Of Brain Tumor Using Machine Learning And Deep Learning Technologies	22%		OK
52	210	Recognition Of Emotions Based On Facial Expressions Using	19%		OK

		Bidirectional Long-Short-Term Memory And Machine Learning Techniques			
53	212	Road Lane Lines Identification System	50%		NOT OK
54	216	A SURVEY ON Analysis Of Drugs Using Machine Learning Algorithms	22%		OK
55	222	Speech Recognition Based Prediction Model For Mental Health And Depression: A Review	42%	32%	NOT OK
56	233	Maturity Level Classification Of Moringa Leaf Using Dnn Algorithm	50%		NOT OK
57	238	Indo-Pakistani Sign Language Interpreter Using VGG-16	64%		NOT OK
58	241	Improved Audio Filtration Using IIR Filter	22%		OK
59	242	Facial Recognition Attendance System Using Deep Learning	10%		OK
60	249	Integrated Machine Learning Approach For Non-Proliferative Diabetic Retinopathy	26%		OK
61	250	Object Detection Using Python	32%		NOT OK
62	254	Multiple Disease Prediction Using Machine Learning	50%		NOT OK
63	255	Weather-Based Lane Line Detection Using AI	23%		OK
64	262	Smart Traffic Signal Controlling System	24%		OK
65	265	Smart Home Surveillance System Using Artificial Intelligence	20%		OK
66	266	Accident Prevention:Driver's Drowsiness Detection System Using Ai Techniques	25%		OK
67	272	Emotion Detection Using Machine Learning In Python And Send Notification To User	19%		OK
68	275	Neural Style Transfer - Parameter Optimization Including Performance, Loss Function And Security.	18%		OK

69	276	Plant Monitoring System By Using YOLOv5	19%		OK
70	282	An AI Solution For Crop Friendliness In Agriculture Using KNN Algorithm	24%		OK
71	286	Virtual Keyboard Using Artificial Intelligence	6%		OK
72	288	Analysis And Synthesis Of Image Dehazing Using Deep Learning Algorithm	38%		NOT OK
73	289	Cipher Type Detection Using Artificial Neural Network	39%	39%	NOT OK
74	298	A Survey On Digital Image Forensic Detection Using JPEG Compression	49%		NOT OK
75	302	The Detection Of Artificial And Naturally Ripened Bananas	12%		OK
76	304	Denoising Of SAR Images Using Wavelet Transforms And Wiener Filter	26%		OK
77	305	Smart Road Damage Detection And Warning	83%		NOT OK
78	310	Flower Classification Using Deep Learning	68%		NOT OK
79	314	Review Of Recent Deep Learning Methods For Classification And Detection Of Pests	41%		NOT OK
80	315	Review Of Features And Classification For Spoken Indian Language Recognition Using Machine Learning And Deep Learning Techniques	41%	13%	OK
81	323	Online Exam Proctoring System	37%		NOT OK
82	332	Contactless Heartbeat Measurement System Using Image Processing	82%		NOT OK
83	333	Identification Of Plant Disease Using CNN	14%		OK
84	337	Banking Security System Using Face And Liveness Detection Using Machine Learning And	31%	27%	OK

		Image Processing			
85	338	Exponential Chef Based Optimization In Training To Enabled Deep Learning For Real Time Polyp Segmentation	67%		NOT OK
86	339	A Comprehensive Review On Various Object Segmentation Methods In Complex Video Scene	46%		NOT OK
87	340	Forest Fire Detection Using Nine-Layer Deep Convolutional Neural Network	49%		NOT OK
88	345	Visual Speech Recognition Using Lips Movement	30%		OK
89	353	Deep Learning Based Car Damage Classifier	33%	32%	NOT OK
90	354	Critical Analysis For Impact Of Potato (Solanum Tuberosum) On Indian Overall Economy Using Analytic Hierarchy Process (AHP)	33%	25%	OK
91	356	Automatic And Reliable Pomegranate Leaf Detection Using Convolutional Neural Network	80%		NOT OK
92	358	Virtual Tour By Ar Guide	19%		OK
93	359	Marathi Speech Quality Assessment	31%		NOT OK
94	363	Interactive Zira Voice Assistant- A Personalized Desktop Application	23%		OK
95	372	Human Action Recognition	32%		NOT OK
96	373	"A Survey On Handwritten Character Recognition Using Deep Learning And Neural Network."	9%		OK
97	374	Identifying The Personality Traits Using Handwriting Recognition In A Real Time Environment.	50%		NOT OK
98	377	Code-Comment Relationship Prediction	42%		NOT OK
99	382	Survey On An Emotion Recognition Using Audio Input	13%		OK
100	383	Handwritten Script Detection And	14%		OK

		Translation			
101	384	Real Time Cctv Violence Detection System Using Deep Learning	30%		OK
102	385	Study Of 3D Reconstruction From 2D Image	54%		NOT OK
103	387	Automated Deep Learning Based Fusion Model For Copy-Move And Image Splicing Forgery Detection	31%		OK
104	393	Affective Gaming: Real-Time Emotion Based Model For Game	58%		NOT OK
105	394	Local Information And Kernel Metric Fuzzy C-Means Segmentation And Hybrid CNN-LSTM Network Architecture For Skin Cancer Classification	26%		OK
106	399	Road Accident Prediction Model Using Machine Learning	76%		NOT OK
107	401	Detection Of Diabetic Retinopathy Using Deep Learning	23%		OK
108	402	Predicting Early Stages Of Breast Cancer With Machine Learning And Deep Learning Approaches	34%		NOT OK
109	404	Brain Neoplasm Detection Using Convolutional Neural Networks	32%	30%	NOT OK
110	406	Implementation Of Smartphone Based Activity Recognition	23%		OK
111	407	Follicle Detection Of Polycystic Ovarian Syndrome (Pcos) Using Yolo	22%		OK
112	409	Use Of PPG Signals For CVD Classification Using Deep Learning: A Review	41%		OK
113	412	Realtime Skin-Disease-Detection And Prevention Using An Image Processing: Survey	17%		OK
114	414	Survey On Healing Herbs Detection Using Machine Learning	18%		OK
115	417	A Survey On Plant Leaf Disease Detection	30%		OK

116	421	Message Transfer Using Steganography	22%		OK
117	424	Image Fusion Using Xilinx System Generator For MRI And CT Medical Image Modalities	44%	22%	OK
118	426	Advanced Driver Assistant System (Adas)	17%		OK
119	428	Digital Image Inpainting Using Kriging Interpolation For Removal Of Damaged Portions Of Old Photographs	34%		NOT OK
120	429	Pain Detection Using Machine Learning Techniques	19%		OK
121	430	An Enhanced Student Attendance Monitoring System At Low Resolution And Various Angled Face Positions Based On LBPH And CLAHE	8%		OK
122	434	Automatic Brain Tissue Detection Of Acute Ischemic Stroke Patients: A Review	81%		NOT OK
123	435	Genetic Algorithm For Convolutional Neural Network Hyperparameter Tuning	32%	28%	OK
124	444	A Detailed Literature Survey And In-Depth Analysis Of Existing Methods For The Detection Of Lung Cancer	9%		OK
125	450	Image De-Noising With Hexagonal Structures Using Adaptive Recursive Filter	22%		OK
126	458	Identification Of Plant Nutrient Deficiencies And Recommendation Of Pesticides Using Convolutional Neural Networks	13%		OK
127	466	Face Recognition Attendance System Using Open Cv	12%		OK
128	471	Automated Virtual Attendance Using Image Recognition Techniques	26%		OK
129	475	Harmonic Analysis Of Mild Steel	19%		OK

		Plate			
130	477	Bird Repelling System Using Cnn	35%		NOT OK
131	478	Survey Paper On Emotion Detection Using Speech And Text Recognition	26%		OK
132	479	Helmet, Number Plate Detection And Stolen Vehicle Recognition Using Machine Learning	81%		NOT OK
133	482	Integration Of Digital Down Conversion (DDC) Technique By FPGA In Radar Receiver	35%		NOT OK
134	486	Lung Carcinoma Detection Using Deep Learning	44%	29%	OK
135	490	Early-Stage Diagnosis Methods Of Dementia: A Literature Review	29%		OK
136	492	Compact UWB Patch Antenna For Partial Discharge Detection Using Dual Rampart Line Structure, Slots And DGS	39%	39%	NOT OK
137	501	Military Object Detection In Satellite Imagery Using Artificial Intelligence	34%		NOT OK
138	518	Lung Cancer Detection Using Deep Learning	69%		NOT OK
139	519	Automatic Brain Tissue Detection Of Acute Ischemic Stroke Patients: A Review	47%		NOT OK
140	536	Video Based Human Abnormal Activity Detection With Convolutional Neural Network And LSTM	49%	43%	NOT OK
141	537	Exhibition Of Various Head Accessories Using AR Technology	34%		NOT OK
142	538	Traffic Rules Violation Detection System	70%		NOT OK
143	541	Knowledge Blended Open Domain Visual Question Answering Using Transformation	28%		OK
144	546	Applicable Techniques For Image Steganography: A Survey	29%		OK
145	551	Machine Learning Framework For Breast Cancer Detection	27%		OK

146	552	Video Summarization In Wireless Capsule Endoscopy: A Review	22%		OK
147	553	Detection Of Real Time Anomalous Activites Using Yolov7	17%		OK
148	554	Prognosticate Dunes On The Surface Of Mars Using Convolutional Neural Network	24%		OK
149	556	Human Activity Recognition And Prediction: Overview And Research Gaps	39%	35%	NOT OK
150	563	Tagging Of Quarks To Particle Shower Imagery Vis-A-Vis ` Intelligent Learning	29%		OK
151	565	Detection Analysis Of Abnormality In Kidney Using Deep Learning Techniques And Its Optimization	15%		OK
152	566	Spectrum Reallocation Algorithm In Cognitive Radio Networks Based On Secondary User Mobility Model	28%		OK
153	579	Handwritten Text Extraction From Application Forms Using Image Processing And Deep Learning	24%		OK
154	586	A Review Of Road Extraction From Satellite Images Using Various Approaches	25%		OK
155	598	A Review On Face Emotion Recognition Using Novel Techniques	28%		OK
156	602	Application Of SAR Images In Iceberg Classification By Using Convnet-2	15%		OK
157	608	Real-Time Driver Drowsiness Detection Sytem	15%		OK
158	613	A Comprehensive Review On Image Generation From Text Using Neural Network Techniques	66%		NOT OK
159	619	A Review On Face Recognition In	16%		OK

		Video Images			
160	622	Single-Ended Data Based Fault Classification In Transmission Line Using Discrete Wavelet Transform	40%		NOT OK
161	627	Gradient Directional Predictor And Histogram Bin Shifting For Reversible Data Hiding	41%	27%	OK
162	635	Automatic Attendance System Using A Group Image	17%		OK
163	642	A Marker-Based AR System On Image Shadowing For Tourists	26%		OK
164	645	Classification Of PDR & NPDR Through Four Views Of Retinal Images	48%		NOT OK
165	651	EEG And ECG Signals Based Depression Analysis	33%	22%	OK
166	653	Review On Channel Estimation In Massive MIMO	42%		NOT OK
167	659	Recent Survey On Secret Sharing Scheme For Text And Image	40%	29%	OK
168	667	Rapid Detection Of Pilgrims Whereabouts During Hajj And Umrah By Wireless Communication Framework : An Application AI And Deep Learning	10%		OK
169	668	PCF-SPR Based Refractive Index Sensor For Detection Of Air Pollution	16%		OK

Special Session report

1	MG_1	A Novel Adaptive Unclonable Utility Model for Secure Communication in Internet of Things Environment	17%		ok
2	MG_2	Discrimination and Investigation of Cardiac Infarction gleaned from Various Machine Learning and Optimization Methods	18%		ok
3	MG_3	Pattern Storage & Recalling Using Hopfield Neural Network and	20%		ok

		HOG Feature Based SVM Classifier: An Experiment with Handwritten Odia Numerals			
4	MG_4	A Review Of Machine Learning for Prediction of Heart Disease	21%		ok
5	MG_6	Deep Learning Based Face Mask Detection Model For COVID-19 Prevention	17%		ok
6	MG_7	A Detailed Investigation and Analysis of Using Machine Learning Techniques for Thyroid Diagnosis	24%		ok
7	SB_1	A survey of approaches supported by blockchain technology for the healthcare system, including unresolved problems and challenges	28%		ok
8	SB_3	Big Data Analytics Cloud Based Smart IoT Healthcare Network	24%		ok
9	SB_4	Deep Learning Based Hybrid Model For Severity Prediction of Leaf Smut Rice Infection	22%		ok
10	SB_5	A Survey of Text Summarization on Bengali Language	23%		ok
11	SB_6	3D Models Reconstruction from UAV Aerial Images	19%		ok
12	SB_8	Deep Learning: How to apply machine learning and deep learning methods to audio analysis	18%		ok
13	SB_9	Stock Price Prediction By Applying Machine Learning Techniques	29%		ok
14	SB_10	Optimal FIR Filter Design using Invasive Weed Optimization with Horizontal Crossover Operator	30%		ok
15	SB_11	URL based Phishing Mitigation Techniques	35%		
16	SB_12	An Organized Method for Heart Failure Classification	28%		ok
17	SB_13	Paddy Blight Disease Severity	26%		ok

		Prediction Using Fusion Model of Deep Learning Techniques			
18	SB_14	Classification Techniques for Disease Detection in Plants: A Systematic Review	24%		ok
19	SB_15	Performance Evaluation of Load Balancer in Storage Level Service Offering Applications	28%		ok
20	KB_1	Multimedia Security using Blockchain and IoT-Based Distributed System	27%		ok
21	KB_2	Automated Deep Learning Based Fusion Model for Copy-Move and Image Splicing Forgery Detection	28%		ok
22	KB_4	Blockchain-IoT based device authentication protocol for Healthcare Multimedia	13%		ok
23	KB_6	Deep Learning based Pothole Detection	29%		ok
24	RT_01	State-of-Art Review on Automated Brain Tumor Detection	-4%		ok
25	RT_02	Automation in Fog-Cloud assisted Internet of Things Ecosystem: Challenges, Components and Protocols	23		ok
26	RT_03	Bibliometric Analysis on Security of Different Layers in Internet of Things (IoT) Environment	26		ok
27	RT_04	Analysis of Node security optimization in WSN	12%		ok
28	RT_05	Routing Protocols for Underwater Wireless sensor networks	15%		ok
29	RT_06	TON-IoT: Detection of Attacks on IoT Devices in Vehicular Networks	25%		ok
30	RT_07	BoT-IoT: Detection of DDoS Attacks in Internet of Things for Smart Cities.0.021021	17%		ok

31	RT_09	A Review on Drawbacks of Blockchain and NFT	12%		ok
32	RT_11	Blockchain for Education 4.0: A Review	14 %		ok
33	RT_12	Radio Station for College Campus	25		ok
34	RT_13	A Compact Asymmetric Coplanar Strip (ACS) Antenna for WLAN and Wi-Fi Applications	26%		ok
35	RT_15	A novel approach for extended network coverage in cell-free IoT	14%		ok
36	RT_17	A Novel Polynomial based Symmetric Key Cryptography using Polynomial Interpolation Methods	30%		ok
37	RT_18	Learning Aided Intelligent Mechanism for Channel Estimation in 5G Wireless Networks	28%		ok
38	DN_01	A Survey on Diabetes Detection Based on Machine Learning Classifiers	22%		ok
39	DN_02	Image Processing Techniques for Human Computer Interaction using Eye-Blink feature	26%		ok
40	DN_05	Enhancement in Cloud Performance using the Clustering Method of Scientific Workflow Tasks	43%		Not ok
41	DN_06	Blockchain technology: An overview with notable	25%		ok
42	DN_07	Detecting Severity of Lumpy Disease Using Deep Learning Approach	29%		ok
43	DN_10	Design And Implementation Of Crime Prediction Using Machine Learning Algorithm	21%		ok
44	RA_1	A Scalable Platform to Collect, Store, Visualize and Analyze Big Data in Real-Time	15%		ok
45	RA_2	Development of a Blockchain-	25%		ok

		based Platform to Simplify the Sharing of Patient Data			
46	RA_8	Level Crossing Using IoT	30%		ok
47	RA_9	Reviewing the role of IT in evaluating the Energy Efficiency of a Building Envelope: A Bibliometric Analysis	12%		ok
48	VS_01	A Hybrid Approach to ABSA using co-ranking multi-modal natural language processing	25%		ok
49	VS_03	A Solution to finding Fruit Freshness Index using Computer Vision	19%		ok
50	VS_04	English Grammar and Spell Corrector using Deep	17%		ok
51	VS_05	Self Aware Cognitive Fog Layer towards Scalable	26%		ok
52	VS_07	AINIK: An Ai Based Android App Using ML For Volunteering	51%		Not ok
53	VS_08	Lung Disease Detection and Classification of	23%		ok
54	VS_09	Predicting The Stock Market Trend Using Factor Analysis	18%		ok
55	VS_11	Boosted Convolutional Neural Network with Principal Component Analysis for Satellite Image Classification	42%		Not ok
56	IS_04	Systematic Literature Review of Educational Data Mining and Learning Analytics Techniques Used For Predictive Modeling in Higher Education System	33%		Not ok
57	IS_07	Improving Heart Disease Prediction Capability of Classifiers with Data Transformation, PCA and Relief Feature Selection Technique	26%		ok
58	IS_08	Comparative Approach for early Diabetes detection with Machine Learning	27%		ok
59	IS_10	Exploring Methods for Dealing	19%		ok

		with Class Imbalances in Supervised Machine Learning Structured Datasets			
60	PA_16	Automatic and Reliable Pomegranate Leaf Detection Using Convolutional Neural Network	21%		ok
61	PA_19	Hazardous Asteroid Prediction using Majority Voting Technique	33%		
62	PA_20	Performance Analysis of Small-Scale Micro Grid for Smart Grid Applications	21%		ok
63	PA_21	Design and Development of Cost Effective Fingerprint based Exam hall Corroborate System	41%		Not ok
64	PA_26	Design and Implementation of Digital Combinational Circuits using QCA Gates Model	4%		ok
65	PA_27	Blockchain Security Implementation using Python with NB-IoT deployment in Food Supply Chain	29%		ok
66	PA_28	NavIC Pseudorange Bias Estimation and Analysis Using Double Difference Method with Different Baseline Lengths	30%		ok
67	PA_29	Design and Implementation of Crosstalk Noise Avoidance by using Advanced Test Adapted Shielding for high speed vlsi circuits	19%		ok
68	PA_30	Real-Time Signal Observations Acquired by Multi-Frequency Multi-GNSS Septentrio PolaRx5 Receiver.	22%		ok
69	PA_32	An effective grid-connected hybrid solar/wind energy conversion	53%		Not ok
70	PA_33	The THD analysis of inverter fed induction motor drive using NFT1 &	24%		ok

		NFT2 controller			
71	SP_01	Doc-Handler: Document Scanner, Manipulator, and Translator based on Image and Natural language processing	16%		ok
72	SP_03	An Efficient Base Station Sleeping Configuration for Ultra-dense Networks	24%		ok
73	SP_04	Alphabet Recognition using Air written Trajectories	19%		ok
74	SP_05	A Review on Rate Splitting Multiple Access: Challenges and Future Directions	29%		ok
75	SP_06	An approach to identify and classify agricultural crop diseases using machine learning and deep learning techniques	27%		ok
76	SP_07	Installation & Commissioning of SDH STM-1CPE And Data Communication over WAN	5%		ok
77	SP_08	Predictive Insight of Global Warming-A Sustainable Control System	27%		ok
78	SP_09	Electromyography Based Classification Models for Prediction of Temporomandibular Joint Disorder	19%		ok
79	SP10	Semantic Segmentation of Satellite Image for Land Use Land Cover Identification using Deep Learning	31%		ok
80	SP11	A Machine Learning Approach to Statistical Analysis and Prediction of Rainfall and Drought in the Marathwada Subregion	13%		ok
81	SP12	Exploratory Data Analysis and Classification of Employee Retention based on Logistic Regression Model	26%		ok
82	SP13	E-Commerce Product Review	27%		ok

		Classification based on Supervised Machine Learning Techniques			
83	OD_01	Enhancement for IoT recommendations using A novel Machine Learning Algorithm	27%		ok
84	OD_02	Time series prediction of the COVID-19 outbreak in India using LSTM based deep learning models	30%		ok
85	OD_03	An Extensive Survey on various techniques of Sign Language Recognition	23%		ok
86	OD_04	Analysis For Stock Market Investment Decision Using ML Models	9%		ok
87	SH_1	the way to make blind people use the email system: Voice baed email generating system using Artificial Intellegence	15%		ok
88	SH_2	Smart security system using Hybrid System with IoT and Blockchain: A security system Human sased Detection	22%		ok
89	SH_3	Joystick Controlled Autonomous Robotic Arm using Inverse Kinematics with Object Detection	23%		ok
90	SH_6	Applying Hand Gesture Recognition for Learning Sign Words Using Mediapipe by Extracting Keypoints and Distance Based Features	26%		ok
91	SH_7	Using Deep and Machine Learning Techniques to Spot Credit Card Fraud	17%		ok

92	SH_8	Determining Intrusion Attacks Against Online Applications Using Cloud - Based Data Security	13%		ok
93	SH_9	Protection of Hazardous Places in Industries using Machine Learning	30%		ok
94	SH_10	Weibull Recurrent Certificateless Signcryption for Secured Data Access and Sharing in Cloud	23%		ok
95	SH_11	Identifying The Features of the Various Cyber Dataset for Ensuring Cyber Security using Hybrid Optimization Techniques and Machine Learning	19%		ok
96	SH_13	Evaluating the Effectiveness of Machine Learning, Deep Learning, and Evolutionary Algorithms in Intrusion Detection Systems	25%		ok
97	SH_17	Stock Price Prediction using Hybrid Deep Learning Model	26%		ok
98	SH_18	Revolutionizing Healthcare through IoT and Edge Computing: A Evaluation of Optimization Techniques	20%		ok
99	SH_19	An Analytical Review on Classification of IoT Traffic and Channel Allocation Using Machine Learning Technique	22%		ok
100	SH_21	A Novel Based Block Chain Integrated Voting System with Advanced Optimization	16%		ok
101	SH_22	A Deep learning Technique for smart gender classification system	22%		ok
102	SH_23	Improved and Accurate face Mask Detection Using Machine Learning in the Crowded Places	14%		ok
103	SH_24	The Novel E-Way of Identifying	27%		ok


		the Face Mask and To Ware the System in the Crowd Management System			
104	SH_25	Role of AI Algorithm Approaches for the Use of Weather Forecasting	23%		ok
105	SH_26	Blockchain-Internet of things- Machine Learning: Development of Traceable System for Multi Purposes	25%		ok
106	SH_27	Block chain Based Temperature and Interactive Control Strategy Implementations for Industry Applications	24%		ok
107	SH_30	Fpga: A New Design towards Smart Living	18%		ok
108	SH_31	The Smart Handwritten Digits Recognition Using Machine Learning Algorithm	29%		ok
109	SH_32	The Integrated Healthcare Prediction System Using Artificial Intelligence and Machine Learning	23%		ok
110	SH_33	Internet of Things and Machine Learning Based Intelligent Irrigation System for Agriculture	25%		ok
111	SH_34	Application of Blockchain and Internet of Things (IoT) for Ensuring Privacy and Reliability of Well Being Records in Medical Services	23%		ok
112	SH_36	Blockchain Based Secure Key Agreement Mechanism in Vehicle Adhoc Network	19%		ok
113	SH_37	A Deep Transfer Learning-Based Approach to Detect Skin Disease	13%		ok
114	SH_39	Development of Weight System Embedded with Tracking System using Arduinio UNO REV3	22%		ok
115	SH_40	Mortality Rate Meta-Analysis on the Past Medical History of Covid 19 Affected Patients using	24%		ok

		Priority Based ML Techniques in IOMT Platform			
116	SH_41	Hybrid Binary Grey Wolf with Jaya Optimizer for Biomarker Selection from Cancer Datasets	28%		ok
117	RK_2	Usage of Leach Protocol model for Dynamic Cluster Construction in Wireless Sensor Networks	<u>28%</u>		ok
118	RK_3	Fast and accurate multi-classification of kiwi fruit disease in leaves using deep learning approach	<u>16%</u>		ok
119	RK_4	High Performance EDA and LDA Analysis: An Application for Wheat Yield Estimation	<u>23%</u>		ok
120	RK_05	A Novel Approach To Auto Dipping System Of Vehicles Based On LiDAR	16%		ok
121	RK_07	Enhancement in Biomedical Implants properties with Artificial Intelligence	19%		ok
122	RK_08	Relationship between Functional capacity and Health Related Quality of Life among Cardiac Patients	36%		ok
123	RK_09	A Comprehensive Review of Theory and Designing of 28GHz 5th Generation MIMO Antenna	24%		ok
124	RK_10	A Comparative Review on Theory and Designing of 28/38GHz 5G MIMO and Array Antenna	23%		ok
125	RK_11	Data-Driven Computer-Aided Diagnostic Method For Polycystic Ovary Syndrome Using Machine Learning Techniques	26%		ok
126	RK_13	Energy Optimization Algorithms Study On Routing Protocol In Wireless Sensor Network	23%		ok
127	RK_15	Meta-heuristic Artificial Humming Bird Algorithm Based	24%		ok

		Energy Efficient Cluster Head Selection (MAHA-EECHS) in Wireless Sensor Networks			
128	RK_16	Design of a Catenary Shaped Multiband-MIMO Antenna for Ultra-Wideband Applications	39%		Not ok
129	RK_17	An Offset-Fed T-Shaped Two-Port MIMO Antenna for 38 GHz 5G Millimeter-Wave band Applications	33%		Not ok
130	RK_18	Effective Tools and Technologies for Remote Patient Monitoring: A Comparative Study	22%		ok
131	RK_21	Exploratory Data Analysis and Customer Churn Prediction for the Telecommunication Industry	13%		ok
132	RK_22	Solving the capacitated Vehicle Routing Problem (CVRP) using Clustering and Meta heuristic algorithm	26%		ok
133	RK_23	MTSF of a Two-Unit Cold Standby System with Varying Season	31%		Notok
134	RK_25	Computing Knowledge and Attitude Scores on Impact of Community Based Educational Package developed for Rural Post- Menopausal Women	22%		ok
135	RK_26	Solving the capacitated Vehicle Routing Problem (CVRP) using Clustering and Meta heuristic algorithm	26%		ok
136	RK_27	Stochastic Analysis of a Two-Unit Cold Redundant System with Activation Time and Varying Season	46%		not ok
137	RK_28	IoT-Based Hybrid Fitness Monitoring Device	23%		ok

Annexure-III

Grant of Rs-1,50,000/- has been received from Science and Engineering Research Board for ESCI-23.




Principal AISSMS IOIT <principal@aissmsioit.org>

SERB-Notification
2 messages

SERB_Administrator@serbonline.in <SERB_Administrator@serbonline.in>
To: serbinfo1@gmail.com

Tue, Jan 31, 2023 at 10:33 AM



Science and Engineering Research Board
(Statutory Body Established Through an Act of Parliament : SERB Act 2008)
Department of Science and Technology, Government of India

SCIENCE & ENGINEERING RESEARCH BOARD (SERB)
(Statutory Body Established Through an Act of Parliament : SERB Act 2008)

Science and Engineering Research Board
3rd & 4th Floor, Block II
Technology Bhavan, New Mehrauli Road
New Delhi - 110016

A.I.S.S.M.S.'S.
INSTITUTE OF INFORMATION TECHNOLOGY
PUNE

Inward No. 3224
Date 31/1/23

Assistance to Professional Bodies and Seminar Symposia

File Number: SSY/2022/001209

Dated: 31-Jan-2023

Subject: Application titled "5th International Conference on Emerging Smart Computing & Informatics 2023"

Dear Dr. Pradeep Bajrang Mane,

It is to inform you that your proposal seeking for financial assistance under "Assistance to Professional Bodies & Seminar / Symposia Scheme" has been considered and recommended for the same. We are now agreed to provide Rs 150000/- to meet the expenses related to TA/DA to Young and Senior Indian Scientists and Pre-Conference printing as partial grant-in-aid to the recommended application.

The grant is only for "5th International Conference on Emerging Smart Computing & Informatics 2023"
Dated: 01-Mar-2023 to 03-Mar-2023

Kindly submit the required document/ RTGS within 15 days of the receipt of this letter in order to enable us to process the file for the release of funds. In case, we do not receive the requested document within the provided time, it would be presumed that you are not interested in this offer and it would be stand withdrawn automatically. No further correspondence will be entertained thereafter.

You are requested to submit affidavit (Bond) on Rs. 100/- non-judicial stamp paper, in original (by speed / registered post), scan copy through online is also required to submit (format link=https://serbonline.in/SERB/AbstractFilePath?FileType=E&FileName=BND_SSY.pdf&PathKey=DOCUMENT_TEMPLATE).

Kindly note that, no separate communication by post would be sent to you in this regard and without prior approval from SERB, convener cannot change the event date, it may not be acceptable.

With kind regards,

(Dr. Sukumar Dey)

Scientist C

Ph:

Email: seminar.symposia@serb.gov.in

Dr. Pradeep Bajrang Mane

Electronics And Telecommunication

**All India Shri Shivaji Memorial Society's Institute Of Information Technology , Kennedy Road, Near R.t.o.,
Pune, Pune, Maharashtra-411001**

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Department of Science and Technology, Government of India

SCIENCE & ENGINEERING RESEARCH BOARD (SERB)

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Science and Engineering Research Board
3rd & 4th Floor, Block II
Technology Bhavan, New Mehrauli Road
New Delhi - 110016

File Number: SSY/2022/001209

Dated: 31-Jan-2023

Annexure-IV

List of Reviewer

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Dr. Sheetal Dongre	Dr. G. Gange
Subhash Rathod	Sanjay Agrawal
Dr. S.A. Koti	Dr. Sagar Tambe
Dr. Disha Sushant Wankhede	

Annexure-V

ESCI Brochure

The brochure cover features a background image of a person's hands typing on a laptop keyboard, overlaid with various digital graphics including bar charts, pie charts, and hexagonal icons representing different data points. The design is accented with blue and yellow geometric shapes.

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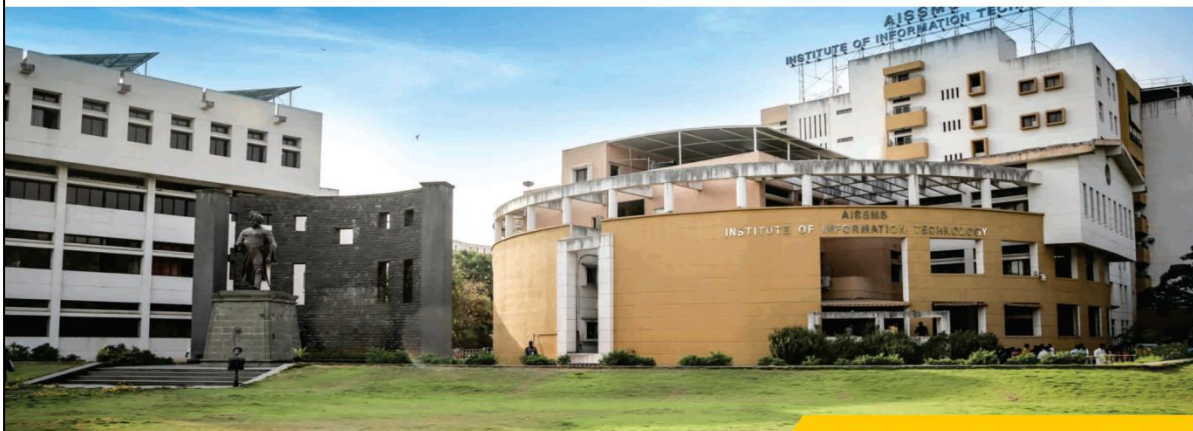


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About Institute

All India Shri Shivaji Memorial Society was founded by Late Chhatrapati Shri Shahu Maharaj in 1917. The society is dedicated to the noble cause of military, general, technical, and management education in India. Twenty Institutions are under the ambit of the society. Society management is very pragmatic and progressive. The All India Shri Shivaji Memorial Society's Institute of Information Technology, established in 1999, is a self-financing Autonomous Institution 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) and 5 UG programs have been accredited by National Board of Accreditation (NBA). The institute has received 2(f) and 12(B) recognition from UGC and Permanent Affiliation from Savitribai Phule Pune University for Computer Engineering, Electrical Engineering and Instrumentation Engineering.

Situated in the heart of the city and just a kilometer away from Pune central railway station, The institute has a well-qualified and dedicated staff with good infrastructure facilities for UG and PG courses in the form of well-equipped laboratories in all the branches. The Institute also has a Research center for Electronics and Telecommunication Engineering. The institution has been awarded by ISTE as National level Best Private Engineering College for 2015. It has also received the "Engineering Education Excellence Award 2015" from the Indo Global Chamber of Commerce Industries and Agriculture. The institute is recognized by AICTE for "Best practices in Education" in 2018.

The institute ranked 9th among the placements category in the top private engineering institutes, ranked 21st among the research capability category in the top engineering Institutes, ranked 83rd among top private engineering institutes, and ranked 91st among top engineering institutes in a Survey conducted by Times of India in 2022. Ranked 180 by "India Today" and 85 by "Times Engineering Survey" in 2019. The institute is ranked 79 by "Outlook", 93 (Private), and 104 (Overall) by "Times Engineering Survey" in the year 2020. The institute is ranked 188 by "India Today" and 19 (West), and 103 (overall) by "Week Magazines" in 2020.

About the Conference

The IEEE International Conference on Emerging Smart Computing and Informatics (ESCI-2023) 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 will be carried in Hybrid mode.

PUNE CITY

About Pune, India

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

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

Call for Paper

The International 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 forwarded for the inclusion in IEEE Xplore digital library (Scopus-indexed). The Conference also invites special topics, tools and applications in multi-disciplinary areas with workshops, tutorial sessions by expert academicians and professionals.

Highlights: The conference invites the researchers, industrialist and undergraduates 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

Track1: Smart Computing

Chair: Dr. S. N. Zaware & Dr. K. S. Wagh

- Artificial Intelligence and Machine Learning
- Deep Mining
- Data Mining and Text mining
- Big Data Analytics
- Cloud Computing
- Mobile Computing

- Natural Language Processing and Machine Translation
- Parallel and Distributed Algorithms
- Pattern Recognition and Analysis
- Modeling Systems and Software Engineering
- Ubiquitous and High-Performance Computing.
- Smart Innovative Systems and Technologies
- Social Network Analysis

Track2: Internet of Things

Chair: Dr. A. A. Shinde & Dr. V. V. Kale

- Artificial Intelligence for IoT
- Security and Privacy for IoT
- Industry X, Industry 4.0
- Smart Sensors
- Emerging Communication Technology
- AI and Big Data

- Digital Communication Technologies
- Advanced Analytics
- Machine Learning
- Augmented and Virtual Realities (AR/VR)
- Intelligent and Autonomous Systems
- Advanced Embedded System
- Industrial IOT, Medical IOT

Track 3: Image and signal processing

Chair: Dr. M. P. Sardey & Dr. D. K. Shedde

- Image and Video Processing, analysis and Compression
- Digital and statistical signal processing, Object Recognition
- Speech Processing, Music Information Retrieval and Computer Audition

- Medical Imaging, Super Resolution
- Computer Vision
- Content based Image Retrieval, Artificial Neural Network

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Important Dates

Early Bird Submission: **31st December 2022** (Discount INR 500 on registration fees)

Final Submission for Regular / SS paper submission: **Till 15th January 2023**

Notification of Acceptance: **31st January 2023**

Camera ready Paper: **15th February 2023**

IEEE Conference Link:

https://conferences.ieee.org/conferences_events/conferences/conferencedetails/56872

Paper submission link:

<https://cmt3.research.microsoft.com/ESCI2023>

Registration Fees : Till 15th January 2023

Category	Indian	Foreign
IEEE Member	INR 5000/-	\$100
Non IEEE Member	INR 5500/-	\$150
IEEE Student Member	INR 4000/-	\$100
Non IEEE Student Member	INR 4500/-	\$150
Participants (Non Presenter)	INR 1000/-	\$50

Contact Person

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Team ESCI-23

"The best teamwork comes from men/women who are working independently toward one goal in unison." – James Cash Penney

