5/3/2021

3rd IEEE International Conference on Emerging Smart Computing and Informatics.

ESCI-2021

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

3rd IEEE International Conference On Emerging Smart Computing and Informatics (ESCI-2021)

Virtual Conference

5th – 7th March, 2021

Sponsored by

Organized By

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

AISSMS
INSTITUTE OF INFORMATION TECHNOLOGY
Affiliated to Savitribai Phule Pune University, Approved by AICTE,
New Delhi and Recognised by Govt. of Maharashtra
(ID No. PU/PN/ENGG/124/1998)
Accredited by NAAC with 'A' Grade

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ESCI-21 Highlights

Paper Summmery	
Total Papers received-	708
Selected papers-	154 (Acceptance ratio-28%)
Papers from abroad-	16- Turkey, Hong Kong, Egypt, Indonesia, Oman, South Africa, Vietnam, USA, UAE, Ethiopia, Iraq, Bangladesh, Sri Lanka.
Papers Outside Maharashtra-	60
Papers out of Pune region -	41
Pune region-	37
Papers from IITs & NITs-	05
Intel, persistence, ISRO, and CSIR-	04
Papers registered through special sessions	39
ESCI-21 attendees from abroad	318
Session Summmery	
No. of paper presentation sessions	25
Keynote sessions	6
Tutorial sessions	4
No of participants for sessions	1025

Best Papers

Sr.No	Session number	Track	Paper ID	Best Paper Title	Name of Presenter
1	1	Smart Computing	353	Unsupervised Sentiment Classification Of Twitter Data Using Emoticons	Savitha Hiremath
2	2	Smart Computing	488	Communication Device for the Visual and Hearing-Impaired Persons to convert Braille characters to English	Sruthi Ramachandran
3	3	Image and Signal Processing	360	COVID-19 Monitoring System using Social Distancing and Face Mask Detection on Surveillance videos	Ruchita R Biradar , Rujula Singh R, Sahana Srinivasan
4	4	IoT And Automation	352	Hardware-Software co-implementation of a high performance and light- Montgomery based modified RSA for portable IoT devices	Mr Somnath Mondal
5	5	Smart Computing	303	Improving Traditional Stock Market Prediction Algorithms Using Covid-19 Analysis	Sanskriti Singhal, Rajni Jindal, Nikhil Bansal and Nitin Chawla
6	6	Smart Computing	263	PUBG Winner Ranking Prediction using R Interface 'h2o' Scalable Machine Learning Platform.	Yash Indulkar
7	7	Smart Computing	396	An efficient and secured data sharing approach through image transmission	Gagan Deep Singh
8	8	Image & Signal Processing	394	Modified ZM-SPECK: -A low complexity and low memory wavelet image coder for VS/IoT nodes	Yusra Meraj
9	9	Image and Signal Processing	184	Multi-Digit Recognition using Image Processing and Neural Network	Anway Shirgaonkar
10	10	IoT And Automation	346	Comparison of feeding techniques for EMCP array antenna	Shilpa Nandedkar
11	11	Smart Computing	491	An Efficient Resource Management Scheme for Smart Grid Using GBO Algorithm	Amlan Mohanty
12	12	Image and Signal Processing	404	Rough Set Based Contour Approximation From Flickering Depth Images.	Soma Banerjee

13	13	Image and Signal Processing	157	Searching a Video Database using Natural Language Queries	Kritika Kapoor Shubha Manohar Shrutiya M
14	14	IoT And Automation	451	Data-Driven linear Quadratic control scheme for Three Phase Micro grid system optimized by genetic Algorithm.	Mr.Hassannul Karim
15	15	Smart Computing	90	An Effective Credit Scoring Model Implementation by Optimal Feature Selection Scheme.	Mr. Sudanshu Ranjan Lenka
16	16	Smart Computing	211	FOFO: Fused Oversampling Framework by addressing outliers	Arghasree Banerjee
17	17	Smart Computing	133	Analysis of User Learning Styles and Academic Emotions through Web Usage Mining	Shashidhar Nagaral
18	18	Smart Computing	493	Compact C-Slot Microstrip –Fed Planer Antenna for Wireless Devices	Dr. Jayashri Kulkarni
19	19	Image and Signal Processing	104	Unsupervised Page Area Detection Approach for the Unconstrained Chronic Handwritten Modi Document Images.	Manisha Deshmukh
20	20	Special Session 1	SAB 01	Design of Area Efficient Shift Register and Scan Flip-Flop based on QCA Technology.	Dr. D.Ajitha
21	21	Special Session-2	RK06	Recognition of Children Punjabi Speech using Tonal Non-Tonal Classifier	Taniya Hasija
22	22	Special Session-3	ST05	Detection of Epileptic Seizures using Convolutional Neural Network.	Dr. Surabhi Gupta
23	23	Special Session-4	PH 08	Hexagonal Shaped Micro-strip Patch Antenna Design using CST Microwave Studio	Dr. V. Prakasam
24	24	Special Session-5	TD04	Categorization of diabetic retinopathy and identification of characteristics to assist effective dia.	Jenell Mathias, Simran Gadkari, Merlin Payapilly
25	25	Special Session 6	EP14	Real Time Performance Analysis Of Temperature Process Using Continuous Stirred Tank Reactor	Bharathi Priya P

ESCI-21 REPORT
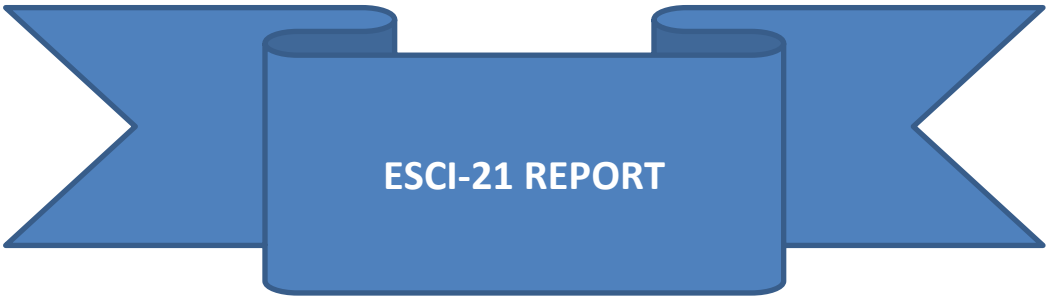
Our Heritage

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 status of Chhatrapati Shivaji Maharaj was executed by the famous Indian Sculptor, Shri Nansaheb Karmarkar and was unveiled by his excellency Sir Leslie Wilson, Governor of Bombay on 16th June, 1928.

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

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

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

About Institute

About Institute

The All India Shri Shivaji Memorial Society's Institute of Information Technology was established in 1999, is a self-financing Institution and is affiliated to the S. P. Pune University. It is approved by the AICTE, New Delhi and the Director of Technical Education, Government of Maharashtra. The institution is accredited by NAAC with 'A' grade.

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 3rd IEEE International Conference on Emerging Smart Computing and Informatics (ESCI-2021) 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: IoT and Automation**

Best Wishes Received for the
3rd IEEE International Conference on Emerging Smart Computing and Informatics (ESCI-2021)
From

Hon'ble Shri. Uday Samant
Minister of Higher and Technical Education
Cabinet Minister for Education
Government of Maharashtra, India

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. करमळकर

कुलगुरू

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/ 32

Date : 18|02|2021

Message from President

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

I am delighted that AISSMS Institute of Information Technology, Pune is organizing its 3rd IEEE International Conference on Emerging Smart Computing & Informatics (IEEE-ESCI 2021) from 5th to 7th March 2021 on a consistent basis.

The multidisciplinary applications of Smart Computing & Informatics will evolve the ESCI 2021 theme and promote the pursuit of inventive and promising research contributions. I am optimistic that it will spark creative minds to accomplish its mission of introducing researchers to futuristic smart computing & informatics applications.

I would like to take this opportunity to thank all the delegates for their enthusiastic engagement in this conference. The success of the conference depends primarily on your contribution to IEEE-ESCI 2021.

All the best for IEEE - ESCI 2021 and do carry a memorable experience with you.

Message from Hon. Secretary

Shri Malojiraje Chhatrapati
Hon. Secretary
All India Shri Shivaji Memorial Society, Pune

I am pleased to welcome all research scholars, academicians, students technology enthusiasts from academics and industry for 3rd IEEE International Conference on Emerging Smart Computing & Informatics (IEEE-ESCI) at AISSMS Institute of Information Technology, Pune during 5th – 7th March 2021. All AISSMS institutions provide quality education, and the organization of international conferences is one example of this.

I am optimistic that this conference will provide the worldwide group of scientists, scholars, researchers and industry experts with an excellent opportunity to come together and discuss their contributions to science and technology. In the exchange of views and ideas, joint projects on the international front are a fantastic initiative to promote and provide the best possible research interest in all fields of engineering and industry.

I congratulate and appreciate all the staff members of the AISSMS Institute of Information Technology, Pune for their commitment to organize IEEE-ESCI 2021 and their never-ending efforts to make the event a great success.

I hope that the meeting will be a great source of added value for all participants. My best wishes are for a successful, effective and productive conference.

Message from Chair

Mr. Girish Khilari
Chai
rIEEE 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 3rd IEEE International Conference on Emerging Smart Computing & Informatics (IEEE-ESCI) during 5th - 7th March 2021.

IEEE and IEEE Pune section is always devoted to advancing innovation and technological excellence for the benefit of humanity. Considering the Digital India Initiative started by Government of India, the use of technology is bound to increase in India. This conference will bring together experts in related fields to share their techniques and experiences and, even more important, to work out collaborative projects.

I congratulate all participants for their contribution and valuable research in the area of Smart Computing, Signal processing and Internet of Things. I hope that their research will help the mankind in every aspect of life. I am also confident that discussions among participants during this IEEE conference will help them to strengthen their ideas and explore new ideas.

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

On behalf of AISSMS's Institute of Information Technology, Pune and IEEE Pune Section, It gives us immense pleasure to welcome all invitees, delegates, academics, industrial professional and exhibitors from all over the globe for 3rd IEEE International Conference on Emerging Smart Computing & Informatics (IEEE ESCI 2021) scheduled on 5th -7th March 2021 at AISSMS IOIT Pune. This magnificent event has seen the light of the day due to the relentless contribution of the entire organizing committee. At the outset, we would like to heartily congratulate all of them for their stupendous efforts.

The conference has provided the platform to Research scholars, Technocrats from academics and Industry experts to interact, exchange and share their innovative ideas and research contributions. The discussions, brainstorming sessions and deliberations lead to unveiling the potential power, challenges, issues and concerns of the emerging trends in smart computing and Informatics.

We would like to express our deepest gratitude to the entire IEEE-ESCI 2021 team and reviewers. Conferences of this scale would not be possible without the strong engagement, effort and support of all stakeholders. Last but not least, our sincere appreciation goes to all authors, dignitaries and invited speakers for their involvement and the sharing of experiences in a knowledgeable way.

The AISSM Society and IEEE are extremely indebted to us for giving us the chance to organize such an outstanding conference. We wish all participants a very interesting discussion on behalf of the entire ESCI 2021 team and make strong contributions.

With best wishes,

Dr. P. B. Mane
General Chair
IEEE ICESCI-2021, Pune

Dr. Amar Buchade
General Chair
IEEE ICESCI-2021 Pune

Message from Organizing Chair

It gives us immense pleasure to welcome all the Research scholars, Industry experts, Faculty members & students for 3rd IEEE International Conference on Emerging Smart Computing & Informatics (IEEE ESCI 2021) scheduled on 5-7 March 2021 at AISSMS IOIT Pune.

This conference is a great place for researchers to network, collaborate and meet world-renowned experts through discussion in order to learn, exchange and solve problems. We expect many high-quality expert discussions to help students and young researchers learn in the area of Smart Computing and Informatics. IEEE ESCI-2021 will feature world class keynote talks, invited talks, special sessions which will be offered by researchers and professionals working in academia, industry and research organizations.

The conference has received overwhelming response with more than 686 research papers being submitted. A very carefully drawn-up intellectual review panel of experts in their fields underwent a very thorough review process for these submissions. Effective submissions for presentation and therefore inclusion in the proceedings are invited. And so, we are confident that the debates would be of the highest quality and successful during the presentations.

The overwhelming response of researchers to paper submission is a matter of pleasure to note.
The participation of all the presenters at IEEE ESCI 2021 will enrich their experience with good interactions with international technical community.

We are confident that this conference will bring together people from related fields to share their strategies and experiences and, more importantly, to carry out collaborative projects.

Dr. Suresh Limkar
Organizing Chair
IEEE ICESCI-2021, Pune

Prof. Mandar Khurjekar
Organizing Chair
IEEE ICESCI-2021, Pune

Message from Technical Program Chairs

On behalf of the Technical Programme Chair, We thank you for participating in the IEEE International Conference on Emerging Smart Computing and Informatics (ESCI-2021).

ESCI-2021 brings together researchers, academics, industry experts, and education leaders from all over the world to discuss an incredibly wide array of topics, Artificial Intelligence, Image Processing, Internet of Things (IoT), Smart Services, Security and Privacy, and Communication Networks, to name a few.

The Technical Program of IEEE ESCI-2021 consists of 03-tracks and 06 special sessions, featuring emerging areas of applications. The conference also features with tutorials on recent topics like Machine Learning, 5G Radios, Human-Computer Interaction, and Wireless Sensor Network (WSN) as well as six keynotes on Visual Domain Adaptation, WSN, IoT Security, Digital Health, Image recognition and analysis, and optimization.

We received a total of 708 paper submissions for the conference, out of which 196 papers have been accepted and 154 papers have been registered for presentation and publication in the conference proceedings, yielding an acceptance rate of 28%. The submitting authors originate from different countries from all parts of the globe. Every paper went through a rigorous review process, in which each paper received at least three expert reviews.

Our warmest thanks go to our Organization Committee colleagues, including the Tutorials Program Chairs, the Publication Chairs, Track Chairs, the Technical Program Committee members, and the paper reviewers for their invaluable work in shaping the Technical Program.

Enjoy conference with your friends and colleagues as well as impromptu discussions with locals! We look forward to seeing everyone at the Conference!

Dr. V. K. Bairagi
Technical Program Chairs
IEEE ESCI-2021

Dr. R. B. Dhumale
Technical Program Chairs
IEEE ESCI-2021

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3rd IEEE International Conference on Emerging Smart Computing & Informatics (ESCI 2021) (5th -7th March 2021)

Pre Conference Tutorial Session	Date : 4th March 2021, Thursday
	Time: 11.00 AM TO 1.00 PM

Speaker: Mohamed Rawidean Mohd Kassim RegionalCoordinator, IEEEComputerSociety R10 IEEE ComputerSocietyDVPSpeaker Topic: Wireless Sensor Network in Precision Agriculture Link: https://tinyurl.com/jkktcgan Eventnumber:1848409078|Eventpassword:ioit123 Coordinator: Mrs. V. A. Yawale: +919860502602	**Speaker : Dr. Prachi Joshi** Head,MachineLearning&Analytics iKnowledge Company Topic: Machine Learning and Analytics Link: https://tinyurl.com/4r4kyw5e Eventnumber:1842630458 |Eventpassword:ioit123 Coordinator: Mr. Vijaykumar Kamble: +919158165918
Speaker: Dr. Ganesh D. Bhutkar Dept.ofComputerEngineering&Coordinator, Center of Excellence in HumanComputerInteraction,Vishwakarma InstituteofTechnology, Pune Topic: Human Computer Interaction Link: https://tinyurl.com/f3bcc71y Eventnumber:1840323147|Eventpassword:ioit123 Coordinator: Ms. Saba Shaikh: +919881667867	**Speaker: Mr. Prasad Petkar** Application Engineer for Wireless Applications Topic: Understanding 5G Radio Link: https://tinyurl.com/2ptegqp7 Eventnumber:1840186778 |Eventpassword: ioit123 Coordinator: Mrs. K. S. Gadgil: +919822653943

DAY - 1 : 5th March 2021, Friday

INAUGURAL FUNCTION

Link:https://tinyurl.com/1sf0ew9u | Eventnumber:1305336318\|Eventpassword:123456\|Time:10.00AM TO11.30AM

KeynoteTalk-01 | Time: 12.00 NOON TO1.00PM **Speaker: Dr. Dong Xu** Professor, The University of Sydney, Australia Topic: Visual Domain Adaptation Coordinator: Mr. Prashant Mahajan +919763644533	|Link:https://tinyurl.com/1sf0ew9u |Eventnumber:1305336318 | Event password: 123456

LUNCH BREAK 1.00 PM-2.00PM

KeynoteTalk-02|Time: 2.00PMto3.00PM **Speaker: Dr. Korhan Cengiz** Trakya University, 22030, Edirne, Turkey Topic: Novel Routing Protocols for WSN Coordinator: Mrs. Sujata Powniker +918975923450	|Link:https://tinyurl.com/1sf0ew9u |Eventnumber:1305336318 | Event password: 123456

Technical Oral Presentation Session 1: Smart Computing

SessionChair: Dr.ChiragPaunwale,SCET Gujrat\|Dr.BangareManoj, SKNCOE,Pune

SessionCoordinator: Ms. ShilpaPimpalkar:+919890298138\|Mr. GirishNavale:+917758990466

Link:https://tinyurl.com/43ojj9q7\|Eventnumber:1844108044\|Eventpassword:ioit123 \|Time: 3.00PM TO 5.00PM

Sl. No.	Paper ID	Title
1.	3	IdentificationofstragglernodeinDistributedEnvironmentUsingSoftComputingAlgorithms
2.	204	CDA-SVM :A Chaotic Dragonfly Enriched Support Vector Machine for Micro array Data sets
3.	344	Caloriemeter: Food Calorie Estimation using Machine Learning
4.	353	Unsupervised Sentiment Classification Of Twitter Data Using Emoticons
5.	467	Tomato Leaf Disease Detection and Classification Using Convolution Neural Network
6.	480	Automating Generative Adversarial Networks using Neural Architecture Search: A Review

Technical Oral Presentation session 2 : Smart Computing

SessionChair: Dr.SuhasPatil, BharatiVidyapeethDeemedUniversity,Pune \|Dr.NilimaDhumale,SCOE,Pune

SessionCoordinator:Ms. Minal Zope:+919970098042\|Mr. PrashantSadaphule:+917588684770

Link:https://tinyurl.com/4b6hsof4\|Eventnumber:1848067477\|Eventpassword:ioit123\|Time:3.00PM TO5.00PM

Paper ID	Title

3rd **IEEE International Conference on Emerging Smart Computing & Informatics**
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CONFERENCE

Sl. No.		
1.	142	Statistical and Machine Learning Approach to Study the Smoking Impact on Heart Rate Variability Features
2.	190	Machine Learning based Malaria Prediction using Clinical Findings
3.	362	ECG Data Analysis for Cardiac Arrhythmia Detection using Machine Learning
4.	386	Development of Diabetes Diagnosis System with Artificial Neural Network and Open Source Environment
5.	392	Performance Comparison of Different EEG Analysis Techniques Based on Deep Learning Approaches
6.	488	Communication Device for the Visual and Hearing Impaired Persons to convert Braille characters to English Text

Technical Oral Presentation Session 3: Image & Signal Processing Session Chair: Dr.M.P. Dale, COEWadia, Pune|Dr.Neha Sharma, IEEE PuneSection Session Coordinator: Mrs. Minal Nerkar:+919850173169 |Ms.Veena Bhende:+919970974045 Link:https://tinyurl.com/4gng9jbs |Event number: 1841833017 |Event password: ioit123	Time: 3.00PM TO 5.00PM		
Sl. No.	**Paper ID**	**Title**
1.	50	Diabetic Retinopathy Classification using a Combination of EfficientNets
2.	96	Classification of COVID-19 CT images using Transfer learning models
3.	179	Efficient medical image segmentation of COVID-19 chest CT images based on deep learning techniques
4.	186	Improved algorithm for Automatic Elevated Body Temperature Screening using short wavelength technology
5.	360	COVID-19 Monitoring System using Social Distancing and Face Mask Detection on Surveillance videos
6.	378	A Particle Swarm Optimization based Training Algorithm for MCMA Blind Adaptive Equalizer

Technical Oral Presentation Session 4 : IoT And Automation Session Chair: Dr. Dipali Ramdasi, CCOEW, Pune	Prof. Mandar Khurjekar, IEEE Pune Section Session Coordinator: Ms. Prajwal Gaikwad: +919762023200	Ms. Anuradha Varal: +919561609068 Link: https://tinyurl.com/u4obq86f|Event number: 1847659694 |Event password: ioit123	Time: 3.00 PM TO 5.00PM		
Sl. No.	**Paper ID**	**Title**
1.	21	Vehicle Accident Alert System Using LABVIEW
2.	118	A Comparative Study on Detection of Combustion Vehicles and Electric Vehicles in New Era
3.	213	Design of High Frequency RFID based Real-time Bus Tracking System
4.	271	Comparative Analysis of Heuristic-based Energy Efficient Protocol for M2M Communications in Green IoT
5.	291	Implementation of Least Significant Bit Image Steganography with Advanced Encryption Standard
6.	352	Hardware-Software co-implementation of a high performance and light- Montgomery based modified RSA for portable IoT devices

Technical Oral Presentation Session 5: Smart Computing Session Chair: Dr. Sapkal Ashwini, AIT, Pune	Dr. Shashank Joshi, Bharati Veedyapith Deemed University, Pune Session Coordinator: Ms. Archana Said:+919767747898| Ms.Pradnya Bormane:+919763722263 Link: https://tinyurl.com/rl7zgrwd	Event number: 1848985386 |Event password: ioit123	Time: 3.00 PM TO 5.00 PM		
Sl. No.	**Paper ID**	**Title**
1.	14	Echo State Networks and existing paradigms for Stock Market Prediction
2.	28	Financial Predictions Based On Fusion Models -A Systematic Review
3.	48	Machine Learning Application for Black Friday Sales Prediction Framework
4.	53	Analysis of Algorithmic Trading with Q-Learning in the forex Market

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5.	303	Improving Traditional Stock Market Prediction Algorithms Using Covid-19 Analysis
6.	351	Anomaly Detection in Time Series Data of Sensex and Nifty50 With Keras

Special Session 1 Session Chair: Dr. Suhaib Ahmed | Dr. Sparsh Sharma Baba Ghulam Shah Badshah University, Rajouri, Jammu & Kashmir, India Session Coordinator: Ms. Neha Patil :+919561508345|Ms. Pradnya Gulhane:+919850808929 Link: https://tinyurl.com/yxm6ocol|Eventnumber:1845873971|Eventpassword: esci2021| Time:3.00PM TO 5.00PM		
Sl. No.	**Paper ID**	**Title**
1.	SAB01	Design of Area Efficient Shift Register and Scan Flip-Flop based on QCA Technology
2.	SAB02	Design and Modeling of an Ultra-Efficient 3x3 SSG-1 Reversible Gate for Nanoscale Applications
3.	SAB08	Political Ideology Prediction from Bengali Text Using Word Embedding Models
4.	SAB12	Novel technique for script translation using NLP
5.	SAB16	The Effect of Technology Scaling and Cell Ratio, Pull-up Ratio on Stability of SRAM Cell Topologies in Nanometer Regime
6.	SAB26	IoT Based Real time Soil Nutrients Detection
7.	SAB28	CMOS Transimpedance Feedback Amplifier Design using Unity Gain Differential Amplifiers
8.	SAB32	Fusion Based Image Retrieval using Haralick Moments and TSBTC Features

DAY -2 : 6th March 2021, Saturday

Technical Oral Presentation Session 6: Smart Computing Session Chair: Dr. Mahajan Rupali, JSPM BSITR, Wagholi, Pune | Dr. Shete Virendra, MIT ADT University, Pune Session Coordinator: Mr. Sandeep Chaudhari:+919422504068|Mr. Shingare Saurabh.:+919422604267 Link: https://tinyurl.com/b28daywg|Eventnumber:1849050154|Eventpassword:ioit123|Time:10.00AM TO 12.00NOON		
Sl. No.	**Paper ID**	**Title**
1.	37	Detepet Mobile Application for Pet Tracking
2.	55	Throughput Optimization of Coexistent LTE-U and WiFi in Next Generation Networks
3.	145	Simulation Of Self Driving Car Using Deep Learning
4.	206	Optimized Compression of Data using Huffman based LZW Encoding Technique
5.	263	PUBG Winner Ranking Prediction using R Interface 'h2o' Scalable Machine Learning Platform
6.	385	Compact High Gain Multiband Microstrip Patch Antenna For Future Generation Portable Devices Communication

Technical Oral Presentation Session7 : Smart Computing Session Chair: Dr. Sonkamble Sulochana, JSPM COE, Nerhe | Dr. Somani Sunil, MIT, Pune Session Coordinator: Ms.Shubhangi Landge:+917774077173 | Ms.Saba Shaikh:+919881667867 Link:https://tinyurl.com/3q2fzfcx|Eventnumber:1843593402|Eventpassword:ioit123|Time:10.00AM TO 12.00NOON		
Sl. No.	**Paper ID**	**Title**
1.	66	Design of high precision peak detect sample and hold for X-ray spectroscopy
2.	98	Application of Deep Convulational Neural Network in Medical Image Classification
3.	110	How COVID19 created the horizon for new Normal: A review
4.	336	An Efficient Numerical Technique for Solving System of Nonlinear Equations
5.	396	An Efficient and Secured Data Sharing Approach through Image Transmission
6.	496	Smart Agricultural Robot for Spraying Pesticide with Image Processing based Disease Classification Technique

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Technical Oral Presentation Session 8: Image & Signal Processing		
SessionChair:Dr.Arati Vyavahare,PES Modern COE,Pune|Dr.RajshreeJain,SICSR,Pune		
Session Coordinator: Mr. VijaykumarKamble:+919158165918| Mr.Sandeep Raste:+919970690660		
Link:https://tinyurl.com/68b0by9n|Eventnumber:1848174538|EventPassword:ioit123|Time:10.00AM TO 12.00NOON		
Sl. No.	**Paper ID**	**Title**
1.	93	Optimized Data Compression through Effective Analysis of JPEG Standard
2.	226	MEMS Interdigital Electrode Sensor Design for Gas sensing Mechanism
3.	249	Design and Implementation of a Low Cost IoT Based Tipping Bucket Rain Gauge
4.	379	Investigation of Quantitative Electroencephalography Markers for Schizophrenia Diagnosis using VMD
5.	394	Modified ZM-SPECK:-Alowcomplexityandlowmemorywaveletimagecoderfor VS/IoTnodes
6.	431	MLIDS:AMachineLearningApproachforIntrusionDetectionforrealtimeNetworkDataset

Technical Oral Presentation Session 9: Image & Signal Processing		
Session Chair: Dr. Ganesh Sable, MIT Aurangabad |Dr. K. M. Gaikwad, SAE, Kondhwa		
Session Coordinator: Ms. Vaishali Kuralkar(Yewale):+919860502602	Mr. Pokharkar Sagar :+919822151244		
Link:https://tinyurl.com/bsttebr0|Eventnumber:1848053285|EventPassword:ioit123|Time:10.00AM TO 12.00NOON		
Sl. No.	**Paper ID**	**Title**
1.	184	Multi-Digit Recognition using Image Processing and Neural Network
2.	218	Face Recognition of Children Using AI Classification approaches
3.	253	Flood Water Depth Classification Using Convolutional Neural Networks
4.	285	WhiteBloodCellsClassificationUsingBuilt-inCustomizableTrainedConvolutionalNeuralNetwork
5.	372	FeatureSelectionbasedReductioninDimensionsandIndexingofImagesforE?cientImageRetrieval
6.	463	Implementation of blind and non-blind deconvolution for restoration of defocused image

Technical Oral Presentation Session 10: IoT and Automation		
Session Chair: Dr. Manisha Mhetre ,VIT, Pune	Dr. S.C. Patil, IEEE Execom		
Session Coordinator: Mr. Milind Gajare:+918275053999	Mr. Nitin Gaikwad : +917387877734		
Link:https://tinyurl.com/2557ecad|EventNumber:1844239359|EventPassword:ioit123|Time:10.00AM TO 12.00NOON		
Sl. No.	**Paper ID**	**Title**
1.	170	Bluetooth-based Wireless Digital Stethoscope
2.	259	Analysis of Encryption Techniques for Secure Communication
3.	306	IoT based Smart Security and Surveillance System
4.	346	Comparison of feeding techniques for EMCP array antenna
5.	424	Image Captioning Methods and Metrics
6.	429	PredictonofMRR&SurfaceRoughnessinWireEDMMachiningusingDecisionTreeandNaiveBayes Algorithm

Special Session 2		
Session Chair: Dr. Rajesh Kumar Kaushal	Dr. Naveen Kumar		
Chitkara University, Rajpura Punjab		
Session Coordinator: Ms. Amrapali Chavan: +919822795994 |Mr. Shashikant Kale :+919975703571		
Link: https://tinyurl.com/52mswgq3	Event number:1844225471	Event password: esci2021 |Time:10.00 AM TO 12.00 NOON		
Sl. No.	**Paper ID**	**Title**
1.	RK01	A Hybrid Approach to Improve Classification Performance using WMOT Tool
2.	RK02	Analyzing the Application of SMOTE on Machine Learning Classifiers
3.	RK04	ATableBasedAttackDetection(TBAD)schemeforInternetofThings:AnapproachforSmartCityEnvi

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4.	RK06	Recognition of Children Punjabi Speech using Tonal Non-Tonal Classifier
5.	RK08	N-CNNBasedTransferLearningMethodforClassificationofPowderyMildewWheatDisease
6.	RK12	Design and Development of IoT Enabled Hybrid Wheelchair cum Bed

KeynoteTalk-3 | Time: 12.00NOON–1.00PM | Link: https://tinyurl.com/yq73k152
Speaker: Dr. Vishal Saraswat | Eventnumber: 1309111208
Robert Bosch Engineering and Business Solutions Pvt.Ltd, Bangalore, INDIA | Event password: 123456 Topic:
IoT Security in Quantum Era
Coordinator: Mr. Prashant Mahajan +919763644533

LUNCH BREAK 1.00 PM-2.00PM

KeynoteTalk-4 | Time: 2.00PM-3.00PM | Link: https://tinyurl.com/yq73k152
Speaker : Dr. Ahmed A. Elngar | Eventnumber: 1309111208
Beni-SuefUniversity, Egypt | Event password: 123456
Topic: Adopting New Technologies to Avoid Covid 19 as an Effective Acceleration of Digital Health
Coordinator: Mrs. Sujata Powniker +918975923450

Technical Oral Presentation Session 11 : Smart Computing
Session Chair: Dr. Dhore Manikrao, VIT, Pune | Dr. Nuzhat Shaikh, MES COE, Pune
Session Coordinator: Mr. Lavate Santosh:+918888949191 | Mrs. Geeta Salunke:+919850218602
Link: https://tinyurl.com/1lp6gkpm | Event number: 1845424344 | Event password:ioit123 | Time: 3.00 PM TO 5.00 PM

Sl. No.	Paper ID	Title
1.	64	Attention-based Visual Question Generation
2.	262	Comparative Study of Machine Learning Algorithms for Twitter Sentiment Analysis
3.	275	Revolutionize Cosine Answer Matching Technique for Question Answering System
4.	297	TranslationfromSimpleMarathisentencestoIndianSignLanguageUsingPhrase-BasedApproach
5.	409	A Unified Audio Analysis Framework For Movie Genre Classification Using Movie Trailers
6.	491	An Efficient Resource Management Scheme for Smart Grid Using GBO Algorithm

Technical Oral Presentation Session 12: Image & Signal Processing
Session Chair: Dr. P. S. Deshpande, SAE Kondhwa
Session Coordinator: Mrs. Shobha Nikam: +919860709687 | Mr. Sugat Pawar : +918087685979
Link: https://tinyurl.com/2ue3lhdq | Event number: 1848964896 | Event password:esci2021 | Time: 3.00 PM TO 5.00 PM

Sl. No.	Paper ID	Title
1.	74	Leveraging Unpaired Image to Image translation for generating high quality synthetic data
2.	337	Ocean Pollution Detection using Image Processing
3.	349	Hybrid Approach for Underwater Image Restoration and Enhancement
4.	404	Rough Set Based Contour Approximation From Flickering Depth Images
5.	449	Handwritten Digit Recognition of MNIST dataset using Deep Learning state-of-the-art Artificial Neural
6.	471	An Improved Model for Human Activity Recognition by Integrated features Approach and Optimized SVM

Technical Oral Presentation Session 13: Image & Signal Processing
Session Chair: Dr. Chethan K.S, RVITM, Bengaluru | Dr. V.K.Harpale, PCCOE, Pune
Session Coordinator: Mr. Vikas Desai:+919421676837 | Ms. Sweta Patil:+919766192060
Link: https://tinyurl.com/by7azyyq | Event number: 1847181351 | Event password:ioit123 | Time: 3.00 PM TO 5.00 PM

Sl. No.	Paper ID	Title
1.	34	A Survey on Deep Learning for Intracranial Hemorrhage Detection
2.	49	Attention Based Speed Governor for Electric Vehicles

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3.	70	An Experimental Analysis of Lifi and Deployment on Localization Based Services & Smart Building
4.	106	Area Efficient VLSI architecture for reversible radix_2 FFT algorithm
5.	157	Searching a Video Database using Natural Language Queries
6.	192	Quality Analysis of Farm Seeds and Variation of various Parameters using Infrared Imaging

Technical Oral Presentation Session 14: Iot and Automation
Session Chair: Prof. Anjali Birajdar , MBES COE, Ambajogai Session
Coordinator: Mrs. Varsha Patil: +919325643275 | Mr. Kuldeep Pawar: +919960390370
Link: https://tinyurl.com/ygt4uhdw | Event number: 1846284270 | Event password: ioit123 | Time: 3.00 PM TO 5.00 PM

Sl. No.	Paper ID	Title
1.	155	Artificial Neural Network based virtual energy meter
2.	219	Design and development of smart personal protective equipment vending machine using Internet of Things
3.	328	Third Eye for Visually Challenged Using Echolocation Technology
4.	439	Cloud-Fog based HealthCare Framework to Identify and Prevent Dengue Fever Outbreak
5.	451	Data-Driven Linear Quadratic Control Scheme for Three-Phase Microgrid System Optimized by Genetic Algorithm
6.	482	Dynamic Time Assisted Authentication Protocol (DTAAP) for Client-Server in WSN-IoT Environment

Technical Oral Presentation Session 15: Smart computing
Session Chair: Dr. Patil Dipti, CCOEW, Pune
Session Coordinator: Mr. Sachin Kokane: +919673037327 | Ms. Supriya Lohar:+919420132597
Link: https://tinyurl.com/5cqfwjjy | Event number: 1840153333 | Event password:ioit123 | Time:3.00 PM TO 5.00 PM

Sl. No.	Paper ID	Title
1.	13	Knowledge Graph of Mergers and Acquisitions
2.	36	Application for easy organizing of Event Organizer
3.	47	Design and Simulation of Loan Approval Prediction Model using AWS Platform
4.	90	An effective credit scoring model implementation by optimal feature selection scheme
5.	240	Predicting Optimal Cricket Team Using Data Analysis
6.	280	Predicting the Post Graduate Admissions using Classification Techniques

Technical Oral Presentation Session 16: Smart computing
Session Chair: Dr. Joshi Ram, RSCOE, Pune
Session Coordinator: Ms. Shobhika Gopnarayan : +919011617286 | Mr. Chavan Vinayendra: +919902817844
Link :https://tinyurl.com/11qjqva5 | Event number: 1840438920 | Event password:ioit123 | Time:3.00 PM TO 5.00 PM

Sl. No.	Paper ID	Title
1.	16	Ontology Construction from Cross Domain Customer Reviews using Expectation Maximization and Semantic
2.	211	FOFO: Fused Oversampling Framework by addressing Outliers
3.	229	Model-driven Automatic Paths Generation and Te`st Case Optimization Using Hybrid FA -BC
4.	272	Automated Timetabling System for University Course
5.	276	State Of Charge Estimation Of Lithium Ion Battery
6.	305	Lower Complex CNN Model for Fire Detection in Surveillance Videos

Special session 3
Session Chair: Dr. Saikumar Tara, CMR Technical Campus (A), Hyderabad, Telangana
Session Coordinator: Mr. Pritesh Patil :+919209217431 | Ms. Madhuri Thorat: +918408899553
Link: https://tinyurl.com/10dzfc8q | Event number: 1841698213 | Event password: esci2021 | Time: 3.00 PM TO 5.00 PM

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Sl. No.	Paper ID	Title
1.	ST01	Hybrid Secure CLOUD Storage data based on improved encryption schema
2.	ST03	Resource Allocation in Device to Device Communication using Dynamic Programming
3.	ST05	Detection of Epileptic Seizures using Convolutional Neural Network
4.	ST08	Efficient and secure file transfer in cloud through double encryption using AES and RSA algorithm
5.	ST20	Performance Enhancement of Microstrip Antenna at ISM Band using Slots
6.	SS14	Selection of Tree Based Ensemble Classifier for Detecting Network Attacks in IoT

Day 3 Date : 7th March 2021, Sunday

Technical Oral Presentation Session 17 : Smart Computing
Session Chair:Dr. D. K. Kamat, SAE Kondhwa |Dr. BailkePreeti,VIT,Pune
Session Coordinator: Ms. Anuja Phapale: +919730299992|Ms. SasteRasika: +919665791104
Link:https://tinyurl.com/1b72mbjr| Eventnumber:1841526997 |Eventpassword:ioit123|Time:10.00 AM TO 12.00 NOON

Sl. No.	Paper ID	Title
1.	133	Analysis of User's Learning Styles and Academic Emotions through Web Usage Mining
2.	244	Method for mining frequent item sets considering average utility
3.	264	Time Series Analysis of Cryptocurrencies using Deep Learning & Fbprophet
4.	333	Aerial Image Classification Using DCNN with DCT, TSBTC and Augmentation Techniques
5.	340	Comparative Analysis of Selected Hadoop-Based Tools -A Literature Review and User's Perspective
6.	389	Experimental Analysis of Dedicated GPU in Virtual Framework using vGPU

Technical Oral Presentation Session 18 : Smart Computing
Session Chair: Dr. Amar Buchade, IEEE Pune Section /PICT, Pune| Dr.S.S.Lokhande, SCOE, Pune
Session Coordinator: Ms. Pragati Mahale:+919405371647| Mr. A. A. Chaudhari: +919860905183
Link:https://tinyurl.com/4bfpbro5|Eventnumber:1842862780 |Eventpassword:ioit123|Time:10.00AM TO12.00 NOON

Sl. No.	Paper ID	Title
1.	76	Pre-trained VGG-16 with CNN Architecture to classify X-Rays images into Normal or Pneumonia
2.	268	Effective use of Big Data in Precision Agriculture
3.	422	Generalization of Line Drawing Algorithm-An Effective Approach to Mintheerror in Bresenhams Algo
4.	493	Compact C-Slot Microstrip –Fed Planer Antenna for Wireless Devices
5.	495	A Stochastic Neighbor Embedding Approach for Cancer Prediction

Technical Oral Presentation Session 19: Image & Signal Processing
Session Chair: Dr. Archana Chougule, Sanjay Ghodawat University, Kolhapur | Dr. Jayshree Panasre, MES COE, Pune
SessionCoordinator:Ms. Poonam Jadhav : +918888148293 |Dr. BadriMohapatra:+919437812746
Link:https://tinyurl.com/2yrt9hw7|Eventnumber:1847951514|EventPassword:ioit123|Time:10.00AM TO12.00NOON

Sl. No.	Paper ID	Title
1.	104	Unsupervised Page Area Detection Approach for the Unconstrained Chronic Handwritten Modi Document Images
2.	131	Optical Character Recognition using Tesseract and Classification
3.	138	Identification and Classification of Industrial Elements using AI and Image Processing techniques
4.	146	Video Chat Application for Mutes
5.	282	Specular endothelium image analysis with DEM algorithm

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6.	458	Autonomous Inpainting Algorithm for Wire Removal from Image

Special session 4 Session Chair: Dr. P. A. Harsha Vardhini, Vignan Institute of Technology and Science Deshmukhi, Hyderabad, Telangana Session Coordinator: Dr. Sanjay Kurkute: +919850138917	Mr. C. K. Bhange :+919552645855 Link:https://tinyurl.com/238art5v|Eventnumber:1847696414|Eventpassword:esci2021|Time:10.00AM to 12.00 NOON		
Sl. No.	**Paper ID**	**Title**
1.	PH 02	Design of bi static scatterometer for soil moisture estimation
2.	PH 04	Comparative Assessment of Biasing Techniques In CMOS Operational Amplifier
3.	PH 07	Medicine Allotment for COVID-19 Patients by Statistical Data Analysis
4.	PH 08	Hexagonal Shaped Micro-strip Patch Antenna Design using CST Microwave Studio
5.	PH 13	IOT Enabled Power Monitoring And Control Of Single Phase Induction Motor
6.	PH 19	Design and Implementation of Low Power High Speed Robust 10T SRAM
7.	PH 21	Design Implementation and Analysis of Different SRAM Cell Topologies
8.	PH 22	Energy-Aware Architecture of Reactive Routing in WSNs Based on the Existing Intermediate Node State

Special session 5 Session Chair: Dr. Ahmed A. Elngar, Beni –Suef University Egypt Session Coordinator: Ms. Anuradha Varal: +919561609068	Mr. Shashikant Kale :+919975703571 Link:https://tinyurl.com/1prjgf6r|Eventnumber:1843579138|Eventpassword:ioit123|Time:10.00AM TO 12.00 NOON		
Sl. No.	**Paper ID**	**Title**
1.	SAP 11	Neuro-Fuzzy and Particle Swarm Optimization based Hybrid Approach for Stock Price Forecasting
2.	SAP 12	Design and Verification of 16 Bit RISC Processor using Vedic Mathematics
3.	TD 04	Categorization of diabetic retinopathy and identification of characteristics to assist effective dia
4.	SNP 03	Comprehensive Analysis for Fraud Detection of Credit Card through Machine Learning
5.	AE 04	Simulatinon Scheduling Real Time Systems using Smart Genetic Algorithms
6.	AE 07	IOT Based Water Quality Monitoring System by Using ZIGBEE Protocol
7.	AE 05	Implementation of Two-Dimensional Image Result Analysis Using Artificial Neural Networks with the Counter propagation Method
8.	AE 10	Electromyogram Based Bot-assistive Device for Paralyzed People

Special session 6 Session Chair: Dr. E. B. Priyanka, Kongu Engineering College, Erode	Dr. Akhil Gupta, Lovely Professional University, Phagwara Punjab Session Coordinator: Mr. Vikas Desai:+919421676837	Ms. Sweta Patil: +919766192060 Link:https://tinyurl.com/j02f8jcg|Event number:184 274 7280	Event password:ioit123| Time: 10.00 AM TO 12.00 NOON		
Sl. No.	**Paper ID**	**Title**
1.	EP05	Genetic Algorithm Based Robust H? Loop Shaping Control Of SI Engines
2.	EP12	A Novel Experimental Strategy on Medium Density Cleaner Automation in Paper and Pulp Industry Using
3.	EP14	Real Time Performance Analysis Of Temperature Process Using Continuous Stirred Tank Reactor
4.	AG9	Implementation of Customized Adaptive Algorithm for Visualization of Stereoscopic Face Mask
5.	AKG01	Confrontation- Wi-Fi Risks and Data Breach

KeynoteTalk-5   Time: 12.00NOON TO 1.00PM |Link: https://tinyurl.com/4ms9p3d5
Speaker Dr. Mohammad Alamgir Hossain |Eventnumber:1302101513
JAZAN UNIVERSITY, KSA |Event password: 123456
Topic: Recent Research Trends and Challenges in Image Recognition and Analysis

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Coordinator: Mr. Prashant Mahajan +919763644533
LUNCH BREAK 1.00 PM-2.00PM

Keynote Talk-06	Time: 2.00 PM to 3.00PM **Speaker: Dr. Jagdish Chand Bansal** South Asian University New Delhi and Visiting Faculty at Liverpool Hope University UK Topic: Spider Monkey Optimization Coordinator: Mrs. Sujata Powniker +918975923450	|Link:https://tinyurl.com/4ms9p3d5 |Event number:1302101513 |Event password: 123456

VALEDICTORY 3.00 PM TO 5.00 PM
Link: https://aissmsioit.webex.com/aissmsioit/j.php?MTID=mcd589832620af5082b5709ac37543aa5
Event Number: 184 704 8898
Event Password: ioit123

Inauguration Function

"Aspirations are your possibilities; Keep them high" - Dr. Raghunath Mashelkar.

Inauguration of ESCI-21: Lamp lightning by Shri Suresh Shinde, Honorary Joint Secretary AISSM Society

ESCI-2021 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 inauguration was done by Dr. Raghunath Mashelkar through an online platform.
Dr. Raghunath Mashelkar during his speech asserted the magic of achieving high aspiration with assured innovation success. When the aspirations are high then the vast possibilities are open for you. He added that-"I" in India must stand for "innovation" should not stand for individual or imitations in this regard we have to make a paradigm shift in our innovation strategy.

According to him, successive pole vaulting can be achieved through 'Assured total innovation framework' Any innovation you do see that should be affordable, scalable, sustainable, universal, rapid, distinctive, if you find one or two criteria missing then we bound to fail over a period of time." said he.

 He congratulated AISSMS IOIT for organizing such a wonderful conference through the online platform and grabbing opportunities in the adversity of the current situation and wished the best for it.
Shri Malojiraje Chhatrapati, Secretary AISSM Society sent his well-wishing message for guests and participants on behalf of AISSMS society and wished for the grand success of the conference.
 Shri Suresh Shinde, Honorary Joint Secretary AISSM Society, addressed the gathering by inspiring words; he said "The world is becoming smart so as we in terms of education and grabbing opportunities and through 5 A's -Ask, Advise, Assess, Assist, and Arrange. We should move toward the smartness."
 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 upcoming engineers should take the benefit of such conferences to encourage knowledge sharing and be enlightened about innovative ideas. Extending the thought of the Assured framework of Dr. Mashelkar on behalf of all teachers he promised to bring quality education through innovation.

IEEE's Pune section president Mr. Girish Khilari briefed the gathering by highlighting the need of raising the bar of quality and standards in higher education by focusing on important keywords like the benefit of humanity, improving global condition. Enhance public understanding.

 At the time of inauguration Honorary joint Secretary Mr. Suresh Shinde, IEEE's Pune section president Mr. Girish Khilari, Vice-chair Dr. Jagdish Chaudhari secretary Dr. Neha Sharma, Mr. Dinanath Kolkar was present. This conference aimed to provide an allied platform to emerging trends in smart computing, networking, communication, automation, IoT signal, and image processing and also to provide an opportunity to global participants to share their ideas and experiences.

The conference received overall 786 papers from which 154 papers were accepted for presentation.

Dr. Suresh Lamar anchored the function while Principal Dr. P.B. Mane presented the vote of thanks.

Felicitation of Dr. Raghunath Mashelkar
L to R: Dr.P.B. Mane (General Chair IEEE ICESCI-2021), Dr. Raghunath Mashelkar(Chief Guest,ESCI-21), Shri Suresh Shinde,
Honorary Joint Secretary AISSMS, Dr. Suresh Limkar (Organizing Chair IEEE ICESCI-2021)

Photo Gallery

Felicitation of Honorary joint Secretary Mr. Suresh Shinde, IEEE's Pune section president Mr. Girish Khilari, Vice-chair Dr. Jagdish Chaudhari and secretary Dr. Neha Sharma

Unveiling of abstract book of ESCI-21

Technical Summery

Technical details of the International Conference on Emerging Smart Computing & Informatics ESCI2021.

Papers received -708 papers.
We have followed 4 level review process.

Level 1: Technical Quality check.
Level 2: Plagiarism check, where we have used IEEE supported plagiarism detection software called crosscheck.
Level 3: Review by at-least 2 external reviewers.
Level 4: Review by technical program committee.

In the first quality check at level 1, 62 papers were rejected because of a lack of sufficient technical details in them. Out of the remaining 466 papers, 135 papers were rejected during the Plagiarism check. We have followed the IEEE policy of rejecting the papers if its similarity index is more than 30%. Or if the single source plagiarism is more than 10%.

We were having 3 tracks at this ESCI conference.

TRACK 1: SMART COMPUTING
- Artificial Intelligence and Machine Learning
- Data Mining and Text mining
- Big Data Analytics and Metrics
- Cloud Computing
- Mobile Computing
- Natural Language Processing and Machine Translation
- Parallel and Distributed Algorithms
- Pattern Recognition and Analysis
- Modelling Systems and Software Engineering
- Ubiquitous and High-Performance Computing.
- Smart Innovation, Systems and Technologies
- Green computing
- Biomedical computing
- Mobile Computing
- Social Network Analysis

TRACK 2: IMAGE & SIGNAL PROCESSING

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

TRACK 3: IOT AND AUTOMATION

- Artificial Intelligence
- Security and Privacy
- Industry X
- Smart Sensors
- Emerging Communication Technology
- Industry 4.0
- AI and Big Data
- Digital Communication
- Advanced Analytics
- Machine Learning(ML)
- Augmented and Virtual Realities(AR/VR)
- Intelligent and Autonomous Systems

Track1: Smart computing under which we have received 224 papers.
Track 2: Image and signal processing - under which we have received 123 papers.
Track 3: IoT and Automation- under which we have received   122 papers.

Track chairs-

Dr.S.N. Zaware,
Dr.M.A. Thalor,
Dr.S.B. Dhonde,
Dr.S.N. Panwar,
Dr.D.R. Shende
Dr.A.A. Shinde

There were 19 Special sessions, through which we have received 239 papers. The special session was like the main track only; where the special session organizer collected the papers for the conference. The review of these papers was conducted in coordination with the technical program committee of the conference. The organizer of the special session invited as session chair for his special session as per conference norms.

In our ESCI conference we were having 5 successful special sessions coordinated by Dr. J B Patil. The success of a special session depends on the final registered papers in the conference. 39 papers were registered for the conference through such special sessions.

There were 187 reviewers from various domains, to review the papers.

We have received papers from all over the country & also papers from abroad.

Our review process was so strong, that out of 708 papers we could select only 154 papers. So, the acceptance ratio turnout near to be ~28%. Most of the reputed conferences are having an acceptance ratio of around 30%.

Out of these final 154 selected papers, 16 papers are from abroad which includes countries like USA, UAE, Ethiopia, Iraq, Bangladesh, Sri Lanka, Egypt, Indonesia, Oman, South Africa, Vietnam, Turkey, and Hong Kong.

There are 60 papers from outside Maharashtra, 41 from Maharashtra but other than the Pune region & 37 papers from the Pune region. We received 5 papers from IITs & NITs, also 4 papers from Intel, persistence, ISRO, and CSIR. We have arranged 6 keynote sessions and 4 tutorial sessions for participants. 1025 participants have taken benefits of these sessions.

The presentation of papers was distributed in 25 sessions including special sessions. Each session was chaired by two session chairs along with two session coordinators.

We have selected one best paper from each session depending on evaluation criteria which include Presentation Quality, Research Contents Depth of Understanding, Effectiveness and Time Management.

Summery-

Paper Summery	
Total Papers received-	708
Selected papers-	154 (Acceptance ratio-28%)
Papers from abroad-	16 USA UAE Ethiopia Iraq Bangladesh, Sri Lanka, Egypt, Indonesia, Oman, South Africa, Vietnam, Turkey, Hong Kong.
Papers Outside Maharashtra-	60
Papers out of Pune region -	41
Pune region-	37
Papers from IITs & NITs-	05
Intel, persistence, ISRO, and CSIR-	04
Papers registered through special sessions.	39
ESCI-21 attendees from abroad	318
Session Summery	
No. of paper presentation sessions	25
Keynote sessions	6
Tutorial sessions	4
No of participants for sessions	1025

Preconference Tutorial

Detail Session-wise Report

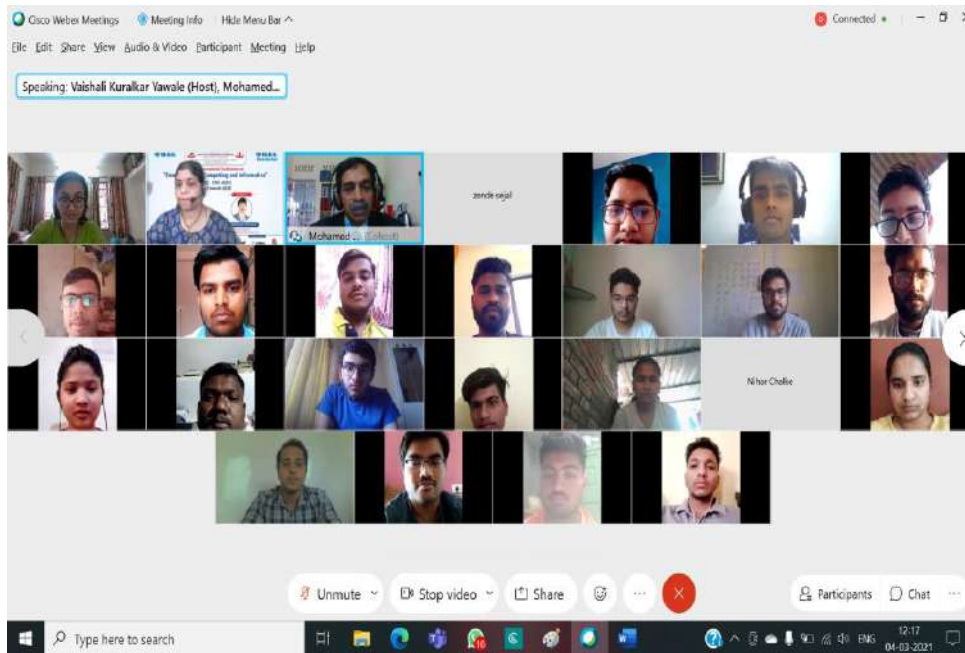| Pre-Conference Tutorial Session-1	
Topic-Wireless Sensor Network in Precision Agriculture	**Speaker (With designation):** Mohamed Rawidean Mohd Kassim Regional Coordinator, IEEE Computer Society R10 IEEE Computer Society DVP Speaker
Day- Thursday	**Date:** 04/03/2021 **Time:** 11.00 a.m. to 1.00 p.m.
Coordinators-Ms. Vaishali P. Kuralkar (Yawale)	**Link-**Link: https://tinyurl.com/jkktcgan **Event number:** 184 840 9078 **Event passwords**: ioit123

Abstract tutorial –

Mr. Mohamed Rawidean Mohd Kassim explained about the IOT applications in agriculture.
He also explained about Wireless Sensor Network in Precision Agriculture.
The brief information shared was about:

1)Internet Revolution & IoT 2)Top 10 IoT Applications
3) Evolution of Agriculture Technology 4) Agriculture 5.0
 5) Why IoT for Smart Agriculture6) Structure of IoT Agriculture
7)IoT Agriculture Sensors and Products8) Agriculture Management Software
9) Environmental Impacts 10) IoT Applications in Agriculture
11) Case Studies 12)Checklist for Smart Farming

Total No of attendees
144

Session speaker Mr. Mohamed Rawidean Mohd Kassim delivering the lecture

Pre-Conference Tutorial Session-2	
Topic - Machine learning and Analytics	**Speaker (With designation):** Dr. Prachi Josh Head, Machine Learning & Analytics, iKnowlation Company
Day - Thursday	**Date:** 04.03.2021 **Time:** 11.00am to 01.00pm
Coordinators – Mr. VijaykumarKamble	**Link-**https://tinyurl.com/4r4kyw5e **Event number: 184 263 0458 Event password: ioit123**

Abstract of Session/keynote/Special session/tutorial –

Speaker Dr. Prachi Joshi discuss on the Artificial Inelegance, Machine learning & Deep learning. She explained the journey of AI, ML and DL and the present condition. Artificial intelligence and machine learning are the part of computer science that are correlated with each other. These two technologies are the most trending technologies which are used for creating intelligent systems. Although these are two related technologies and sometimes people use them as a synonym for eachother, but still, both are the two different terms in various cases.

Artificial intelligence is a field of computer science which makes a computer system that can mimic human intelligence. It is comprised of two words "**Artificial**" and "**intelligence**", which means "a human-made thinking power."Machine learning enables a computer system to make predictions or take some decisions using historical data without being explicitly programmed. Machine learning uses a massive amount of structured and semi-structured data so that a machine learning model can generate accurate result or give predictions based on that data.

Total No of attendees
179

Session speaker Dr. Prachi Joshi addressing the participants

Pre-Conference Tutorial Session-3	
Topic- **Human** Computer Interaction	Speaker (With designation)-Dr. Ganesh Butka Asst. Head, Dept. of Computer Engineering, Centre of Excellence in Human Computer Interaction, Vishwakarma Institute of Technology, Pune.
Day- Thursday	Date- 04/03/ 2021 Time- 11:00-1:00pm
Coordinators- Ms. Saba Shaikh Aditya Bokade (Student coordinator)	Link- https://tinyurl.com/f3bcc71y

Abstract of Session/keynote/Special session/tutorial -

The Session was divided into 2 parts- 1 being the presentation part and the other being Analysis part. It was a very interesting and interactive session.

Some valuable information regarding the Human-Computer Interaction was given by the speaker Dr, Ganesh Bhutkar. Students got to know about the topic in-depth. They also got to know about the research aspect of the topic. The presentation consisted about the level of research, projects and the tie-ups done in various countries abroad.

The 2ⁿᵈ part was the analysis which was an interactive session. The analysis was done on the Food Apps, mainly Swiggy and Zomato. Also, analysis on Categorization of Users in Food apps was done. Students were enthusiastically replying and answering the questions by the speaker.

As promised by the speaker, 2 students who were attentive and gave good responses even received prizes on behalf of the speaker himself.
 Speaker gave a reward of '1 month mobile recharge' to 2 students namely:
 1. Nileet Savale – 9479700944 and
 2. Sumeet Y Pandhare:- 9518780383

A vote of thanks was given by the coordinator Mrs. Saba Shaikh.

Total No of attendees
175

Session speaker Dr. Ganesh Butka addressing the participants

Pre-Conference Tutorial Session-4	
Topic-5G New Radio, New Industry Trends	**Speaker (With designation)** Mr. Prasad Pethkar Application Engineer for Wireless Application Keysight Technologies India
Day-Thursday	**Date:** 04/03/2021 **Time:** 11:00 – 1:00pm
Coordinators-Mrs. K. S. Gadgil	**Link :** https://tinyurl.com/2ptegqp7 **Event number:** 184 018 6778 **Event password:** ioit123

Abstract of tutorial -

Following points were discussed:

1.5G specifications
2. 5g New Radio
3. 3 GPP working groups overview
4.3 GPP 5G NR Specifications
5.Comparison of Spectrum usage
6.5G Radio deployment options
7. 5G Radio Architecture
8.Waveform, multiple access and coding
9.Flexible slot-based framework
10.Modulation schemes
11.Rel 17 Content summary
12.Comprehensive portfolio solutions for communication industry .

Total No of attendees
122

Session speaker Mr. Prasad Pethkar *addressing the participants*

Keynote Sessions

Keynote Session 1	
Topic-Visual Domain Adaptation	**Speaker (With designation): Dr. Dong Xu** (Professor, The University of Sydney, Australia)
Day- Friday	**Date:** 05 /03/2021 **Time:** 12.00 NOON – 1.00 PM
Coordinators- Mr. Prashant Mahajan**,** Mrs. Sujata Powniker	**Link:** https://tinyurl.com/1sf0ew9u

Abstract of Session/keynote/Special session/tutorial -

Mr. Dong Xu explained the applications, the target domain contains very few or even no labeled samples, while an existing domain (i.e., the auxiliary domain) is often available with a large number of labeled examples. Millions of loosely labeled Flickr photos or YouTube videos can be readily obtained by using keywords-based search. On the other hand, while users may be interested in retrieving and organizing their own multimedia collections of images and videos at the semantic level, they may be reluctant to put forth the effort to annotate their photos and videos by themselves.

This problem becomes furthermore challenging because the feature distributions of training samples from the web domain and consumer domain may differ tremendously in statistical properties. To explicitly cope with the feature distribution mismatch for the samples from different domains, in this talk sir introduced his visual domain adaptation approaches under different settings and also describe their interesting applications in image and video recognition.

 Prof. Xu also briefed about the areas of image and video processing, computer vision and multimedia.

Total No of Participants	No of Indian Participants	No of International participants
506	502	4

Keynote speaker Dr. Dong Xu presenting the session

Keynote Session 3	
Topic-IoT Security in Quantum Era	**Speaker (With designation):** Dr. Vishal Saraswat Bosch Engineering and Business Solutions Pvt. Ltd, Bangalore, INDIA
Day-Saturday	**Date:**06/03/2021 **Time:** 12.00 NOON – 1.00 PM
Coordinators- Mr. Prashant Mahajan**,** Mrs. Sujata Powniker	**Link:** https://tinyurl.com/yq73k152

Abstract of Keynote Session:

Dr. Vishal Saraswat explained anonymity and privacy in communication protocols, searchable encryption for the cloud-based services, lightweight cryptography for IoT devices, post-quantum crypto, active and passive cryptanalysis, and hardware security.

He has delivered detailed talk on cyber security for various intelligence agencies, defense organizations, academic institutions. Sir, has also explained role of blockchain, IOT and security.

Total No of Participants	No of Indian Participants	No of International participants
431	430	1

Keynote speaker Dr. Vishal Saraswat presenting the session

Keynote session 4

Topic-Adopting New Technologies to Avoid Covid 19 as an Effective Acceleration of Digital Health	Speaker (With designation): Dr. Ahmed A. Elngar Beni-Suef University, Egypt
Day-Saturday	Date: 6 /03/2021 Time: 2.00 PM -3.00 PM
Coordinators-Mrs. Sujata Powniker, Mr. Prashant Mahajan	Link: https://tinyurl.com/yq73k152

Abstract of the keynote Session –

Dr. Elngar explained Internet of Things (IoT), Network Security, Intrusion Detection, Machine Learning, Data Mining, Artificial Intelligence, Big Data, Authentication, Cryptology, Healthcare Systems, Automation Systems.

Dr. Elngar described many activities in community and the environment service.

As we know, the (Covid-19) pandemic spreads, technological applications are multiplying in an attempt to control the situation, treat patients in an effective way and facilitate the efforts of overworked healthcare workers, while developing new, effective vaccines. So, what we need to know is: how different technological domains are helping to fight against this pandemic disease by means of innovative applications.

Also, he has highlighted on the main legal and regulatory challenges, but also on the key ethical dilemmas that the various uses of these technologies pose when applied in a public-health emergency context such as the current one.

Total No of Participants	No of Indian Participants	No of International participants
212	210	2
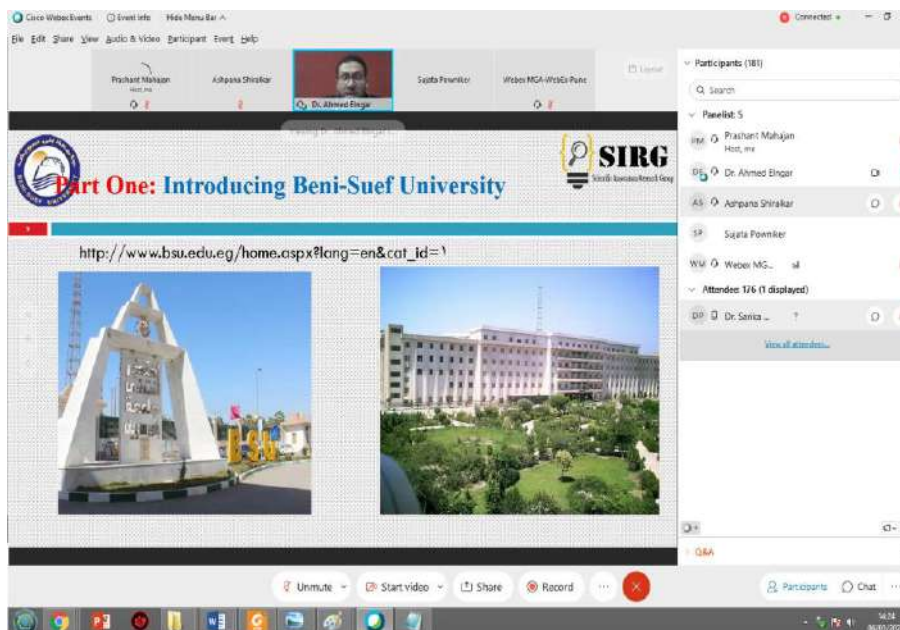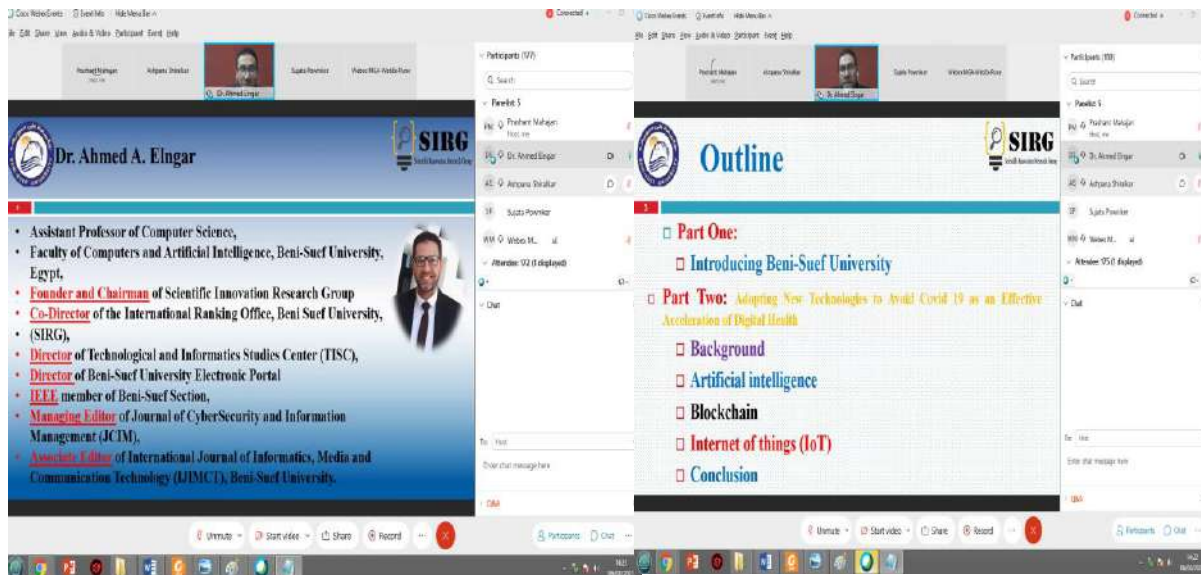
Keynote speaker Dr. Ahmed A. Elngar presenting the session

Keynote Session 5	
Topic-Recent Research Trends and Challenges in Image Recognition and Analysis	**Speaker (With designation):** Dr. Mohammad Alamgir Hossain, JAZAN UNIVERSITY, KSA
Day-Sunday	**Date:** 07/03/2021 **Time:** 12.00 NOON – 1.00 PM
Coordinators- Mr. Prashant Mahajan, Mrs. Sujata Powniker	**Link:** https://tinyurl.com/4ms9p3d5

***Abstract of keynote session** –*

Dr. Mohammad Alamgir Hossain explained recent trends and challenges in image recognition & analysis.

Several images of understanding phases, neural structure & automatic network engineering.

Sir has also described Artificial Intelligence, Machine Learning, Computer Data Security and Privacy, Computer Vision & Image Processing.

Artificial Intelligence algorithms are fed months of activity logs to achieve competence at identifying anomalies and threats. The information provided is used to set a base for normal performance and calculate and compare new occurrences using that. These patterns help the machine learning system to recognize a threat to the system.

Insights provided on medical image recognition, real and practical challenges of image recognition with AI.

Total No of Participants	No of Indian Participants	No of International participants
360	356	4

Keynote speaker Dr. Mohammad Alamgir Hossain *presenting the session*

Keynote Session 6	
Topic-Spider Monkey Optimization	**Speaker (With designation):** Dr. Jagdish Chand Bansal South Asian University New Delhi and Visiting Faculty at Liverpool Hope University UK
Day-Saturday	**Date: 0**6/03/2021 **Time:** 2.00 PM -3.00 PM
Coordinators-Mrs. Sujata Powniker, Mr. Prashant Mahajan**,**	**Link:** https ://tinyurl.com/4ms9p3d5

Abstract of Session/keynote/Special session/tutorial –

Dr. Jagdish Chand Bansal explained about swarm Intelligence and Nature Inspired Optimization Techniques.

Recently, he proposed a fission-fusion social structure-based optimization algorithm,

Spider Monkey Optimization (SMO).

He has described-

 fission fusion social structure

 fortifying FOTA in post quantum era.

Total No of Participants	No of Indian Participants	No of International participants
187	184	3
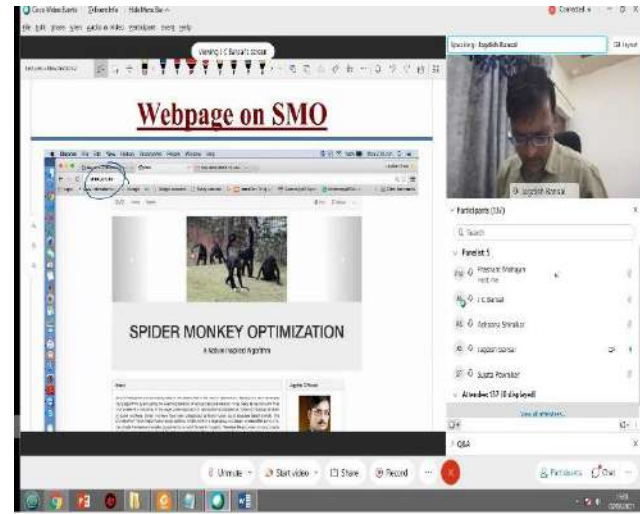
Keynote speaker Dr. Jagdish Chand Bansal presenting the session

Online Paper Presentation

Technical Oral Presentation Session -1

Track: Smart Computing

Name of Session Chair: Dr. Bangare Manoj, SKN COE, Pune

Dr. Chirag Paunwale, SCET Gujrat

Day-Friday

Date: 05/03/2021   **Time -**3pm- 5pm

Coordinator1: Ms. Shilpa Pimpalkar, Mr. Girish Navale

Link- https://tinyurl.com/43ojj9q7

Abstract of Session: 1

Total no of papers: 6

Paper id track: - 3, 204, 344, 353, 467,480

Total No of participants: 46

Total No of Presenter: - 6

Best Paper id: - 353

Title of paper: - Unsupervised Sentiment Classification of Twitter Data Using Emoticons

Name of presenter: - Savitha Hiremath

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
1	**Smart Computing**	353	Unsupervised Sentiment Classification of Twitter Data Using Emoticons	Savitha Hiremath
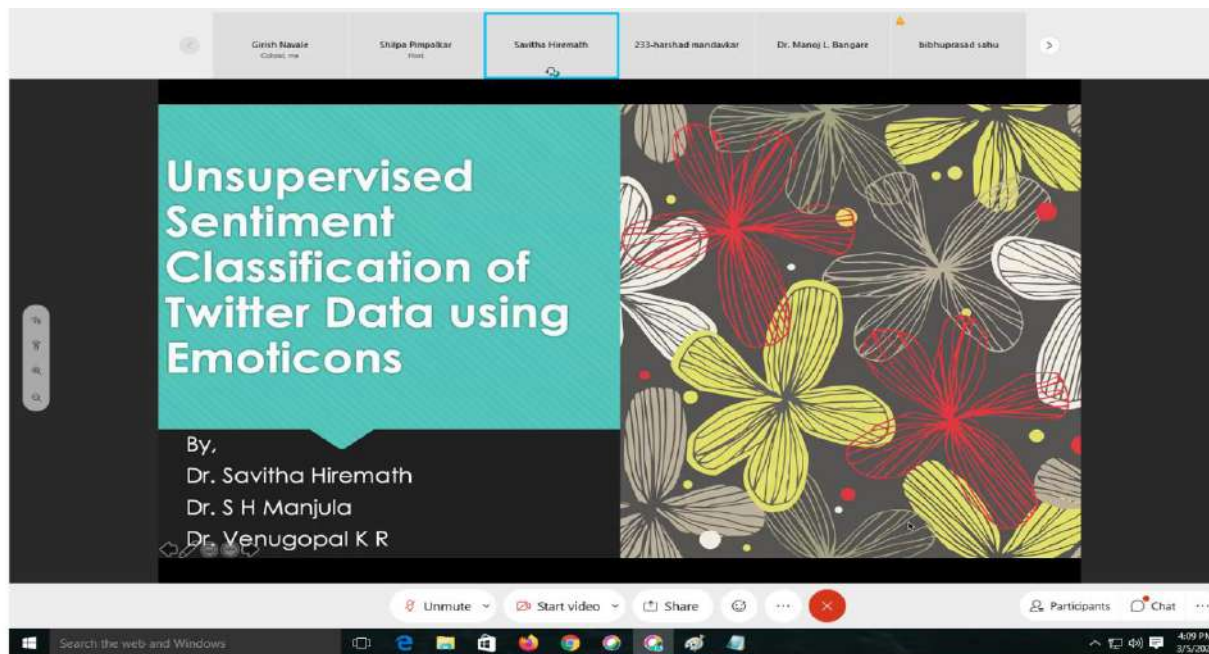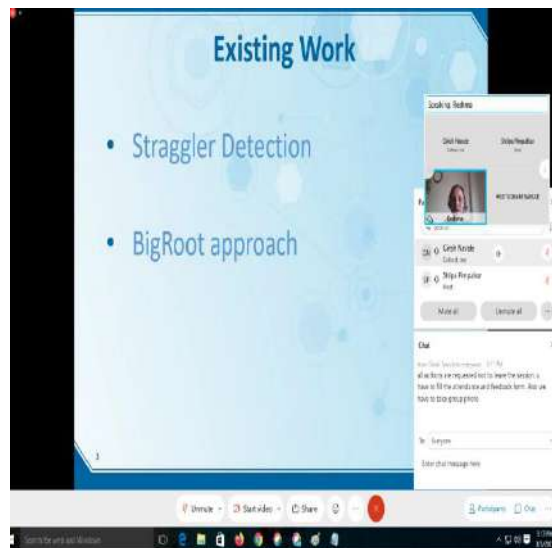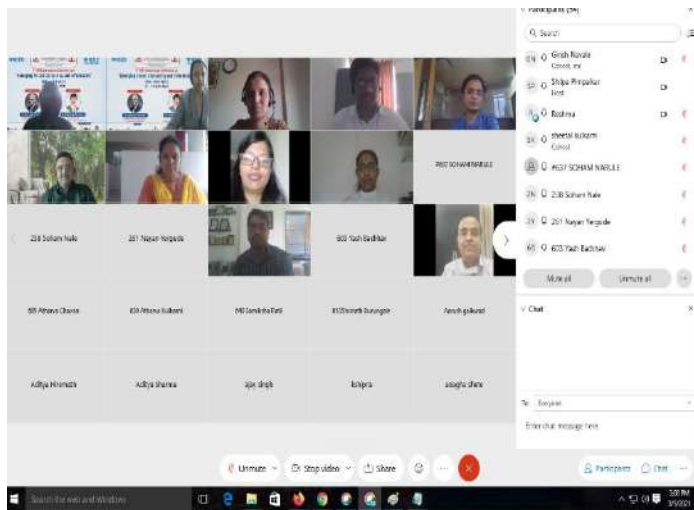
Participants at Technical Oral Presentation Session -1 presenting the paper

Technical Oral Presentation Session-2

Track: Soft Computing Session 2

Day- Friday
Coordinator1: Ms. M. A. Zope
Coordinator 2: Mr. P. S. Sadaphule

Name of Session Chair: Dr. Suhas Patil / Dr Nilima Dhumale
Date: 05/03/2021 **Time:** 3.00 PM to 5.00 PM
Link- https://tinyurl.com/4b6hsof4

Abstract of Session

Technical Oral Presentation session 2: Smart Computing

Session is coordinated by Ms. M. A. Zope and Mr. P. S. Sadaphule.
The external session chair 1. Dr. Suhas Patil and Dr. Nilima Dhumale.
Under this session out of 6 papers 5 papers were presented.

Total No of Presenter: 08 Total No of Attendees: 31

The details of the presented paper are as below-

142, Statistical and Machine Learning Approach to Study the Smoking Impact on Heart Rate Variability Features, Presenter SR Rathod
190, Machine Learning based Malaria Prediction using Clinical Findings, Presenter Samir Yadav
386, Development of Diabetes Diagnosis System with Artificial Neural Network and Open-Source Environment, Presenter Irfan Mujawar
392, Performance Comparison of Different EEG Analysis Techniques Based on Deep Learning Approaches, Presenter Swarali Belsare / Maitreyi Kale / Priya Ghayal / Aishwarya Gogate
488, Communication Device for the Visual and Hearing-Impaired Persons to convert Braille characters to English

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
2	Soft Computing	488	Communication Device for the Visual and Hearing-Impaired Persons to convert Braille characters to English	**Presenter:** Sruthi Ramachandran (another author 1.Niju Rajan 2.Pallavi K N)
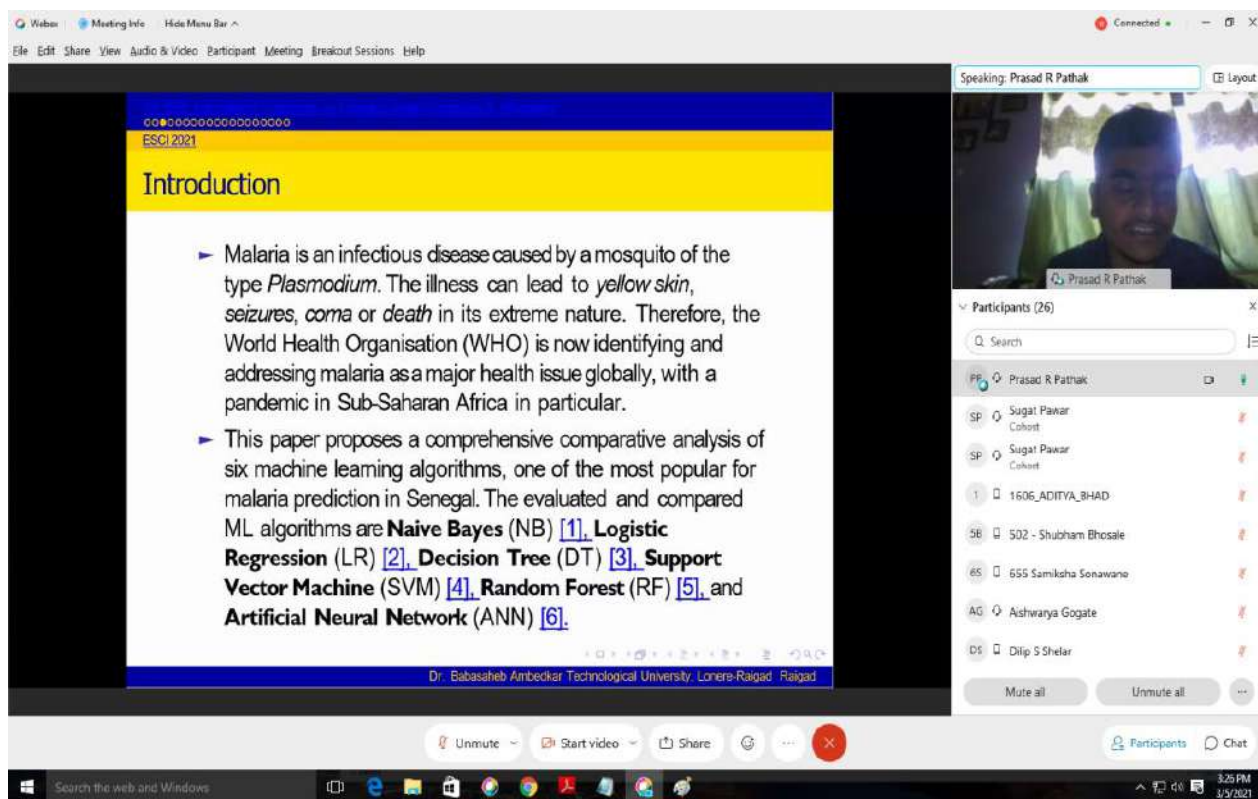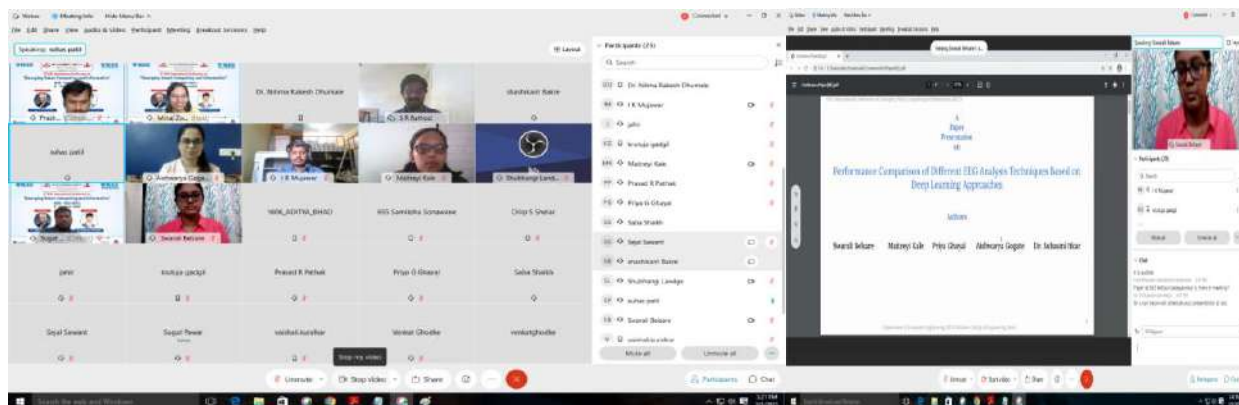
Participants at Technical Oral Presentation Session -2 presenting the paper

Technical Oral Presentation Session – 3

Track: Image & Signal Processing

Name of Session Chair: Dr. Neha Sharma
Dr. Manisha Dale

Day- Friday

Coordinator1: Mrs. M. P. Nerkar

Coordinator 2: Ms. Veena Bhende

Date: 05/03/21 **Time:** 3.00pm to 5.00pm

Link- https://tinyurl.com/4gng9jbs

Event number: 1841833017 **Event passwords:** ioit123

Abstract of Session: 3

Total Number of papers : 6

Paper Id in track : 50,96,179,186,360,378

Total Number of participants: 25

Total number of presenters : 09

Best Paper ID: 360
Title of the paper : Monitoring System using Social Distancing and Face Mask Detection on Surveillance videos
Name of presenter : Ruchita R Biradar , Rujula Singh R, Sahana Srinivasan

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
3	Image and Signal Processing	360	COVID-19 Monitoring System using Social Distancing and Face Mask Detection on Surveillance videos	Ruchita R Biradar , Rujula Singh R, Sahana Srinivasan
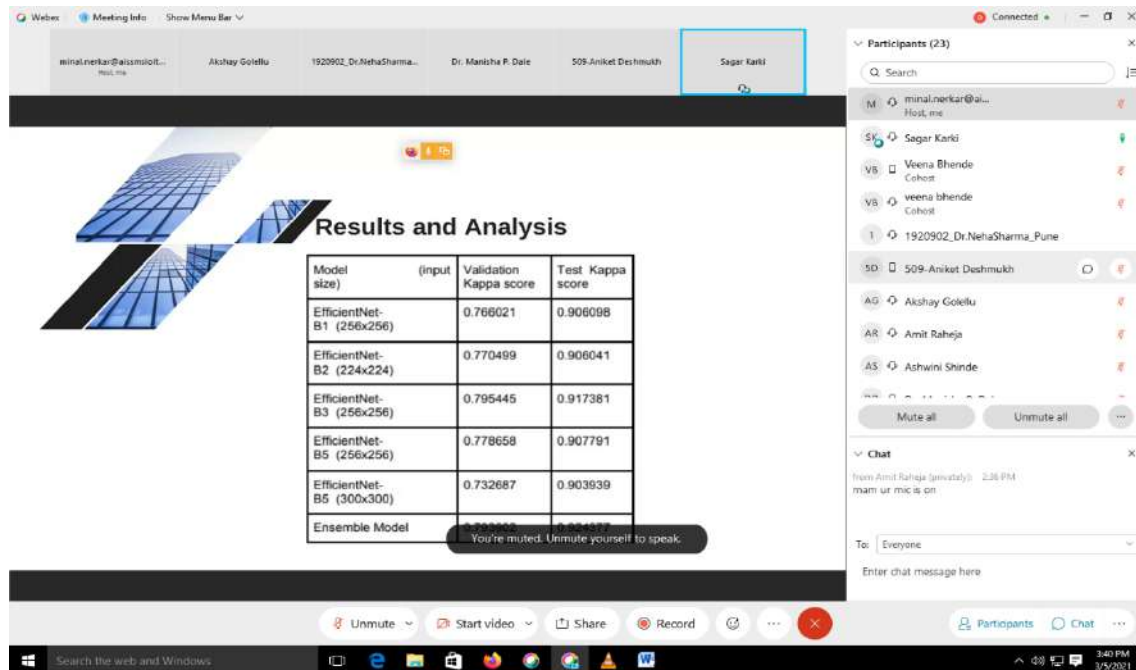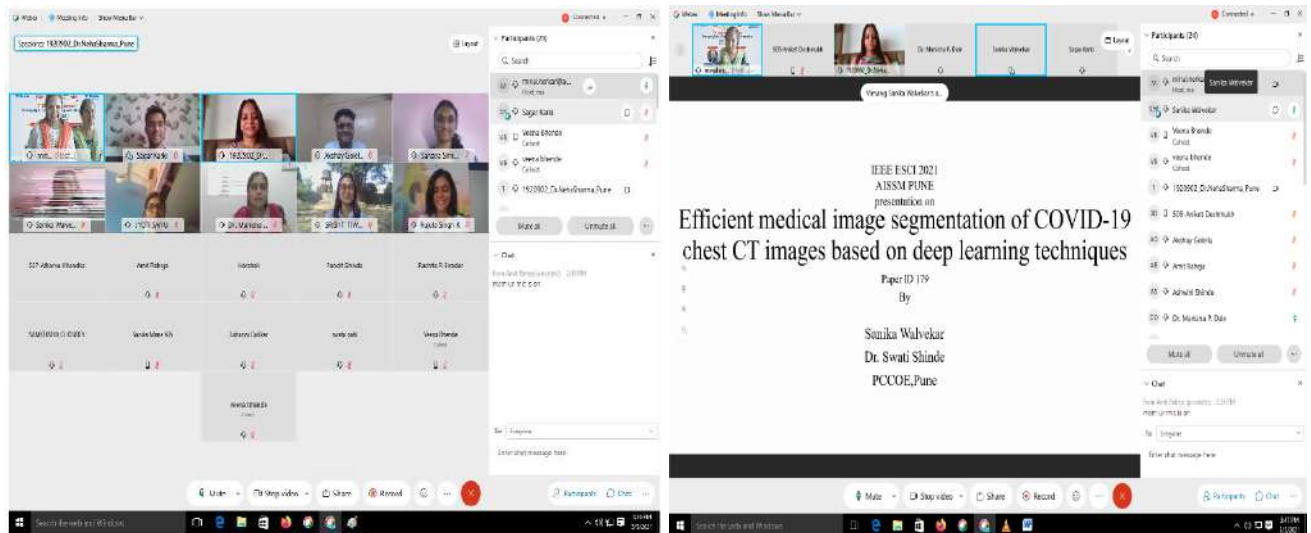
Participants at Technical Oral Presentation Session -3 presenting the paper

Technical Oral Presentation Session - 4

Track: IoT And Automation	**Name of Session Chair:** Dr. Dipali Ramdasi, CCOEW
	Prof. Mandar Khurjekar, IEEE Pune Section
Day-Friday	**Date:** 05/05/2021 **Time**: 03 pm to 05 pm
Coordinator1: Prajwal Gaikwad	**Link- Link:** **https://tinyurl.com/u4obq86f |**
Coordinator 2: Anuradha Varal	**Event number:** 1847659694 **| Event password:** ioit123

Abstract of Session/keynote/Special session/tutorial -

Total Number of papers are 6.

 Paper IDs in track are:21,118,213,271,291,352

Total number of participants are: 28

total number of presenters are: 06

Best Paper ID: 352

 Title of the Paper-"Hardware-Software co-implementation of a high performance and light- Montgomery based modified RSA for portable IoT devices".

Name of Presenter: Mr. Somnath Mondal.

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
4	IoT And Automation	352	Hardware-Software co-implementation of a high performance and light- Montgomery based modified RSA for portable IoT devices	Mr. Somnath Mondal
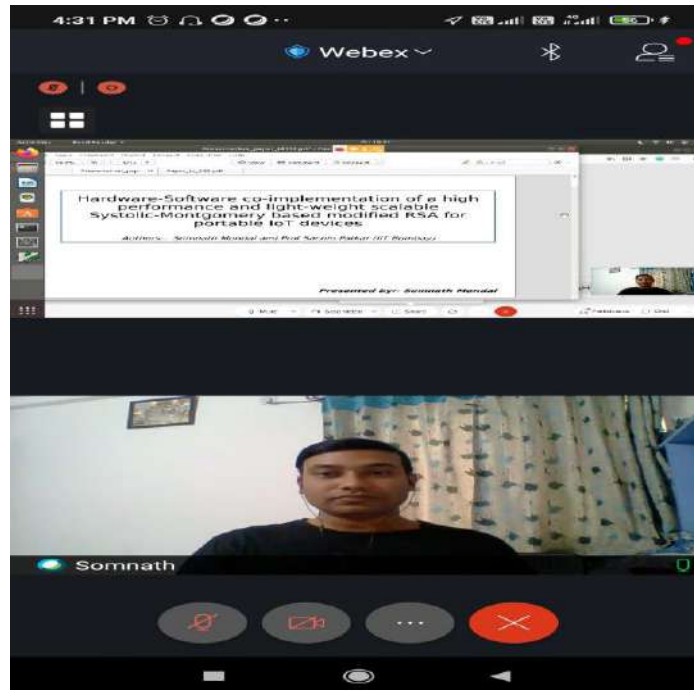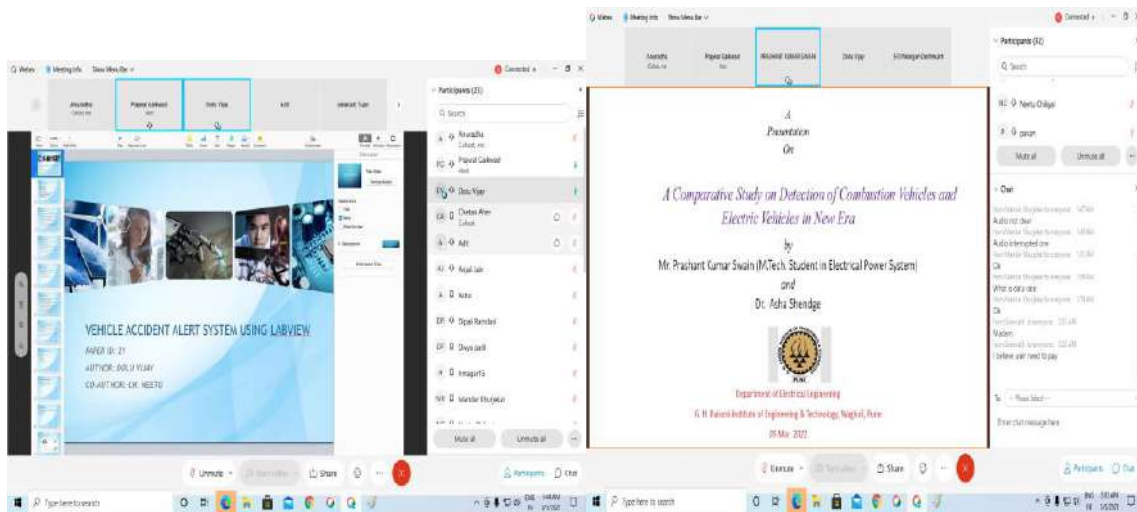
Participants at Technical Oral Presentation Session -4 presenting the paper

Technical Oral Presentation Session-5	
Track: Session 5 Smart Computing	**Name of Session Chair:**Dr. Shashank Joshi, BVDU Dr. Ashwini Sakpal, AIT, Pune
Day- Friday **Coordinator 1 :** Mrs. Archana G. Said **Coordinator 2: Ms.** Pradnya D. Bormane	**Date**- 05/03/2021 **Time:** 3:00 – 5:00PM **Link-** https://tinyurl.com/rl7zgrwd

Abstract of Session/keynote/Special session/tutorial -

Day 1 Session 5 is conducted from 3:00-5:00PM under the session track Smart Computing.

Dr. Shashank Joshi, BVPU, Pune and Dr. Ashwini Sakpal, AIT, Pune were the session chair.

Total 6 papers were presented by participants.

Presented Papers are as follows

Paper ID	Paper Title
14	Echo State Networks and existing paradigms for Stock Market Prediction
28	Financial Predictions Based On Fusion Models -A Systematic Review
48	Machine Learning Application for Black Friday Sales Prediction Framework
53	Analysis of Algorithmic Trading with Q-Learning in the forex Market
303	Improving Traditional Stock Market Prediction Algorithms Using Covid-19 Analysis
351	Anomaly Detection in Time Series Data of Sensex and Nifty50 With Keras

After each paper presentation session chair has given good suggestions as appreciation and also for improvement.

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
5	Smart Computing	303	Improving Traditional Stock Market Prediction Algorithms Using Covid-19 Analysis	Sanskriti Singhal, Rajni Jindal, Nikhil Bansal and Nitin Chawla
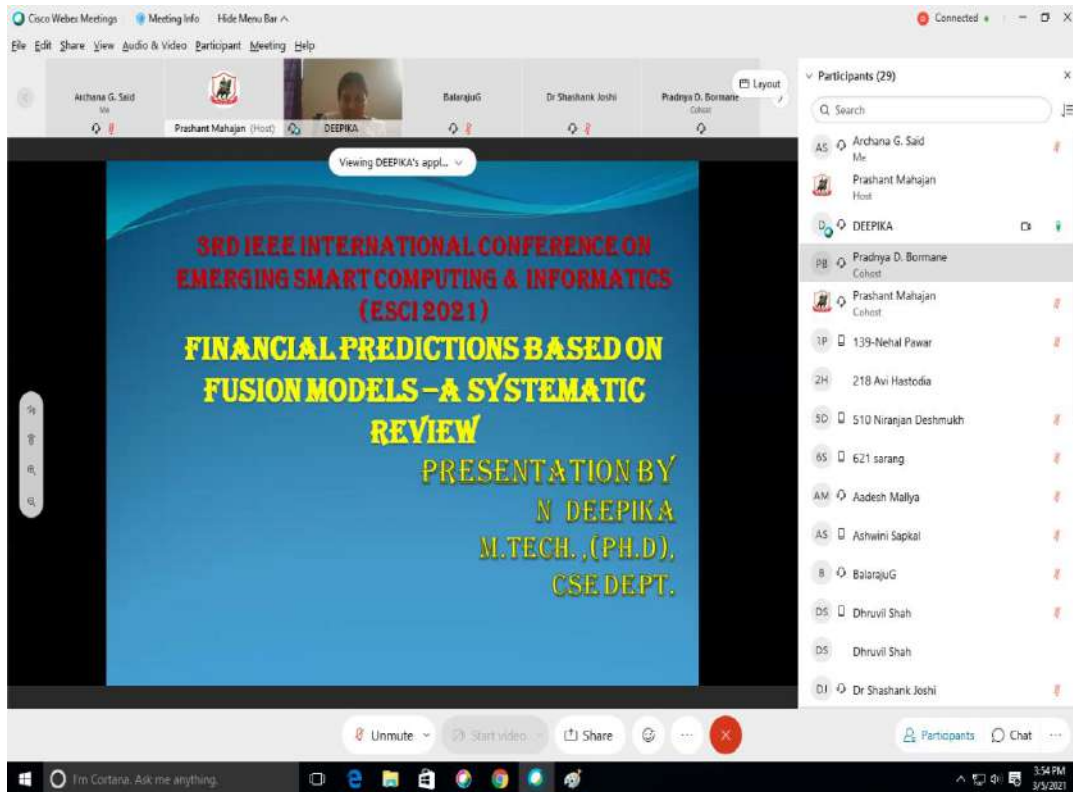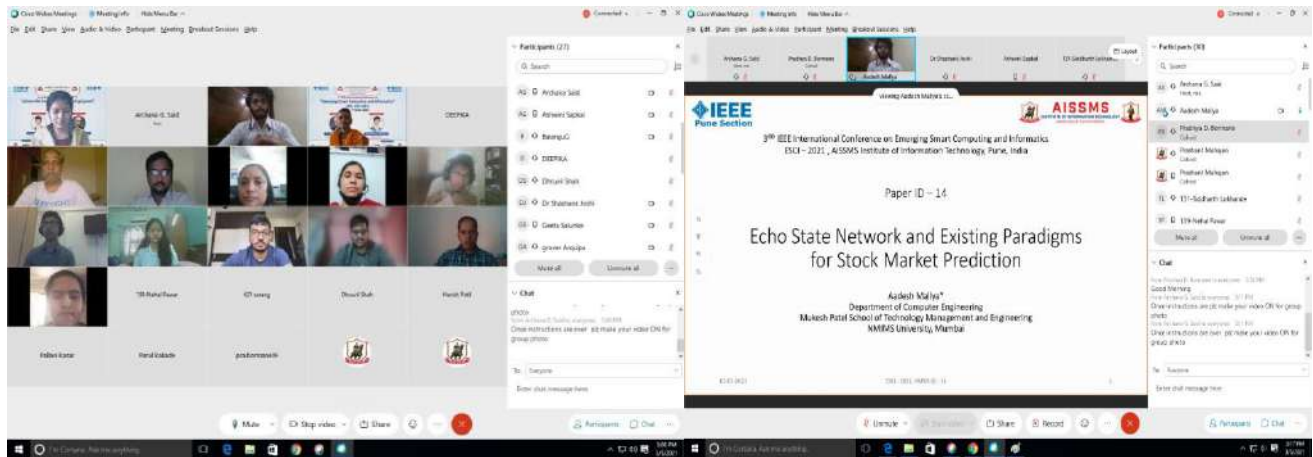
Participants at Technical Oral Presentation Session -5 presenting the paper

Technical Oral Presentation Session – 6	
Track: Smart Computing	**Name of Session Chair:** Dr. Mahajan Rupali, Dr. Shete Virendra
Day- Saturday	**Date:** 06/03/21 **Time:** 10:00am to 12:00 Noon
Coordinator1: Mr.S.M.Chaudhari. **Coordinator 2:**Mr.S.S.Shingare	**Link-** https://tinyurl.com/b28daywg **Event number:** 184 905 0154 **Event password**: ioit123

Abstract of Session: 6

Total Number of papers : 6

Paper Id in track : 37 ,55 , 145, 206 ,263, 385

Total Number of participants: 131

Total number of presenters : 06

Best Paper ID: 263

Title of the paper : PUBG Winner Ranking Prediction using R Interface 'h2o' Scalable Machine Learning Platform

Name of presenter : Yash Indulkar

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
6	Smart Computing	263	PUBG Winner Ranking Prediction using R Interface 'h2o' Scalable Machine Learning Platform.	Yash Indulkar
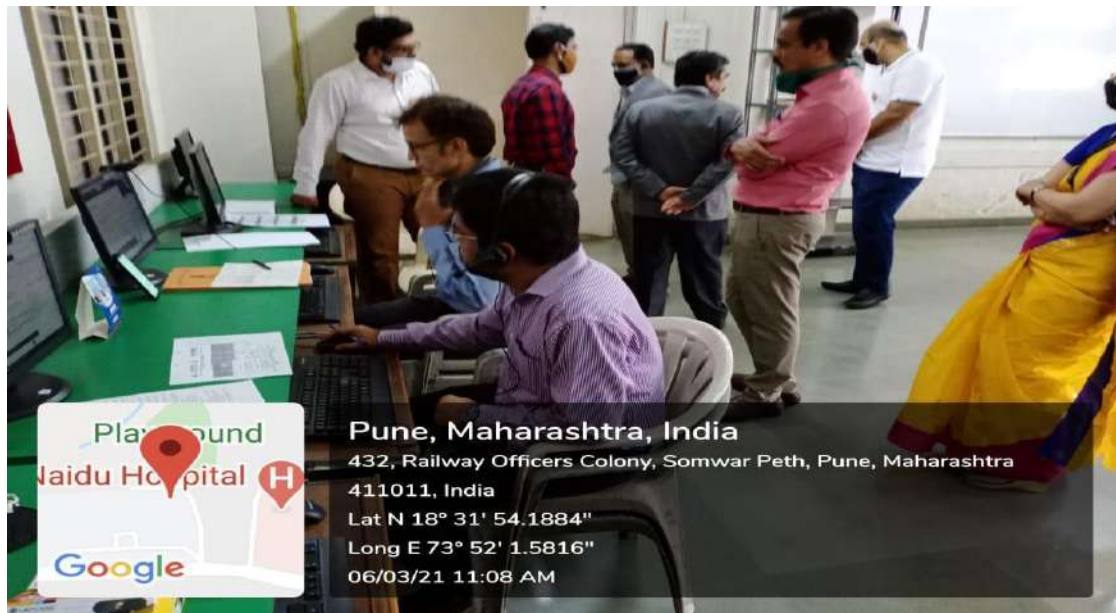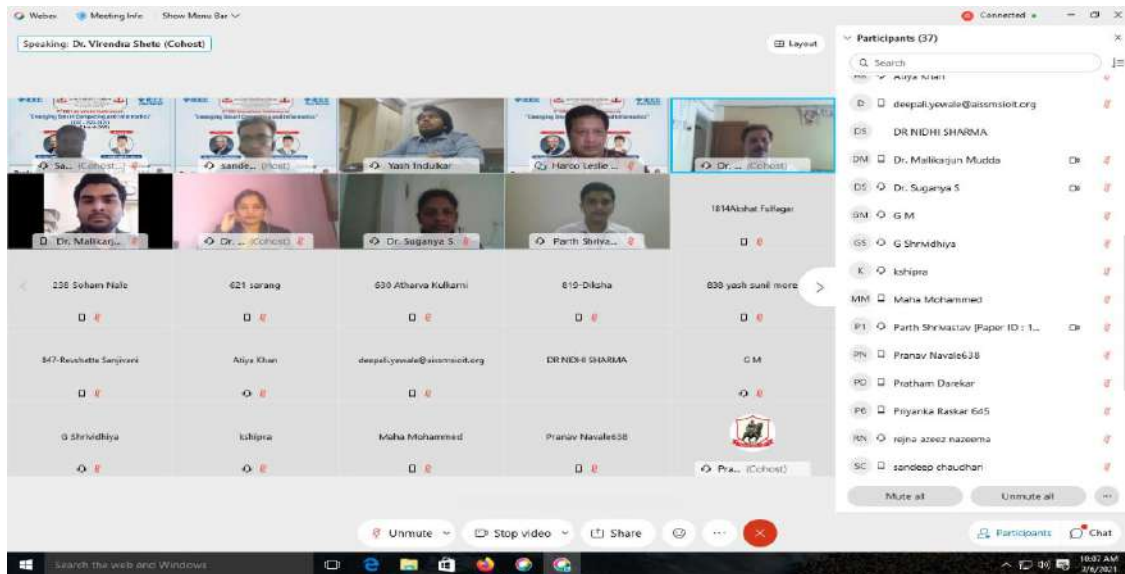
Participants at Technical Oral Presentation Session -6 presenting the paper

Technical Oral Presentation Session-7

Track: Smart Computing
Day- Saturday

Name of Session Chair: Dr. Sunil Somani
Date-06-03-2021   **Time** 10 am to 12 noon

Coordinator1: Mrs. S S Landge
Coordinator 2: Mrs. S M Shaikh

Link-http://tinyurl.com/3q2fzfcx

Abstract of Session: 7

Total no. of papers: 6
Total no. of papers presented: 5
Paper Id of non-presented paper: 98
Total number of participants: 34
Total number of presenters: 5
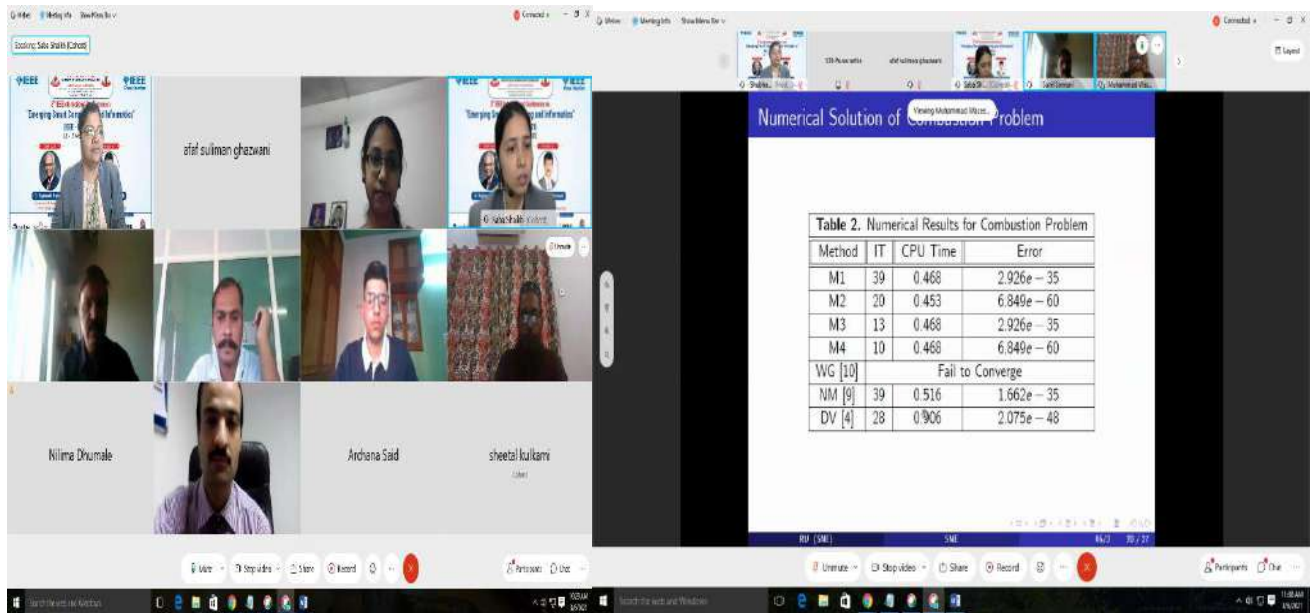
Best Paper ID: 396
Title of the paper: An efficient and secured Data sharing approach through Image Transmission.
Name of Presenter: Gagan Deep Singh.

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
7	Smart Computing	396	An efficient and secured data sharing approach through image transmission	Gagan Deep Singh

Participants at Technical Oral Presentation Session -7 presenting the paper

Technical Oral Presentation Session-8

Track: Image & Signal Processing	**Name of Session Chair:** Dr. Arati Vyavahare, PES Modern COE. Dr. Rajshree Jain, SICSR, Pune
Day - Saturday	**Date –** 06.03.2021 **Time:** 10.00 am to 12.00pm
Coordinator1: Mr. Vijaykumar Kamble **Coordinator 2:** Mr. Sandeep Raste	Link: https://tinyurl.com/bsttebr0 Event number:1848053285 Event Password: ioit123

Abstract of Session/keynote/Special session/tutorial -

Total Number of papers: 06

Paper Id in track: 93, 226, 249, 379, 394, 431

Total Number of participants: 21

Total number of presenters: 06

Best Paper ID: **394**

Title of the paper: Modified ZM-SPECK: -A low complexity and low memory wavelet imagecoder for

VS/IoT nodes

Name of presenter: **Yusra Meraj**.

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
08	Image & Signal Processing	394	Modified ZM-SPECK: -A lowcomplexity and low memory wavelet image coder for VS/IoT nodes	Yusra Meraj
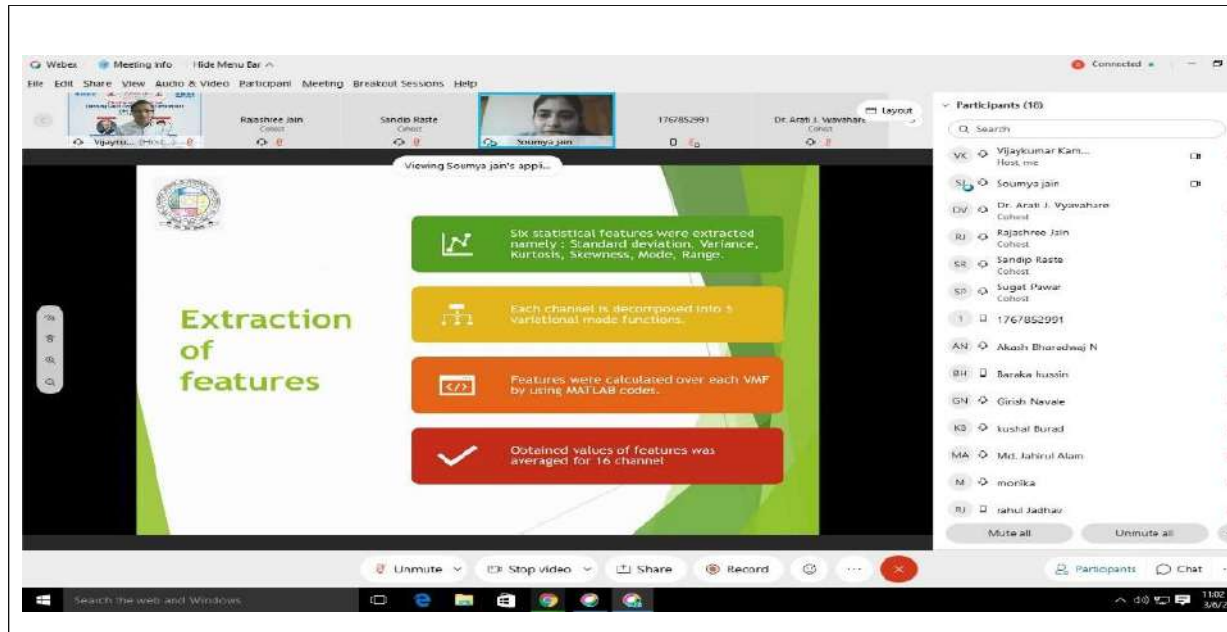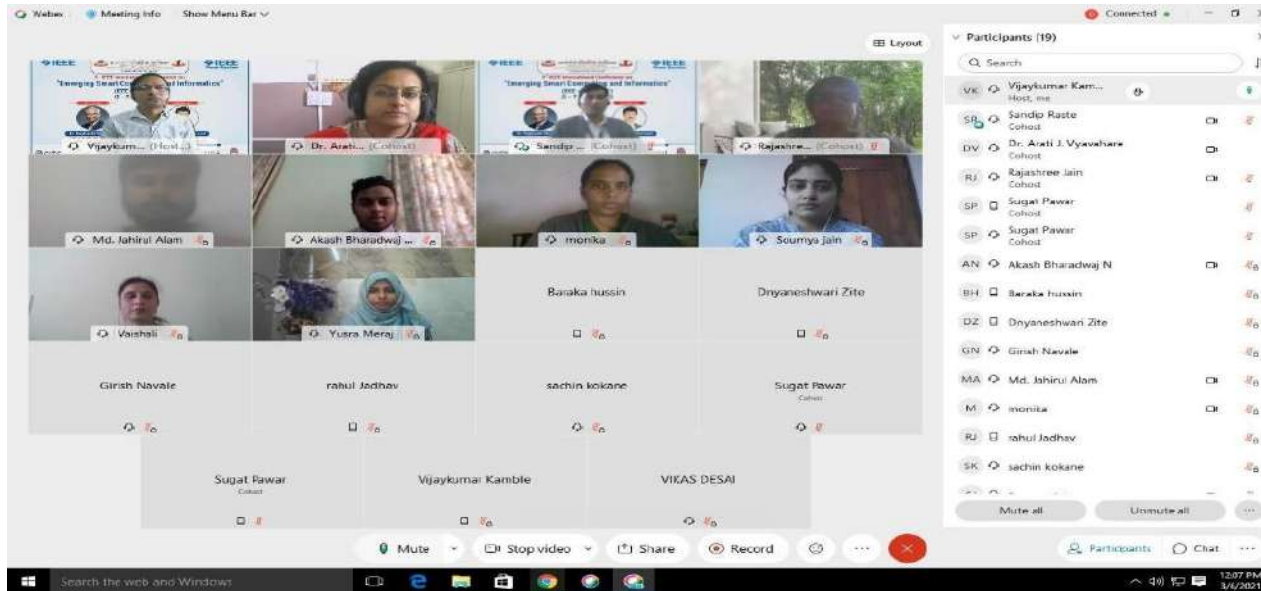
Participants at Technical Oral Presentation Session -8 presenting the paper

Technical Oral Presentation Session – 9

Track: Image & Signal Processing	**Name of Session Chair:** Dr. Ganesh Sable, MIT Aurangabad
Day- Saturday	**Date:** 06/03/21 **Time:** 10.00am to 12.00 noon
Coordinator1: Ms. Vaishali Kuralkar(Yewale**)**	**Link-**https://tinyurl.com/bsttebr0
Coordinator 2: Mr.Pokharkar Sagar	**Event number:** 1848053285 **Event passwords**: ioit123

Abstract of Session: 9

Total Number of papers : 6

Paper Id in track : 184,218,253,285,372,463

Total Number of participants: 28

Total number of presenters : 06

Best Paper ID: 184

Title of the paper : Multi-Digit Recognition using Image Processing and Neural Network

Name of presenter : Anway Shirgaonkar

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
9	Image and Signal Processing	184	Multi-Digit Recognition using Image Processing and Neural Network	Anway Shirgaonkar
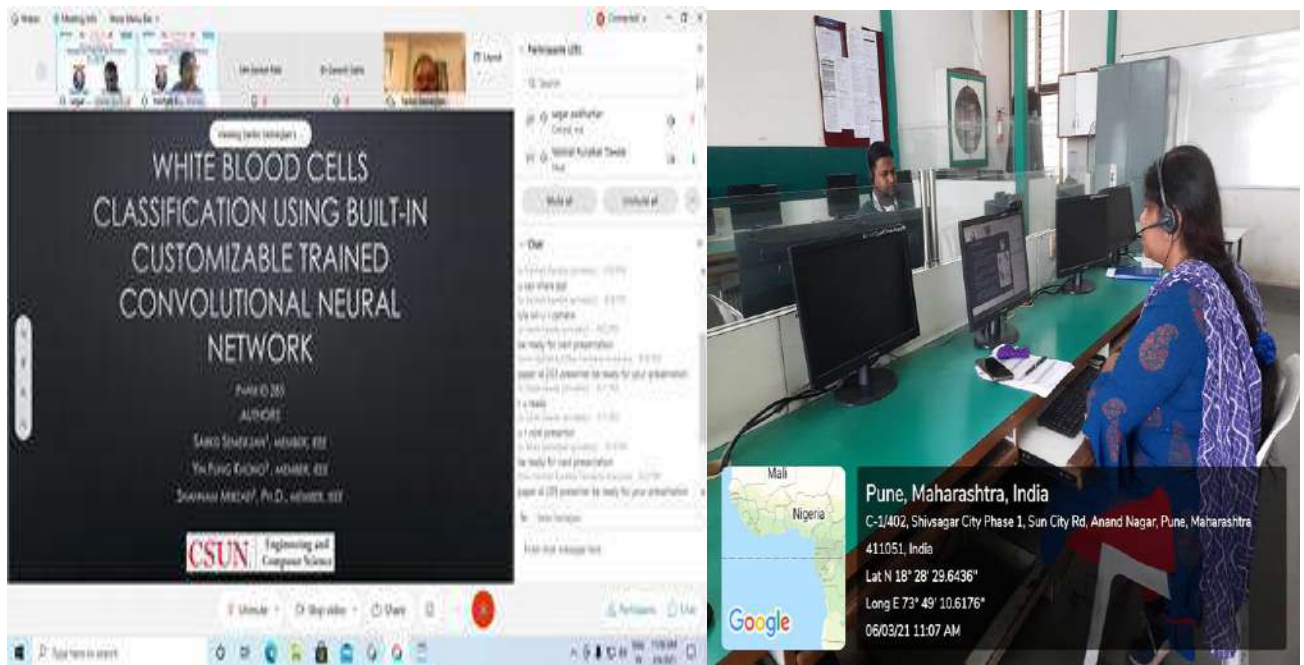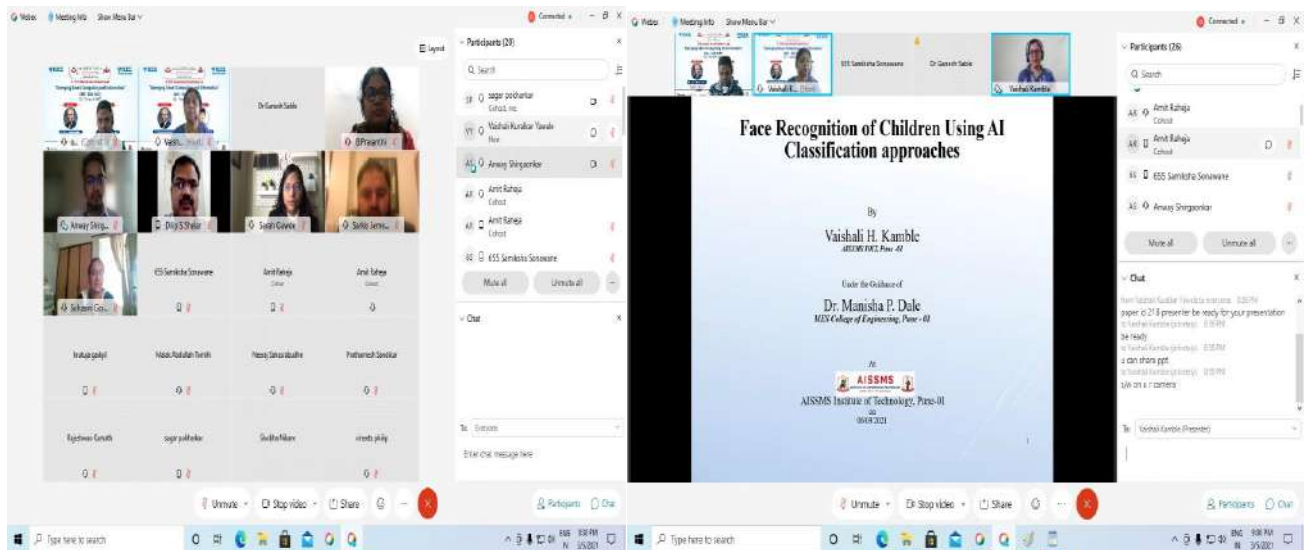
Participants at Technical Oral Presentation Session -9 presenting the paper

Technical Oral Presentation Session – 10

Track: IOT AND AUTOMATION | **Name of Session Chair**: Dr. Manisha Mhetre

Day- Saturday
Coordinator1: Mr. M. P. Gajare
Coordinator 2: Mr. N M Gaikwad

Date: 06/03/21 **Time:** 10.00 am to 12.00pm
Link-https://tinyurl.com/2557ecad
Event number: 1844239359 **Event passwords**: ioit123

Abstract of Session: 10

Total Number of papers : 6
Paper Id in track : 170,259,306,346,424, 429
Total Number of participants: 35
Total number of presenters : 07

Best Paper ID: 346

Title of the paper : Comparison of feeding techniques for EMCP array antenna
Name of presenter : Shilpa Nandedkar

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
10	IOT AND AUTOMATION	346	Comparison of feeding techniques for EMCP array antenna	Shilpa Nandedkar
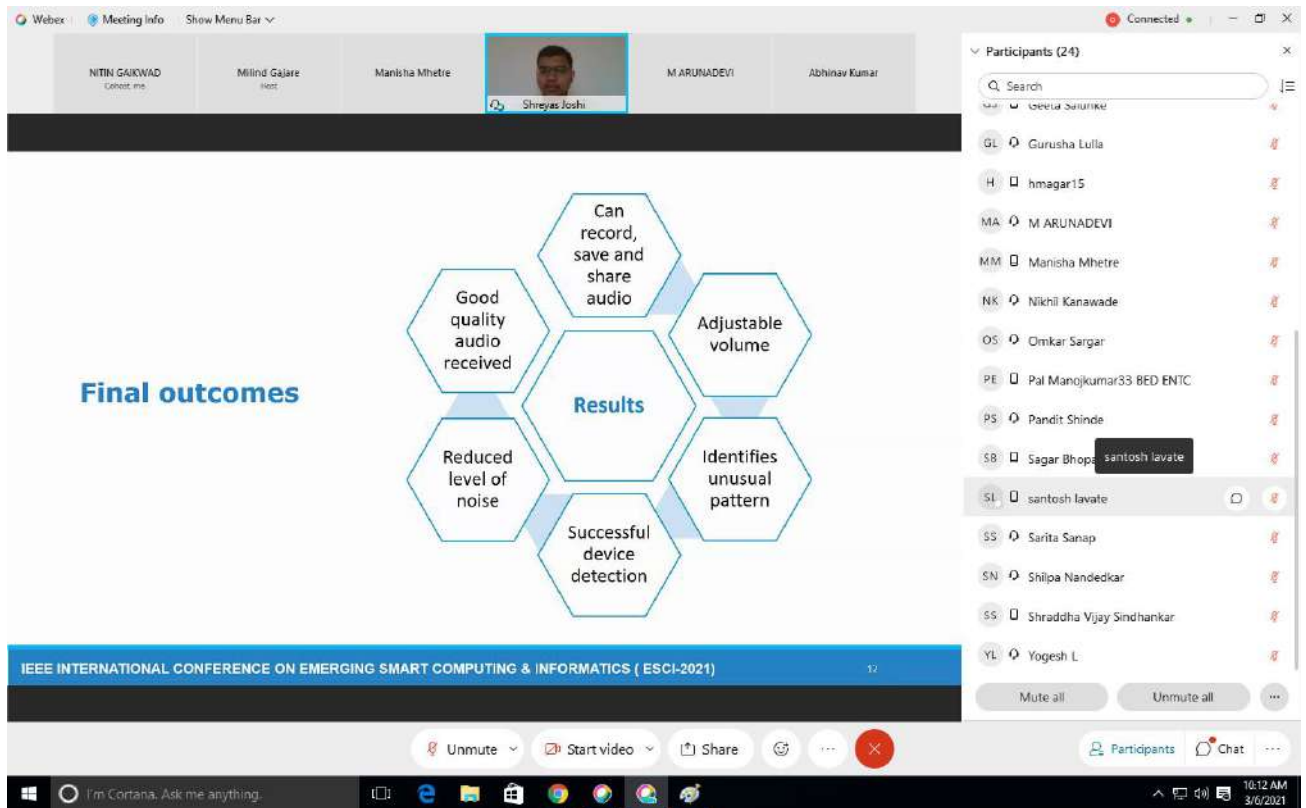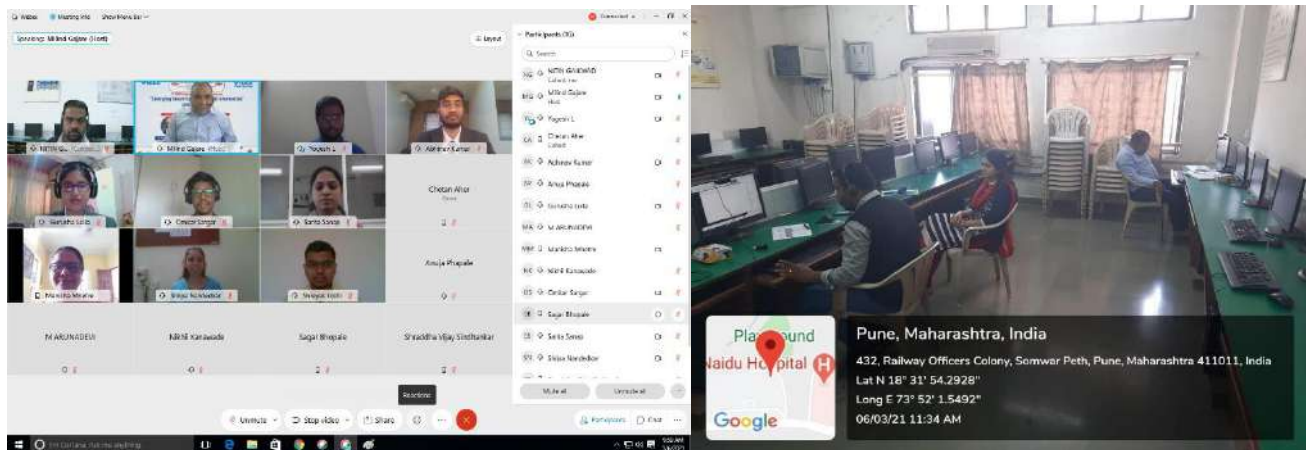
Participants at Technical Oral Presentation Session -10 presenting the paper

Technical Oral Presentation Session – 11

Track: Smart Computing

Name of Session Chair: Dr. Dhore Manikrao, VIT Pune

Day- Saturday
Coordinator1: Mr. Santosh Lavate
Coordinator 2: Mrs. Geeta Salunke

Date- 06/03/2021   **Time-** 3:00-5:00pm
Link- https://tinyurl.com/1lp6gkpm

Abstract of Session:11

Total No. of Papers: 6

Best Paper ID: 491

Title of Paper: An Efficient Resource Management Scheme for Smart Grid Using GBO Algorithm

Name of Presenter: AMLAN MOHANTY

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
11	Smart Computing	491	An Efficient Resource Management Scheme for Smart Grid Using GBO Algorithm	Amlan Mohanty

Participants at Technical Oral Presentation Session -11 presenting the paper

Technical Oral Presentation Session – 12

Track: Image & Signal Processing
Day- Saturday
Coordinator1: Mrs.Shobha Nikam
Coordinator 2: Mr.Sugat Pawar

Name of Session Chair: Dr. P. S. Deshpande
Date: 06/03/2021   **Time:** 3.00pm to 5.00pm
Link-https://tinyurl.com/2ue3lhdq
Event number: 1841833017 **Event passwords**: esci2021

Abstract of Session: 12

Total Number of papers : 6
Paper Id in track : 74, 337, 349, 404, 449, 471
Total Number of participants: 23
Total number of presenter : 07

Best Paper ID: 404
Title of the paper : Rough Set Based Contour Approximation From Flickering Depth Images
Name of presenter : Soma Banerjee.

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
12	Image and Signal Processing	404	Rough Set Based Contour Approximation From Flickering Depth Images	Soma Banerjee
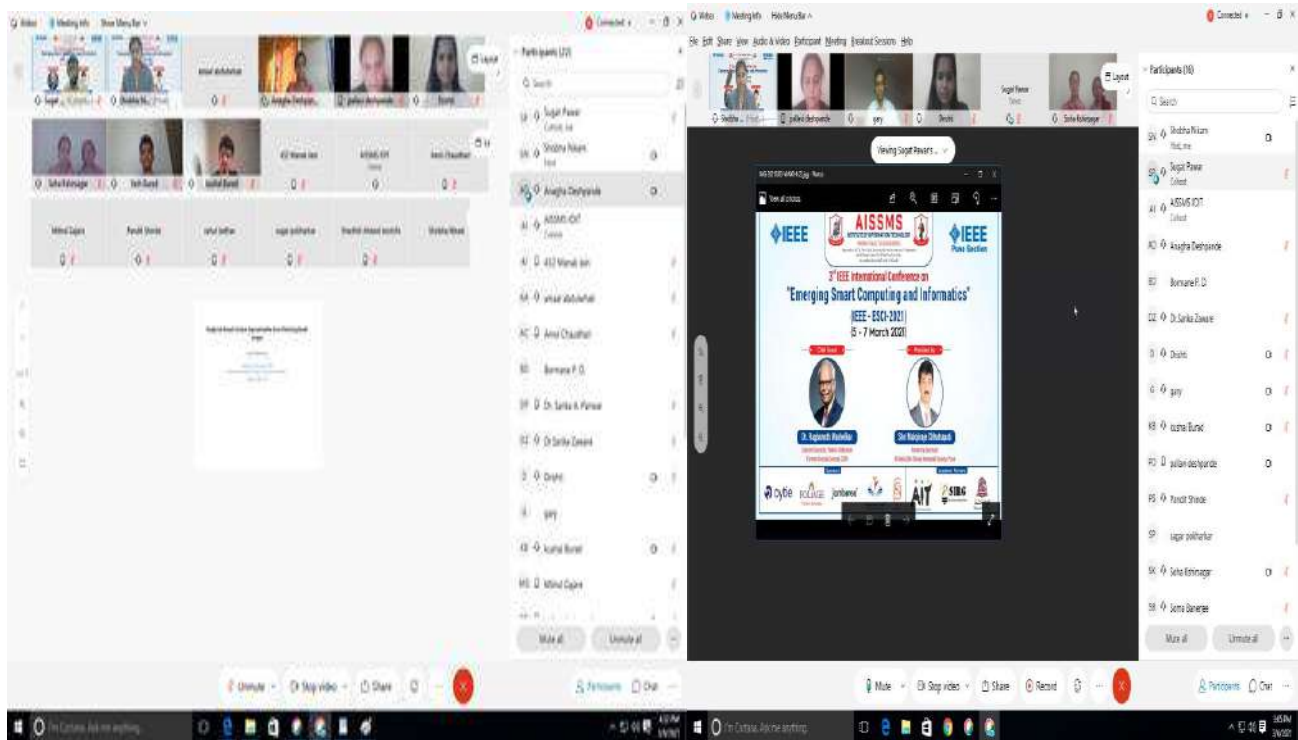
Participants at Technical Oral Presentation Session -12   presenting the paper

Technical Oral Presentation Session – 13

Track: Image & Signal Processing

Name of Session Chair: Dr. V.K.Harpale
Dr. Chethan K. S

Day- Saturday

Date: 06/03/21   **Time:** 3.00pm to 5.00pm

Coordinator1: Mr. Vikas Desai

Link- https://tinyurl.com/by7azyyq

Coordinator 2: Ms. Sweta Patil

Event number: 1847181351 **Event passwords**: ioit123

Abstract of Session: 13

Total Number of papers: 6

Paper Id in track: 34,49,70,106,157,192

Total Number of participants: 21

Total number of presenters: 06

Best Paper ID: 157

Title of the paper: Searching a Video Database using Natural Language Queries.Name of presenter: Kritika Kapoor, Shubha Manohar, Shrutiya M.

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
13	Image and Signal Processing	157	Searching a VideoDatabase using Natural LanguageQueries	Kritika KapoorShubha Manohar Shrutiya M

Participants at Technical Oral Presentation Session -13 presenting the paper

Technical Oral Presentation Session -14

Track: Iot and Automation	**Name of Session Chair:** Prof. Anjali Birajdar
Day-Saturday	**Date-**06/03/2021 **Time** 3.00 to 5.00pm
Coordinator1: Mrs.V.K. Patil	**Link-** https://tinyurl.com/5cqfwjjy
Coordinator 2: Mr.K.P.Pawar	

Abstract of Session/keynote/Special session/tutorial –

Paper ID Track – 155,219,328,139,451,482

Total no of Participants –23

Total no of Presenter –06

Best Paper id- 451

Title of Paper- Data-Driven linear Quadratic control scheme for Three Phase Micro grid system optimized by
By genetic Algorithm

Name of Presenter – Mr.Hassannul Karim

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
14	IOT and Automation	451	Data-Driven linear Quadratic control scheme for Three Phase Micro grid system optimized by genetic Algorithm.	Mr.Hassannul Karim
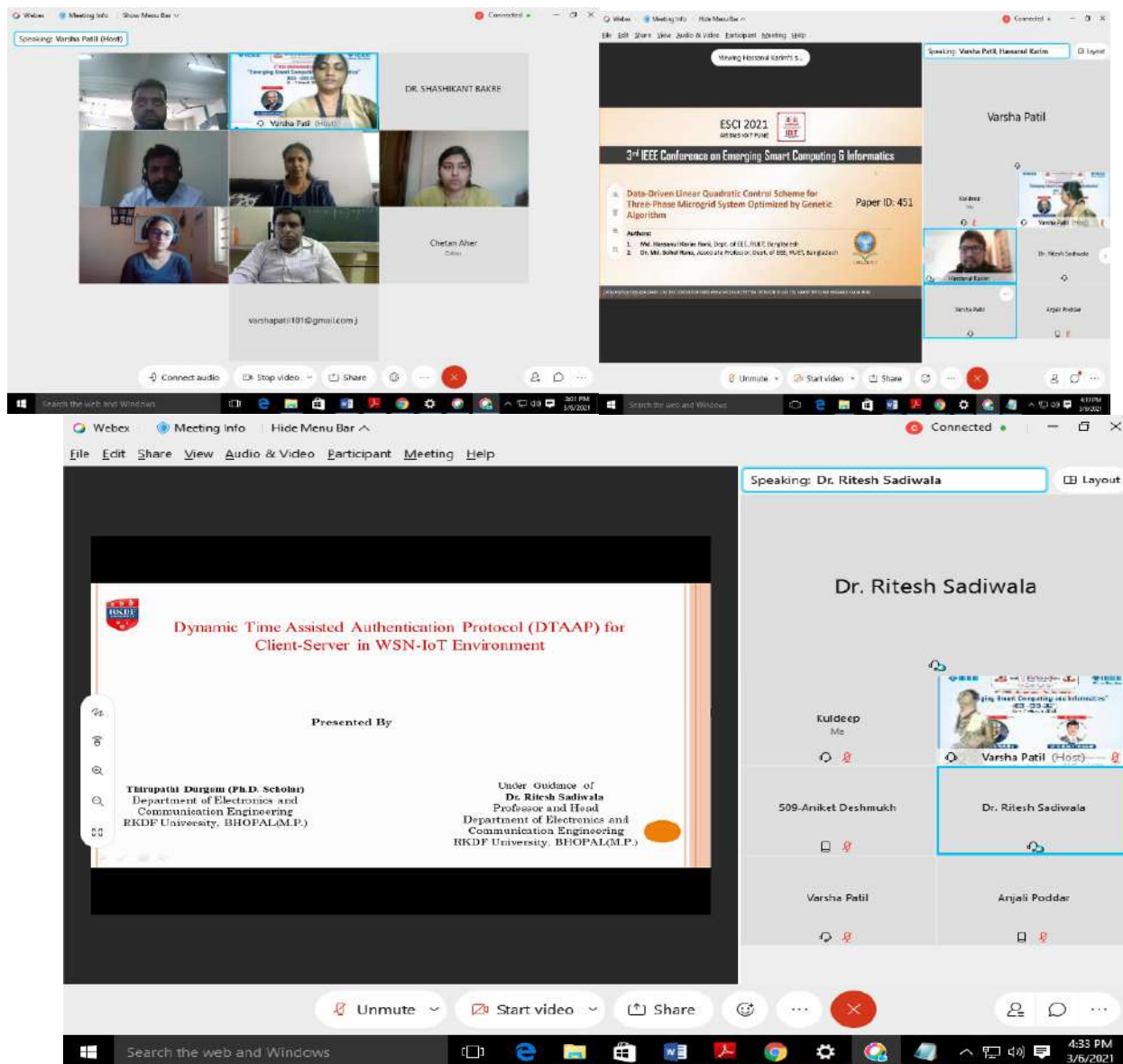
Participants at Technical Oral Presentation Session -14 presenting the paper

Technical Oral Presentation Session-15	
Track: Smart Computing	**Name of Session Chair:** Dr. Dipti Patil
Day- Saturday	**Date:** 06/03/2021 **Time:** 3:00 PM -5:00PM
Coordinator1: Mr. Sachin Kokane **Coordinator 2:** Mrs. Supriya Lohar	**Link:** https://tinyurl.com/5cqfwjjy

Abstract of Session/keynote/Special session/tutorial –

Abstract of Session: 15

Total Number of papers : 06
Paper Id in track : 13,36,47,90,240 and 280
Total Number of participants: 17
Total number of presenters : 06

Best Paper ID: 90
Title of the paper : An Effective Credit Scoring Model Implementation by Optimal Feature Selection Scheme.
Name of presenter : Mr. Sudanshu Ranjan Lenka

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
15	Smart Computing	90	An Effective Credit Scoring Model Implementation by Optimal Feature Selection Scheme.	Mr. Sudanshu Ranjan Lenka
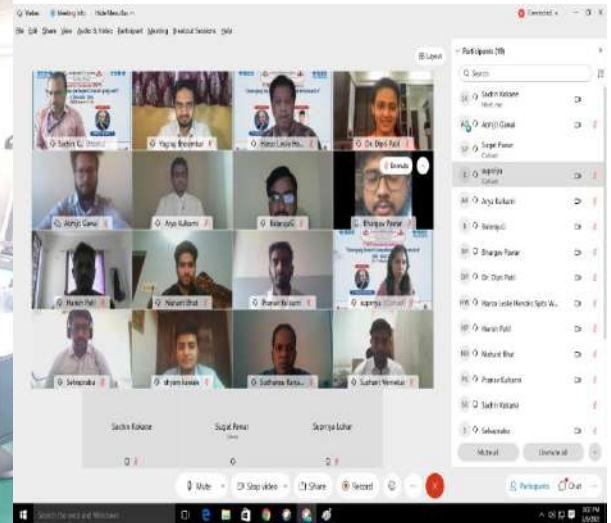
Participants at Technical Oral Presentation Session -15   presenting the paper

Technical Oral Presentation Session-16

Track: Smart Computing
Day-Saturday

Name of Session Chair: Dr. Joshi Ram
Date: -06/03/2021   **Time: -** 3.00 pm to 5.00pm

Coordinator1: Ms. Shobhika P. Gopnarayan
Coordinator 2: Mr. Chavan Vinayendra

Link- https://tinyurl.com/11qiqya5

Abstract of Session/keynote/Special session/tutorial - 16

Total Number of papers: 6

Paper id track: 16, 211, 229, 272, 276, 305

Total Number of Participants: 11Total

Number of Presenter: 09

Best Paper ID: 211

Title of the Paper: -FOFO: Fused Oversampling Framework by addressing outliers

Name of Presenter: Arghasree Banerjee

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
16	Smart Computing	211	FOFO: Fused Oversampling Frameworkby addressing outliers	Arghasree Banerjee

Participants at Technical Oral Presentation Session -16 presenting the paper

Technical Oral Presentation Session -17

Track: Smart Computing
Day-3-Sunday
Coordinator1: Anuja Phapale
Coordinator 2: Rasika Saste

Name of Session Chair: Dr D.K. Kamat Dr. Preeti Bailke
Date: 07/06/2021   **Time:** 10 am to 12pm
Link- https://tinyurl.com/1b72mbjr
Event Number: 1841526997   Event Password: ioit123

Abstract of Session/keynote/Special session/tutorial -

Total Number of Papers : 6

Paper id in Track: 133,244,264,333,340,389

Total Number of Participants: 41

Total Number of Presenter: 6

Best Paper id: 133

Title of the Paper: Analysis of User Learning Styles and Academic Emotions through Web Usage Mining

Name of presenter: Shashidhar Nagaral

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
17	Smart Computing	133	Analysis of User Learning Styles and Academic Emotions through Web Usage Mining	Shashidhar Nagaral

Participants at Technical Oral Presentation Session -17 presenting the paper
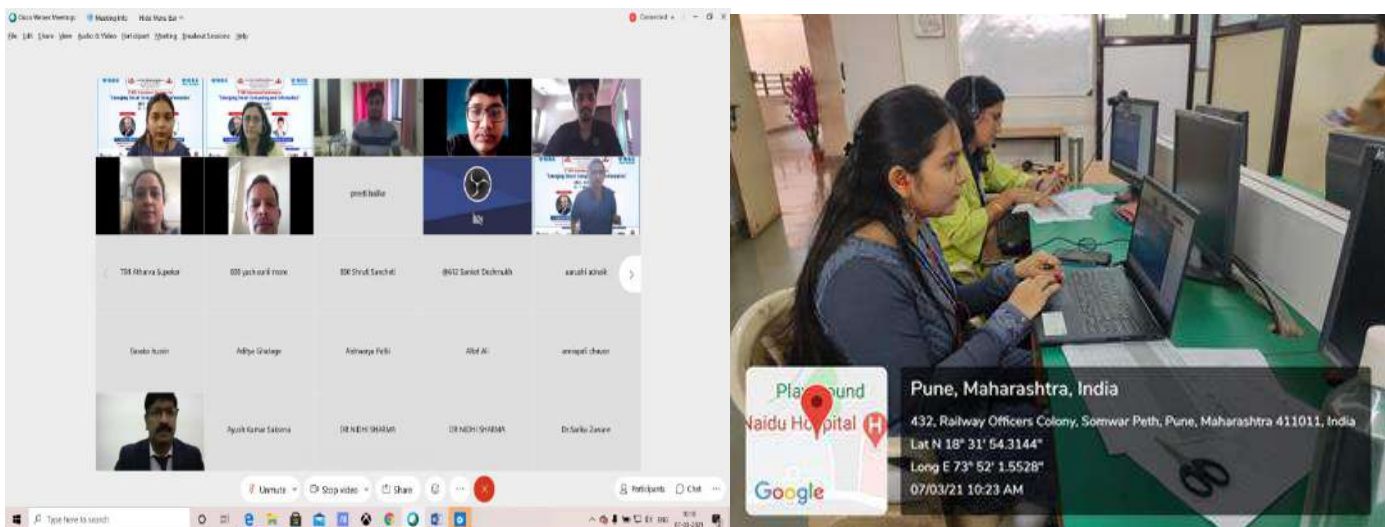
Technical Oral Presentation Session – 18

Track: Smart Computing

Name of Session Chair: Dr.Amar Buchade, IEEE Pune Section
Dr. S. S. Lokhande SCOE, Pune

Day- Saturday

Date: 07/03/21   **Time:** 10.00 AM to 12.00 NOON

Coordinator1: Ms. Pragati Mahale

Link-: https://tinyurl.com/4bfpbro5

Coordinator2: Mr. A.A.Chaudhari

Event number: : 184 286 2780 **Event password**: ioit123

Abstract of Session: 18

Total Number of papers : 5

Paper Id in track : 76,268,422,493,495

Total Number of participants: 22

Total number of presenter : 05

Best Paper ID: 493

Title of the paper : Compact C-Slot Microstrip –Fed Planer Antenna for Wireless Devices

Name of presenter : Dr. Jayashri Kulkarni

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
18	Smart Computing	493	Compact C-Slot Microstrip –Fed Planer Antenna for Wireless Devices	Dr. Jayashri Kulkarni

Participants at Technical Oral Presentation Session -18 presenting the paper

Technical Oral Presentation Session –19

Track: Image & Signal Processing	**Name of Session Chair:** Dr. ArchanaChougule
	Dr. JayshreePanasare
Day-3	**Date:** 07/03/21 **Time:** 10.00 AM TO 12.00 NOON
Coordinator1: Mrs. P.S.Jadhav	**Link-**https://tinyurl.com/2yrt9hw7
Coordinator 2: Dr. Badri Narayan Mohapatra	**Event number:** 1847951514**Event password**: ioit123

Abstract of Session: 19

Total Number of papers : 6

Paper Id in track : 104,131,138,146,282,458

Total Number of participants: 24

Total number of presenter :06

Best Paper ID: 104

Title of the paper :

1.Unsupervised Page Area Detection Approach for the Unconstrained Chronic Handwritten Modi Document Images

Name of presenter :

1.Manisha Deshmukh

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
19	Image and Signal Processing	104	Unsupervised Page Area Detection Approach for the Unconstrained Chronic Handwritten Modi Document Images.	Manisha Deshmukh

Participants at Technical Oral Presentation Session -19 presenting the paper

Special session 1	
Track: Special Session 1	**Name of Session Chair:** 1. Dr. Suhaib Ahmed
	2. Dr.Sparsh Sharma
Day- Friday	**Date –** 05/03/2021 **Time: 3:00 to 5:00 pm**
Coordinator1: Mrs. Neha Patil	**Link-** https://tinyurl.com/yxm6ocol
Coordinator 2: Mrs.Pradnya Gulhane	

Abstract of Special Session-1

Total no of papers: 8

Paper Id in track: SAB01,02,08,,12,16,26,28,32

Total Number of Participants: 32

Total Number of Presenter: 07

Best paper ID : SAB01

Title of the paper: Design of Area Efficient Shift Register and Scan Flip-Flop based on QCA   Technology

Name of Presenter: Dr. D.Ajitha

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
Special Session 1	Special Session 1	SAB 01	Design of Area Efficient Shift Register and Scan Flip-Flop based on QCA Technology.	Dr. D.Ajitha
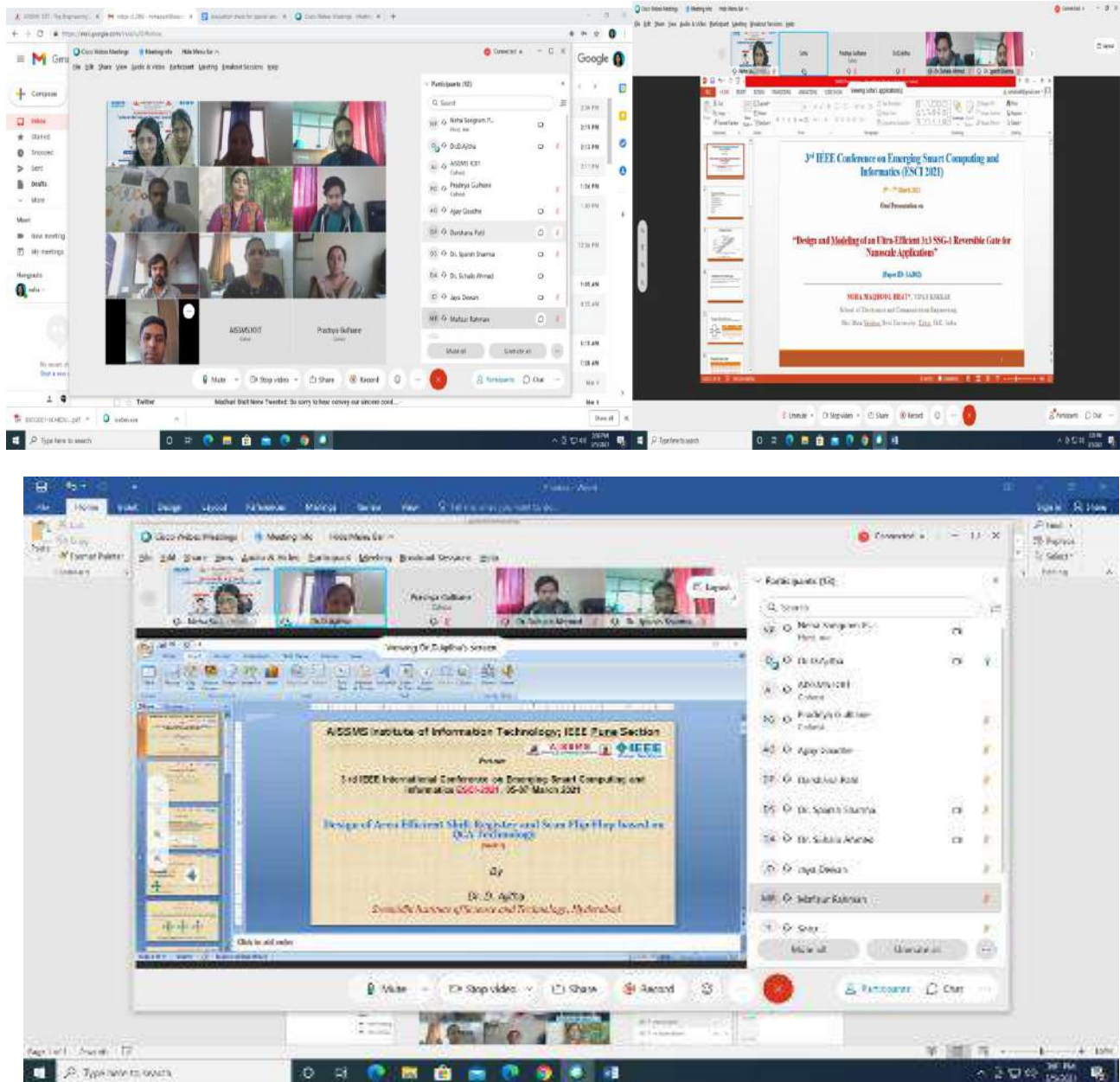
Participants at Special Session -1 presenting the paper

Special session 2	
Track: IoT (Internet of Things) Research & Innovations	**Name of Session Chair:** Dr. Rajesh Kumar Kaushal, Chitkara University, Rajpura Punjab
Day-Saturday **Coordinator1:** Amrapali Chavan **Coordinator 2:** Shashikant Kale	**Date-**06/03/2021 **Time:**09 am to 12 pm **Link:** https://tinyurl.com/52mswgq3 **Event number:**1844225471 **| Event password:** esci2021

Abstract of Session/keynote/Special session/tutorial -

Total Number of papers are 6.

 Paper IDs in track are:RK01, Rk02, RK04, RK06, RK08, RK12

Total number of participants are: 14

total number of presenters are: 06

Best Paper ID: RK06

 Title of the Paper-"Recognition of Children Punjabi Speech using Tonal Non-Tonal Classifier".

Name of Presenter: Taniya Hasija.

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
2	special session2	RK06	Recognition of Children Punjabi Speech using Tonal Non-Tonal Classifier	Taniya Hasija
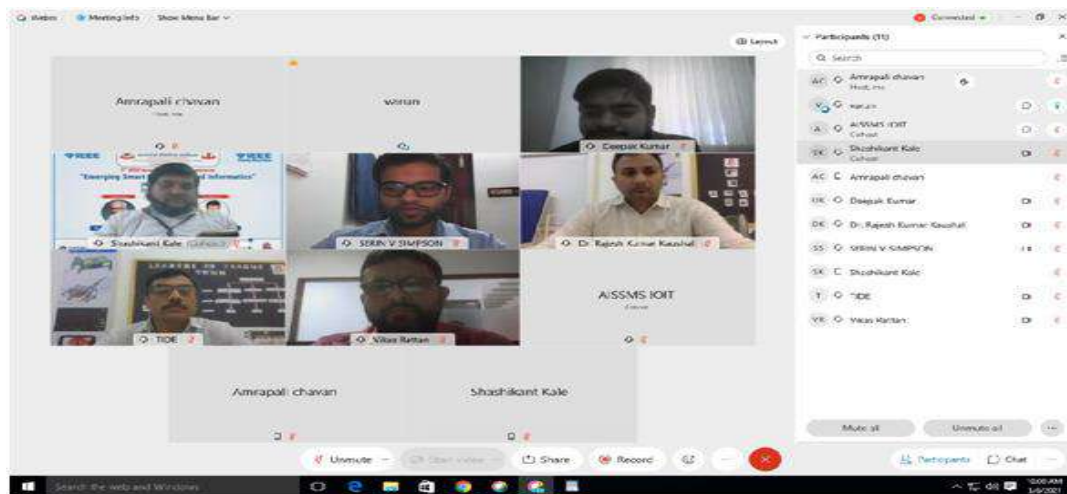
Participants at Special Session -2 presenting the paper

Special Session -3	
Track: Smart Computing	**Name of Session Chair:** Dr. Saikumar Tara
Day- Saturday	**Date:** 06/03/21 **Time:** 3.00pm to 5.00pm
Coordinator1: Mr. Pritesh A Patil	**Link-**https://tinyurl.com/4gng9jbs
Coordinator 2: Mrs. M. B. Thorat	**Event number:** 1841833017 **Event password**: ioit123

Abstract of Session: 3

Total Number of papers : 6

Paper Id in track : ST01, ST03, ST05, ST08, ST20, SS14

Total Number of participants: 22

Total number of presenter : ST05

Best Paper ID: 360

Title of the paper : Detection of Epileptic Seizures using Convolutional Neural Network

Name of presenter : Dr. Surabhi Gupta, Neeraj Mohan, Sameer Mutafa

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
Special Session 3	Smart Computing	ST05	Detection of Epileptic Seizures using Convolutional Neural Network.	Dr. Surabhi Gupta

Participants at Special Session -3 presenting the paper

Special session-4	
Track: Special session 4	**Name of Session Chair:** Dr. P. A. Harsha Vardhini
Day-Sunday	**Date:** 07/03/2021 **Time:** 10:00am to 12:00 noon
Coordinator1: Dr. Sanjay L. Kurkute	**Link:**https://tinyurl.com/238art5v|
Coordinator 2: Mr. C. K. Bhange	**Eventnumber:**1847696414**|Eventpassword:**esci2021|

Abstract of Session/keynote/Special session/tutorial -

Total Number of papers : 8

Paper Id in track : PH 02, PH-04, PH07, PH-08, PH 13, PH 19, PH 21, PH 22

Total Number of participants: 16

Total number of presenter : 8

Best Paper ID: PH 08

Title of the paper : Hexagonal Shaped Micro-strip Patch Antenna Design using CST Microwave Studio

Name of presenter : Dr. V. Prakasam

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
4	Special session 4	PH 08	Hexagonal Shaped Micro-strip Patch Antenna Design using CST Microwave Studio	Dr. V. Prakasam

3 Photos
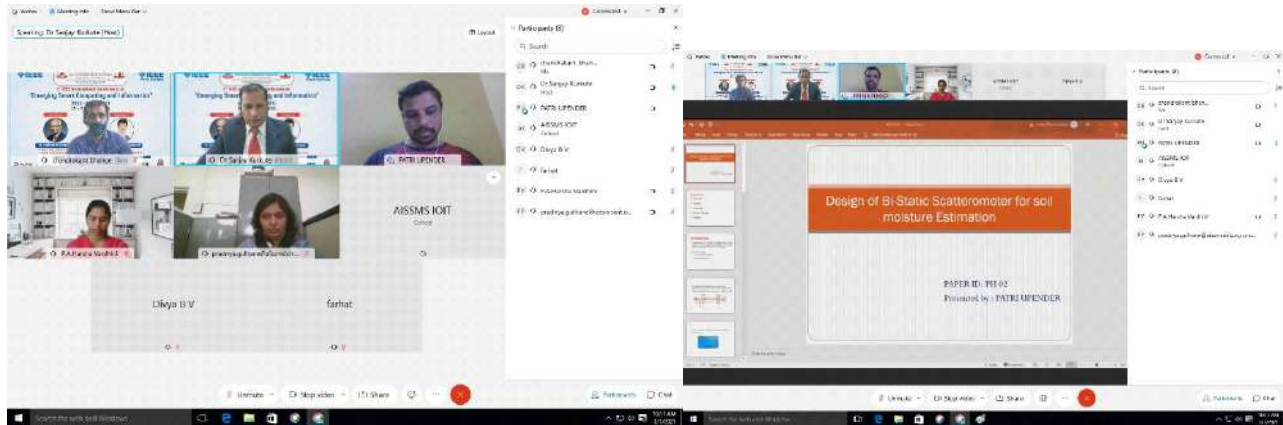
Participants at Special Session -4 presenting the paper

Special Session 05

Track-Special Session 05	**Name of Session Chair:** Dr. Ahmed A. Elngar Beni –Suef University Egypt
Day-Sunday	**Date:** 07/05/2021 **Time:** 10 am to 12 pm
Coordinator1: Anuradha Varal	**Link- Link: https://tinyurl.com/u4obq86f**
Coordinator 2: Shashikant Kale	**Event number: 1**847659694 **Event password:** ioit123

Abstract of Session/keynote/Special session/tutorial -

Total Number of papers are 8.

 Paper IDs in track are: SAP11, SAP12, TD04, SNP03, AE04, AK07, AE05, AE10
Total number of participants are: 24
total number of presenters are: 10

Best Paper ID: TD04
 Title of the Paper-" Categorization of diabetic retinopathy and identification of characteristics to assist effective dia ".
Name of Presenter: Jenell Mathias, Simran Gadkari, Merlin Payapilly

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
05	Special Session 05	TD04	Categorization of diabetic retinopathy and identification of characteristics to assist effective dia	Jenell Mathias, Simran Gadkari, Merlin Payapilly
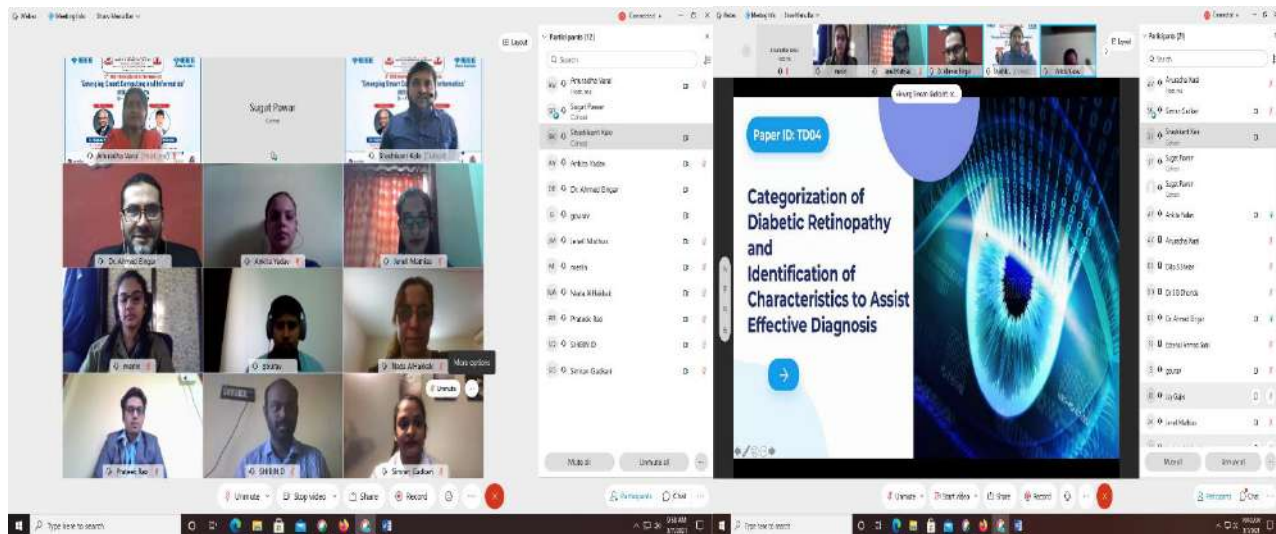
Participants at Special Session -5 presenting the paper

Special Session 06

Track: Special Session 06	**Name of Session Chair:** Dr. E. B Priyanka Dr. Akhil Gupta
Day- Sunday	**Date**: 06/03/21 **Time:** 3.00pm to 5.00pm
Coordinator1: Mr.Vikas Desai **Coordinator 2:** Ms. Sweta Patil	**Link-**https://tinyurl.com/j02f8jcg **Event number:** 1842747280 **Event password**: ioit123

Abstract of Special Session: 06

Total Number of papers: 07
Paper Id in track: EP05, EP12, EP14, AG9, AKG01, SAB28, 98
Total Number of participants: 27
Total number of presenter: 07

Best Paper ID: EP14
Title of the paper: Real Time Performance Analysis Of Temperature Process Using Continuous Stirred Tank Reactor
Name of presenter: Bharathi Priya P

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
6	Special Session 6	EP14	Real Time Performance Analysis Of Temperature Process Using Continuous StirredTank Reactor	Bharathi Priya P
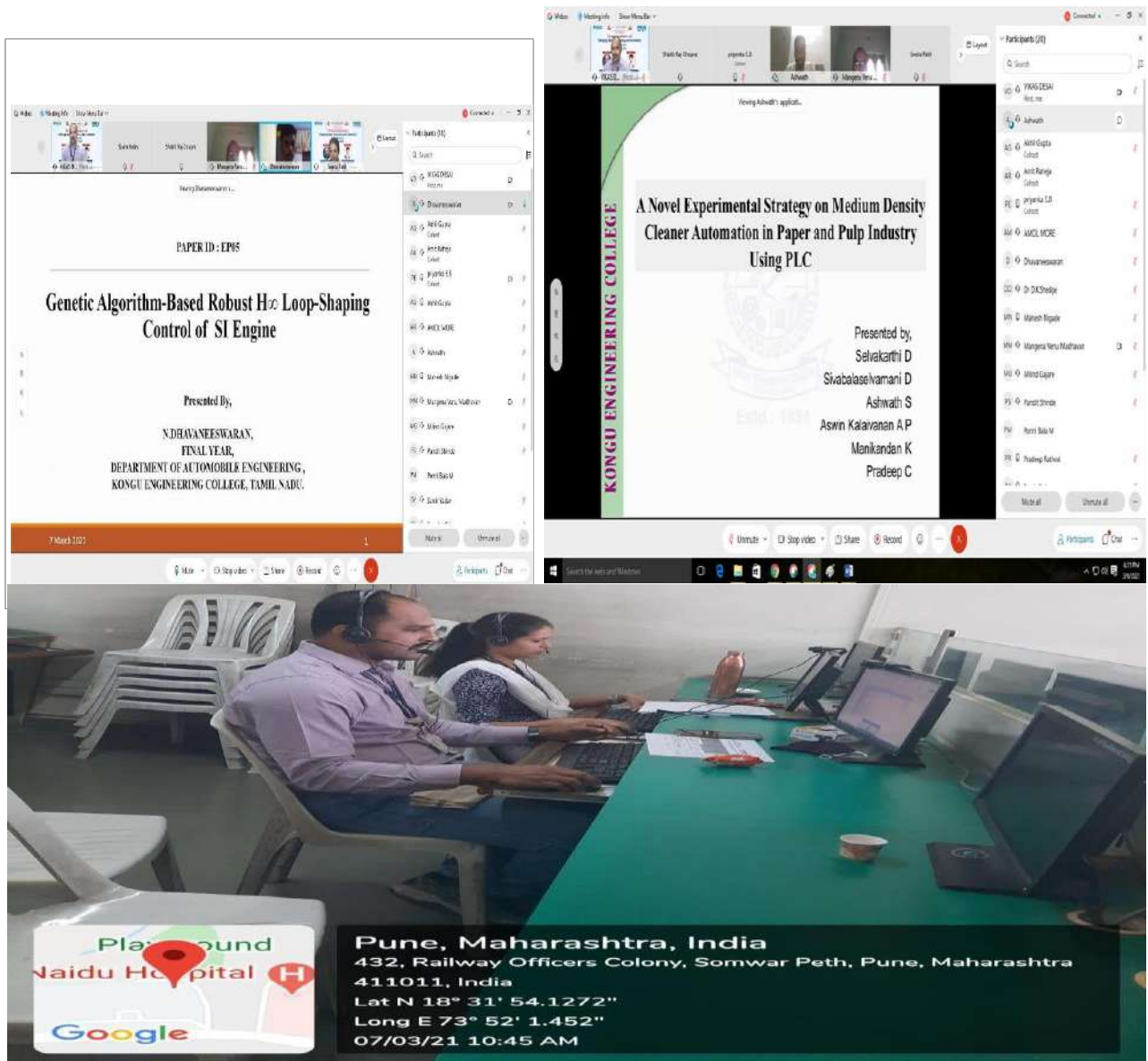
Participants at Special Session -6 presenting the paper

Valedictory Function

Felicitation of guest at valedictory function of ESCI-21
L to R-: Mr. Girish Khilari (Chair, IEEE Pune Section), Dr.P.B. Mane (Principal & General chair, ESCI-21) Mr. Jagdish Chaudhari (Vice Chair, IEEE Pune Section), Dr. Amar Buchade, Secretary (Secretary, IEEE Pune Section) and Dr. Vivek Deshpande (Vice Chair Industry Relation IEEE Pune Section).

Valedictory Program of 3rd IEEE International Conference ESCI2021 at AISSMS Institute of Information Technology Pune held on 7th March2021 in the presence of Mr. Girish Khilari (Chair, IEEE Pune Section), Mr. Jagdish Chaudhari (Vice Chair, IEEE Pune Section), Dr. Amar Buchade, Secretary (Secretary, IEEE Pune Section) and Dr. Vivek Deshpande (Vice Chair Industry Relation 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-21 on Sunday,07/03/21.

Team of 3rd IEEE International Conference on Emerging Smart Computing and Informatics 2021 (ESCI)

Takeaways from the ESCI-21

The 3rd IEEE International Conference on Emerging Smart Computing and Informatics (ESCI-2021) 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 invited academics and industry researchers for publication of papers explaining literature review, problem statement, methodologies with appropriate results. The selected papers sent to the experts for review. Acceptance was 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 invited special topics, tools and applications in multidisciplinary areas with workshops, tutorial sessions by expert academicians and professionals.

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

Media Coverage of ESCI-21

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Travelog Immigration Pune	Mr. Paresh More Contact:9922514719 Mail Id: travelogpune@gmail.com
Carrerlabs Pvt Ltd	Mr. Bhoopendra Singh Contact:8888216548 Mail Id: bhoopendra.singh@thecareerlabs.com

Annexure-I

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Mr. Jagdish Chaudhari
(Vice Chair, IEEE, Pune Section)

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Dr. Tran Thi Ngan, Thuyloi University, Hanoi, Vietnam
Dr. Nguyen Son Vo, Duy Tan University, Vietnam
Dr. Nazila Fough, Robert Gordon University, UK
Dr. Lance Chun Che Fung, Murdoch University, Australia
Dr. Chuan Ming Liu, National Tapei University of Technology, Taipei Tech, Taiwan
Dr. Abdul Rahman Alzoubaidi, Al Balqa Applied University, Jordan

Dr. Mohamed Elhoseny, Mansoura University, Egypt
Dr. Andino Maseleno, Universiti Tenaga Nasional, Malaysia
Dr. Sheng-Lung Peng, National Dong Hwa University, Huailen Taiwan
Dr. Chin-Shiuh Shieh, National Kaohsiung University Taiwan
Dr. Sangeetha Krishnan, University of Africa,
Dr. Samir I. Shaheen, Cairo University, Egypt
Dr. Intan Zaurah Mat Darus, University, Malaysia
Dr. Chaker A Kerrache, University of Ghardaia, Algeria
Dr. Huynh Quyet Thang, Hanoi University, Vietnam
Dr. Utku Kose, Suleyman Demirel University, Turkey
Dr. Anoop Sharma, Singhania University,Rajasthan
Dr. Pawan Kumar, Singhania University,Rajasthan
Dr. S. Neduncheliyan, Dean, Bharath University
Dr. Nalini Chidambaram, Bharath University
Dr. Varsha Patil, Chairman, BoS (Computer) SPPU, Pune
Dr. Ratnadeep R. Deshmukh, BAMU, Aurangabad
Dr. Ganesh. S. Sable, MIT, Aurangabad
Dr. Shashank Joshi, Bharati Veedyapith
Dr. Ajay Kumar Jena, KIIT, Bhubaneshwar
Dr. Raghunath Holambe, SGGS, Nanded
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Registration

Mrs. M. P. Nerkar, AISSMS IOIT, Pune

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IEEE-ESCI 2021

3rd IEEE INTERNATIONAL CONFERENCE ON
EMERGING SMART COMPUTING & INFORMATICS ESCI 2021
(05th - 07th March 2021)

Conference Website: http://esciioit.org/
[In-Person & Virtual Mode]

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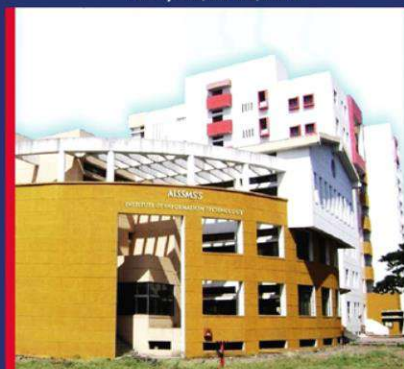
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About Institute

All India Shri Shivaji Memorial Society 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. The society management is very pragmatic and progressive. 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 institution is accredited by NAAC with A grade. The institution has six branches of engineering, of which four branches are permanently affiliated to S. P. Pune University and three branches namely Electrical Engineering, Electronics Engineering and Instrumentation Engineering are accredited by NBA. The institute has 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 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 "Engineering Education Excellence Award 2015" from Indo Global Chamber of Commerce Industries and Agriculture. The institute is recognized by AICTE for "Best practices in Education" in 2018. The institute is ranked 180 by "India Today" and 85 by "Times Engineering Survey" in 2019. The institute is ranked 79 by "Outlook", and 93 (Private), 104 (Overall) by "Times Engineering Survey" in year 2020. The institute is ranked 188 by "India Today" and 19 (West), 103 (overall) by "Week Magazines" in 2020.

About the Conference

The IEEE International Conference on Emerging Smart Computing and Informatics (ESCI-2021) 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 out in-person & virtual mode. Participants can either choose to present their work in virtual mode or in-person mode.

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 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 but not limited to:

Track 1 : Smart Computing
Chair: Dr. S. N. Zaware
Dr. M. A. Thalor

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

Track 2 : Network & Communication
Chair: Dr. D. R. Shende
Dr. A. A. Shinde

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

Track 3 : Image and signal processing
Chair: Dr. S. B. Dhonde
Dr. S. A. Panwar

- Image and Video Processing, analysis and Compression,
- Digital and statistical signal processing, object Recognition,
- Speech Processing, music Information Retrieval and Computer Audition,
- Medical Imaging,
- Computer Vision

Important Dates

Submission of Regular/
SS paper: Jan 15, 2021
Notification of Acceptance: Feb 10, 2021
Camera Ready Submission: Feb 20, 2021

IEEE Conference Link:

https://conferences.ieee.org/conferences_eve nts/conferences/conferencedetails/50559

Paper Submission Link:

https://cmt3.research.microsoft.com/User/Login? ReturnUrl=%2FESCI2021%2FSubmission%2FI ndex

Email Id: esci2021@aissmsioit.org

Registration Fees

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

UG Track

Category Indian

IEEE Student Member (Max. 4 students)	INR 1000/-
Non IEEE Student Member (Max. 4 students)	INR 1500/-
Accompanying Extra Author	INR 500/-
Tutorial	INR 200/-

Doctoral Consortium

Chair: Dr. D. K. Shedge

The goal of the Doctoral Consortium is to create an opportunity for Ph.D. students to test their research ideas, present their current progress and future plans, and receive constructive criticism and insights related to their future work and career perspectives. A mentor will be assigned to each student to provide individual feedback. In addition students will have the opportunity to present an overview of their research plan during a special poster session. Prospective participants are encouraged to submit their application by February 20th, 2021 Fees INR 500/-

Annexure-II

ESCI 2021 PLAGIARISM SUMMERY

AISSMS
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ADDING VALUE TO ENGINEERING

3rd IEEE International Conference on
Emerging Smart Computing And Informatics 2021 (ESCI-3)
Plagiarism Report Summary of Papers Submitted

5th to 7th March 2021

Sr. No.	Paper ID	Submission 1 Plagiarism %	Submission 2 Plagiarism %	Plagiarism Status	Paper Title
1	1	92	92		FACE RECOGNITION& GENDER RECOGNITION USING PCA ALONG WITH WEBERLAW DISCRIPTOR
2	3	16		OK	Identification of straggler node in Distributed Environment Using Soft Computing Algorithms
3	4	12		OK	Brief Study and Review on The Next Revolutionary Autonomous Vehicle Technology
4	5	12		OK	Brief Study and Review on The Next Revolutionary Autonomous Vehicle Technology
5	6	15		OK	Revamping supermarkets using AI and RSSi
6	7	21		OK	Employee work motivation detection using Image and Audio processing
7	9	14		OK	An Automated System for Fruit Gradation and Aberration Localization using Deep Learning
8	11	16		OK	SMART TECHNIQUE FOR E -VOTING
9	12	44	44		Implementing Intelligent Traffic Control System for Congestion Control and Detection of Stolen Vehicles
10	13	15		OK	Knowledge Graph of Mergers and Acquisitions
11	14	15		OK	Echo State Networks and existing paradigms for Stock Market Prediction
12	15	38			Exploring Real World Implementations of MANET
13	16	27		OK	Ontology Construction from Cross Domain Customer Reviews using Expectation Maximization and Semantic Similarity
14	17	25		OK	Role of Spontaneous and Read Speech in Depression Detection for Adolescents

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15	18	25		OK	Automated network intrusion detection using multimodal networks
16	19	19		OK	Significance of internet of things with MQTT protocol for light weight communication
17	20	38	34		Exploring Real World Implementations of MANET
18	21	19		OK	Vehicle Accident Alert System Using LABVIEW
19	22	38			Human Computer Interaction And Machine Learning Survey In Wellbeing of Depression And Anxiety Of Youth
20	23	29-11			Secure And Hassel-Free Next Generation E-Voting Software through Facial Recognition
21	26	36	33		Databases for Interstitial Lung Disease images
22	27	14		OK	Anti-Spoofing Door Lock Using Face Recognition and Blink Detection
23	28	21		OK	Financial Predictions Based On Fusion Models -A Systematic Review
24	29	41	20	OK	Survey on IOT Based Application for monitoring and Predicting Air Quality in the environment
25	31	50	49		Data Detection and Channel Estimation for MIMO System
26	32	24		OK	Remote Monitored Oro-Facial Muscular and Respiratory Exerciser
27	33	21		OK	Survey on Implementation of Virtual Assistant using IBM Watson
28	34	20		OK	A Survey on Deep Learning for Intracranial Hemorrhage Detection
29	35	32	21	OK	Mobile Application for flood disaster in Jakarta
30	36	23		OK	Application for easy organizing of Event Organizer
31	37	25		OK	Detepet Mobile Application for Pet Tracking
32	38	21		OK	Online Transportation Surveillance System for improving Driving Behaviour
33	40	22		OK	PRAnet: A Fast Residual Neural Net based Model with Attention Block for Classification of Lung and Colon Cancer from Histopathology Image.
34	41	2		OK	Cost Efficient Modular External Elevator for Residential Building
35	42	62	29-16		FACIAL EMOTION RECOGNITION USING DEEP LEARNING:A SURVEY
36	43	60	60		A Personalized Multi-objective optimization model based on trust aware QOS rank prediction for cloud services system
37	44	72	73		Identify the Best web services selection using Self adaptive Multi-optimization model in Cloud Computing
38	45	11		OK	Designing of controller for BLDC driven solar water pump

ESCI 2021 PLAGIARISM SUMMERY

39	46	42	27	OK	A Review Paper On Attendance Management System Using Face Recognition
40	47	21		OK	Design and Simulation of Loan Approval Prediction Model using AWS Platform
41	48	18		OK	Machine Learning Application for Black Friday Sales Prediction Framework
42	49	20		OK	Attention Based Speed Governor for Electric Vehicles
43	50	35	23	OK	Diabetic Retinopathy Classification using a Combination of EfficientNets
44	51	38	38		Plant Leaf Recognition and Disease Detection Using GoogLeNet
45	52	21		OK	SURVEY ON KEY FRAME EXTRACTION AND OBJECT DETECTION
46	53	12		OK	ANALYSIS OF ALGORTIMIC TRADING WITH Q-LEARNING IN THE FOREX MARKET
47	54	30		OK	A Review On Speech Authentication And Speaker Verification Methods
48	55	17		OK	Throughput Optimization of Coexistent LTE-U and WiFi in Next Generation Networks
49	56	30		OK	Comparative Analysis 4:1 Multiplexer using TG gate at Nanometer Regime
50	58	14		OK	Ontology Enabled Intelligent and Autonomous Disaster Alert
51	59	41	31		Development of Feature Extraction Framework for ECG Signal detection using Ridgelet Transform
52	60	37	37		Real Time Vehicle Recognition System for Secure Environment
53	61	38	37		DESIGN AND IMPLEMENTATION OF GESTURE BASED HUMAN COMPUTER INTERFACE
54	62	40	34		A Review on Source Code Summarization Techniques
55	63	30		OK	Implementation of Network Intrusion Detection System Using Artificial Intelligence: Survey
56	64	22	22	OK	Attention-based Visual Question Generation
57	65	26		OK	INNER VOICE : An effortless way of communication for the physically challenged deaf and mute people
58	66	26		OK	Design of high precision peak detect sample and hold for X-ray spectroscopy.
59	67	24-14			A Survey on High Connectivity, Low Power, Low Cost, Reliable Advanced Metering Infrastructure
60	68	10		OK	Web-Based Application for freelance tailor

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61	69	19		OK	A Survey on Third Party Auditor in Cloud Computing
62	70	10		OK	An Experimental Analysis of Lifi and Deployment on Localization Based Services & Smart Building
63	71	14		OK	A Brief Review on Internet of Things (IoT)
64	72	21		OK	SmartBook Reader for Visually Impaired Peoples using OCR and Raspberry Pi
65	73	23-13			Smart Mirror using Raspberry Pi
66	74	16		OK	Leveraging unpaired image to image translation for generating high quality synthetic data
67	75	19		OK	ARTIFICIAL INTELLIGENCE BASED AUTONOMOUS DRIVING ASSISTANCE MODEL
68	76	39	24	OK	Pre-trained VGG-16 with CNN Architecture to classify X-Rays images into Normal or Pneumonia
69	77	36	36		AUTOMATIC STREET LIGHT USING SENSORS
70	78	22		OK	Medical Data Analysis using Optical Character Recognition and Video transcription
71	79	6		OK	IoT based system to Tag our Belongings
72	80	21		OK	Summarization of Educational Videos Using Shot Detection
73	81	39	34		Firefly Algorithm optimized Load Frequency Controller for multi-source Power system
74	82	39	39		Prenatal Risk Factors for Birth asphyxia amongst neonates:A Review
75	83	15		OK	An Ensemble Algorithm for Crop Yield Prediction
76	84	30		OK	Low power high performance 4 bit Vedic-multiplier in 32nm
77	85	23		OK	Analysis on IoT Based Fault Identification Methodology In Oil Pipelines - Review
78	86	-			Deep Learning Based Online Signature Verification System - A Challenging Problem
79	87	22-11			Controller Design for Autonomous Vehicle
80	88	41	17	OK	An IOT based System for Automatic Electricity Saving Using Machine Learning Techniques
81	89	51	38		SVM based Supervised Machine Learning Framework for Glaucoma Classification using Retinal Fundus Images
82	90	22		OK	An effective credit scoring model implementation by optimal feature selection scheme

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83	91	12		OK	Study and Analysis of Implementing A Smart Attendance Management System Based on Faced Recognition Technique Using OpenCV and Machine Learning
84	92	81			Design of a Compact High Gain Microstrip Patch Antenna for MultiBand 5 G Wireless Communication Devices Applications.
85	93	18		OK	Optimized Data Compression through Effective Analysis of JPEG Standard
86	94	38	27	OK	A Proposed Method to Automate Irrigation System based on IoT for Water Conservation in Indian Punjab
87	95	51	51		Computer Aided Early Lung Cancer Diagnosis Using Artificial Neural Network
88	96	22	17	OK	Classification of COVID-19 CT images using Transfer learning models
89	97	62	62		A SURVEY ON SMART CLASSROOM USING MACHINE LEARNING
90	98	28		OK	Application of Deep Convulational Neural Network in Medical Image Classification
91	99	57			System To Rank Results In CQA Sites
92	100	50	37		Spectral Efficiency Analysis using Orthogonal Frequency Division Multiplexing
93	101	27-11			PERSUASIVE TECHNOLOGY TO GENERATE SONGS PLAYLIST USING EMOTION BASED MUSIC PLAYER
94	102	63	48		On the Security of Multimedia Images: An Efficient Approach based on a Combined Hill Cipher and Non-Chaotic Substitution
95	103	63			COST EFFECTIVE ULTRA VIOLET SANITATION BOX
96	104	24		OK	Unsupervised Page Area Detection Approach for the Unconstrained Chronic Handwritten Modi Document Images
97	105	34			Area efficient VLSI architecture for reversible radix_2 FFT algorithm
98	106	34	26	OK	Area efficient VLSI architecture for reversible radix_2 FFT algorithm
99	107	31	24	OK	The Comprehensive Study of Facial Expression Recognition on Video
100	108	41	33		NETWORK CONTROLLED VERTICAL HANDOVER MECHANISM USING FUZZY LOGIC IN 5G HETEROGENOUS NETWORK
101	109	25		OK	Dynamic Voltage Restorer for Voltage Dip Mitigation in Industries and Comparison to FACTS Devices
102	110	26		OK	How COVID19 created the horizon for new Normal: A review

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103	111	28		OK	A Study of Awareness and Perception of Augmented Reality in Education Sector
104	112	25		OK	A survey on Internet of Things Based on Smart Homes Environment
105	113	21		OK	Revolution of IoT In Healthcare During Covid-19
106	114	36	36		Security Requirements in IoT-based Healthcare System: A Review Report
107	115	24		OK	Smart Healthcare Monitoring System Using Wireless Body Area Network
108	116	15		OK	ARTIFICIAL INTELLIGENCE PREDICTABILITYIN PSYCHOLOGY
109	117	71	72		A review of methods and tools for Sentiment Analysis on Social Media
110	118	14		OK	A Comparative Study on Detection of Combustion Vehicles and Electric Vehicles in New Era
111	119	33	18		Multifactor Authentication On Mobile Phones Using Existing BrightPass
112	120	40	29	OK	Towards Developing Robust Speech Emotion Recognition System: A Review
113	121	27		OK	Self-directed Robot for Car Driving using Genetic Algorithm
114	122	33	32		A literature review and practical application discussion: Methodologies Used for Overall Equipment Effectiveness (OEE) Detection and Prognostics
115	123	39			An approach to mine frequent item sets considering average utility
116	124	24		OK	Methods for Classification of items for inventory management
117	125	13		OK	A Smart Toll Challan System using Radio Frequency Identification
118	126	19		OK	A Review Paper on the Effectiveness of IoT Devices and Smart Systems in Women Safety With the Help of Recent Research for Bangladeshi Women
119	127	32	28	OK	Depression Detection and Analysis Using Deep Learning: Study and Comparative Analysis
120	128	5		OK	Asset Management System with Database Analysis for Mobile Assets
121	129	32	33		Smart UAV Framework for Multi Assistance
122	130	45	45		An empirical evaluation of alpha-gamma and theta-gamma phase-amplitude coupling for elucidating short-term memory retrieval using high-density EEG
123	131	43	22	OK	Optical Character Recognition using Tesseract and Classification

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124	132	24		OK	A Shortnote on Various Unsupervised Mapping Techniques for Neurodegenerative Disease Detection: A Review
125	133	17		OK	Analysis of User's Learning Styles and Academic Emotions through Web Usage Mining
126	134	31	11	OK	Efficient Fire Detection Through Video Surveillance
127	135	20		OK	Review of ECG arrhythmia classification using Deep Neural Network
128	136	23		OK	Smart Shopping Application using IoT and Recommendation System
129	137	34	34		Nutriflow: A Diet Recommendation System
130	138	20		OK	Identification and Classification of Industrial Elements using Artificial Intelligence and Image Processing Techniques
131	139	22		OK	Human Immune Prediction using Machine Learning
132	140	43	19	OK	Virtual Mouse Using Hand Gestures
133	141	52	40		Review on Similar Questions Retrieval for Quora
134	142	26		OK	Statistical and Machine Learning Approach to Study the Smoking Impact on Heart Rate Variability Features
135	143	26		OK	A Study on Wireless Power Transmission using Solar Power Satellite
136	144	42	18	OK	Machine Learning Approaches to achieve Facial Expression Recognition: A Review
137	145	13		OK	SIMULATION OF SELF DRIVING CAR USING DEEP LEARNING
138	146	13		OK	Video Chat Application for Mutes
139	147	28		OK	Hybrid Application of OPD Appointment with Disease Prediction
140	148	24		OK	An Automated System for Facial Mask Detection and Face Recognition during COVID - 19 Pandemic
141	149	73	73		A Review On Security, Privacy Attacks and Trending Technologies In Internet-of-Things
142	150	16		OK	Shortest Path Detection of Automated Guided Vehicle using Clonal Selection & Dendritic Cell Algorithm
143	151	44			A Comprehensive Study of AI based Steganalysis Techniques on Image and Text Documents
144	152	18		OK	Novel Healthcare Chatbot System using Artificial Intelligence
145	153	26-11			Medical Supply Chain Management using Blockchain: An Overview
146	154	28		OK	Electronic components Recognition and Classification using Convolutional Neural Networks
147	155	6		OK	Artificial Neural Network Based Virtual Energy Meter

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148	156	16		OK	Novel Campus Recruitment Prediction using Machine Learning Techniques
149	157	13		OK	Searching a Video Database using Natural Language Queries
150	158	44	44		Mathematical Modeling Design and Simulation of Fuzzy logic Based UPQC for Power Quality Improvement
151	159	38	38		Performance Assesssment and Numerical Simulation of Optimal Power Flow in IEEE-118 Bus System Using Improved Cuckoo Search Optimization Algorithm
152	160	31	20	OK	ICU ADMISSION PREDICTION USING MACHINE LEARNING FOR COVID-19 PATIENTS
153	162	42	42		Lower Complex CNN Model for Fire Detection in Surveillance Videos
154	163	62	32		Performance Analysis of Data Acquisition System for Electric Vehicles
155	164	29		OK	Edonatery: Blood and organ donation portal.
156	165	16		OK	Gesture control Self Balance Robot
157	166	43	43		Review On Speech Enhancement Methods
158	167	-			Cloud based Invoice/Bill generator android app
159	168	69	70		Covid-19 detection using chest x-ray images.
160	169	34	34		Improved Speech & Speaker Recognition System in Real Time Environment
161	170	32	21	OK	Bluetooth-based Wireless Digital Stethoscope
162	171	3		OK	Artificial Neural Network based Surveillance camera System
163	172	21		OK	Review on Design and Fabrication of Electromagnetic Flowmeter
164	173	39	30	OK	Classification of Liver Diseases in CT-scan Images based on Support Vector Machine and Texture Analysis
165	174	24		OK	CDA-SVM: A Chaotic Dragonfly Enriched Support Vector Machine for Micro array Data sets
166	175	60	62		Integration of Alternate Energy Resources in Smart Grid
167	176	76	76		Improve IoT Security on Cloud- A Literature Review
168	177	21		OK	Development of Prototype of Solar Powered Automatic Weed Remover and Spraying Machine
169	178	14		OK	A Survey on Diabetic Retinopathy Detection using Deep Learning
170	179	27		OK	Efficient medical image segmentation of COVID-19 chest CT images based on deep learning techniques

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171	180	34	33		Cost-Effective and Efficient Detection of Autism from Screening Test Data using Light Gradient Boosting Machine
172	181	36	36		A Survey on Sentiment Lexicon Creation and Analysis
173	182	26		OK	Multimodal Biometric Combination Approach Face, Fingerprint, Signature and Iris: A Review
174	184	24		OK	Multi-Digit Recognition using Image Processing and Neural Network
175	185	58	58		Evaluation of constrained shortest path algorithm for Autonomous Vehicles
176	186	15		OK	Improved algorithm for Automatic Elevated Body Temperature Screening using short wavelength technology
177	187	26		OK	Holy Quran Query Correction Search Engine
178	188	15		OK	Interoperable Blockchain Solution for Digital Identity Management
179	189	31	32		A comparative study on different approaches of Sentimental Analysis
180	190	25		OK	Machine Learning based Malaria Prediction using Clinical Findings
181	191	11		OK	IMAGE CAPTION GENERATION USING NEURAL NETWORK MODELS AND LSTM HIERARCHICAL STRUCTURE
182	192	16		OK	Quality Analysis of Farm Seeds and Variation of various Parameters using Infrared Imaging
183	193	25		OK	Time Table /Meeting Application in Android
184	194	19		OK	Expense Manager App
185	195	31	19	OK	A Thorough Study on Driver Distraction through Machine learning
186	196	39	35		ATTENDANCE MANAGEMENT SYSTEM
187	197	23		OK	A Study: Intelligence in Embedded Systems
188	198	17		OK	Improving Machine Learning Systems using Human-feedback Adaptive Algorithms
189	199	45	32		Discontinuity Preserving Optical Flow Based on an Anisotropic Operator
190	200	45	10	OK	MOVIE RECOMMENDATION SYSTEM
191	201	43	38		Temporomandibular Joint Disorder prediction using KNN and SVM Classification Algorithms
192	202	34	34		Design, Green Synthesis and Characterization of Zinc Oxide Nanoparticles from OCIMUM Tenuiflorum Var. Ram Tulsi
193	203	46	27	OK	Understanding Machine Learning Approach on Various Algorithms: A Case Study Implementation

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194	204	27		OK	CDA-SVM: A Chaotic Dragonfly Enriched Support Vector Machine for Micro array Data sets
195	205	45	36		Analysis of Techniques Adapted for Suppressing Frequency oscillation of Two Area Thermal power system
196	206	28		OK	Optimized Compression of Data using Huffman based LZW Encoding Technique
197	207	27		OK	A Comparative Analysis of Speckle Noise Removal in SAR Images
198	208	33			Design and Performance analysis of High Gain Microstrip Patch Antenna for Multiband 5G Devices Applications.
199	209	42	42		Shopping Application in Android
200	211	21		OK	FOFO: Fused Oversampling Framework by addressing Outliers
201	212	44	44		Life Expectancy Post Thoracic Surgery
202	213	30		OK	Design of High Frequency RFID based Real Time bus tracking System
203	214	35	23	OK	Automatic Segmentation of COVID-19 Pneumonia Lesions & its diagnosis from CT scan : A survey
204	215	54	25	OK	INFRASTRUCTURE MONITORING USING UAV
205	216	21		OK	Blockchain-Based Decentralized Digital Self-Sovereign Identity Wallet for Secure Transaction
206	217	61	21	OK	Web Assistance System For Healthcare
207	218	27		OK	Face Recognition of Children Using AI Classification approaches
208	219	26		OK	Design and Development of Smart Personal Protective Equipment Vending Machine using Internet of Thing
209	220	16		OK	Survey on Green computing a step to save Environment.
210	221	44	26	OK	Sentiment Analysis: Comparative study based on Deep Learning Techniques
211	222	59			Trust Management in Cloud Computing
212	223	58	20	OK	Comparison of Routing Protocols in-terms of Packet Transfer Using IPV6 Addressing
213	224	26		OK	A Review on Covid19 Pandemic and Role of Multilingual Information Retrieval and Machine Translation for Managing it's Effect
214	226	30-14			MEMS Interdigital Electrode Sensor Design for Gas sensing Mechanism
215	227	5		OK	Call permission app
216	228	46	12	OK	Medical Emergency System

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217	229	24		OK	Model-driven Automatic Paths Generation and Test Case Optimization Using Hybrid FA-BC
218	230	41			Smart Doorbell using IoT
219	231	32	17	OK	Audio Sentiment Analysis
220	232	43	43		A Comprehensive Study on Facial Images
221	233	58			Emotion Intelligence: An Approach to Analyze Stress using Speech & Face Recognition
222	234	67	67		Proctored online examination system using deep learning and computer vision
223	235	24		OK	Automatic form filler
224	236	9		OK	Study of Machine Learning for Teaching Development in Education
225	237	31	7	OK	A Survey and Analysis of Crowd Anomaly Detection Techniques
226	238	27		OK	GWOA Model For Data Protection
227	239	18		OK	Predicting optimal cricket team using data analysis.
228	240	18		OK	PREDICTING OPTIMAL CRICKET TEAM USING DATA ANALYSIS
229	242	67			GREENHOUSE TEMPERATURE, LIGHT MONITORING AND CONTROL
230	243	51	23	OK	A Review Paper On Machine Learning Approach for Heart Disease Prediction: Current Status and Future Prospects
231	244	32	29	OK	Method for mining frequent item sets considering average utility
232	245	11		OK	Comparison of DDMC and Dijkstra Algorithms on Topology Management in Large Publish-Subscribe Paradigm
233	246	11		OK	E-Library: Website for gaining maximum knowledge in minimal way.
234	247	38	27	OK	A Review on Pattern Recognition based Retinal blood vessels extraction technique to detect Diabetic Retinopathy (DR)
235	248	21		OK	Improvement of QoS Parameters of IoT Networks Using Artificial Intelligence
236	249	22		OK	Design and Implementation of a Low Cost IoT Based Tipping Bucket Rain Gauge
237	250	29		OK	Smart Agriculture using Polyhouse
238	251	41	31		Research Challenges in Breast Cancer Classification through Medical Imaging Modalities using Machine Learning
239	252	29		OK	Comparative Analysis of Informed Search Techniques

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240	253	13		OK	Flood Water Depth Classification Using Convolutional Neural Networks
241	254	21		OK	AUTOSAR Development on UDP Network Management Module 4.2.2 for Ethernet Protocol
242	255	16		OK	A new approach to Disaster and accident management system using android application
243	256	30		OK	Data Protection On Cloud Using GWOA Model
244	257	19		OK	Potential Approach For The Delivery Problem In Unstable Environment
245	258	13		OK	Applications of IoT- Counter and Scanner System
246	259	48	21	OK	Analysis of Encryption Techniques for Secure Communication
247	260	66			Smart doorbell using IoT
248	261	66			Smart doorbell using IoT
249	262	21		OK	Comparative Study of Machine Learning Algorithms for Twitter Sentiment Analysis
250	263	12		OK	PUBG Winner Ranking Prediction using R Interface 'h2o' Scalable Machine Learning Platform
251	264	15		OK	Time Series Analysis of Cryptocurrencies using Deep Learning & Fbprophet
252	265	24		OK	Design and Performance analysis of Higher Gain Micro Strip Antenna for Multiband 5G Devices
253	266	43			Android application of Garbage Collector Tracker using Google Maps for Municipality office
254	267	28		OK	Sentiment analysis in songs and advanced recommendation system
255	268	22		OK	Effective use of Big Data in Precision Agriculture
256	269	45	28	OK	Gross Domestic Product Prediction using Machine Learning
257	270	33	33		Paper ID-162-Lower Complex CNN Model for Fire Detection in Surveillance Videos
258	271	20		OK	Comparative Analysis of Heuristic-based Energy Efficient Protocol for M2M Communications in Green IoT
259	272	20		OK	Automated Timetabling System for University Course
260	274	0		OK	System of scalable tracking URLs and analytics to measure real-time user engagement using Artificial Intelligence
261	275	19		OK	Revolutionize Cosine Answer Matching Technique for Question Answering System

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262	262	21		OK	Comparative Study of Machine Learning Algorithms for Twitter Sentiment Analysis
263	263	12		OK	PUBG Winner Ranking Prediction using R Interface 'h2o' Scalable Machine Learning Platform
264	264	15		OK	Time Series Analysis of Cryptocurrencies using Deep Learning & Fbprophet
265	265	24		OK	Design and Performance analysis of Higher Gain Micro Strip Antenna for Multiband 5G Devices
266	266	43	43		Android application of Garbage Collector Tracker using Google Maps for Municipality office
267	267	28		OK	Sentiment analysis in songs and advanced recommendation system
268	268	22		OK	Effective use of Big Data in Precision Agriculture
269	269	45	28	OK	Gross Domestic Product Prediction using Machine Learning
270	270	33	33		Paper ID-162-Lower Complex CNN Model for Fire Detection in Surveillance Videos
271	271	20		OK	Comparative Analysis of Heuristic-based Energy Efficient Protocol for M2M Communications in Green IoT
272	272	20		OK	Automated Timetabling System for University Course
273	274	0		OK	System of scalable tracking URLs and analytics to measure real-time user engagement using Artificial Intelligence
274	275	19		OK	Revolutionize Cosine Answer Matching Technique for Question Answering System
275	276	22		OK	State Of Charge Estimation Of lithium ion Battery
276	277	28		OK	System To Rank Results In CQA Sites
277	278	26-12	26-12		Shopping Application in Android
278	279	29-13			Swing based Library Management System
279	280	26	28	OK	Predicting the Post Graduate Admissions using Classification Techniques
280	281	85			PV BASED POWER GENERATION AND POWER QUALITY IMPROVEMENT USING SSSC POWER COMPENSATOR
281	282	18		OK	Specular endothelium image analysis with DEM algorithm
282	283	19	19	OK	Neural Dense Captioning with Visual Attention
283	284	30		OK	HUMAN BRAIN SIGNAL BASED STRESS ANALYSIS USING ELECTROENCEPHALOGRAM SIGNALS
284	285	17		OK	White Blood Cells Classification Using Built-in Customizable Trained Convolutional Neural Network

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285	286	10		OK	Effect and challenges of Artificial Intelligence and Robotics in Automation and Industries.
286	287	50	50		A Compact CPW- Fed Microstrip Antenna for RF Energy Harvesting Applications
287	288	14		OK	A Survey on Humor Detection Methods in Communications
288	289	21		OK	RAILWAY RESERVATION SYSTEM USING JAVA
289	290	41			Face Mask Detection Using Optimized CNN
290	291	17		OK	Implementation of Least Significant Bit Image Steganography with Advanced Encryption Standard
291	292	16		OK	Mid-Day Meal a Healthier Childhood
292	294	18		OK	Swindle: Predicting the Probability of Loan Defaults using CatBoost Algorithm
293	295	38			Face Mask Detection Using Optimized CNN
294	296	51			Classification of Imbalanced Data of Medical Diagnosis Using Sampling Techniques
295	297	13		OK	Translation from Simple Marathi sentences to Indian Sign Language Using Phrase-Based Approach
296	298	18		OK	Securing Data on cloud using blockchain
297	299	57			A Survey on Machine Learning Approach: Grape Leaf Disease Detection
298	300	38			Design and Analysis of Emotion Classification using Deep Learning
299	301	23		OK	Mobile App for Analyzing and Predicting Depression in Human Beings
300	302	37			A Thematic Investigation of Graffiti in Urban Spaces by using Indic
301	303	17		OK	IMPROVING TRADITIONAL STOCK MARKET PREDICTION ALGORITHMS USING COVID-19 ANALYSIS
302	304	30		OK	Towards the development of an information privacy protection awareness initiative for data subjects and organizations
303	305	28		OK	Paper ID-162-Lower Complex CNN Model for Fire Detection in Surveillance Videos
304	306	26		OK	IoT based Smart Security and Surveillance System
305	307	11		OK	Depression Level Calculator

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306	308	21		OK	Violence Detection using Real-Time Surveillance
307	309	27		OK	Heart Disease Prediction Using Deep Neural Networks: A Novel Approach
308	310	58			Road Extraction of Remotely Sensed Images Using Convolutional Neural Network-VGG16
309	311	39			ANALYSIS OF KIDNEY ULTRASOUND IMAGES USING IMAGE PROCESSING TECHNIQUES: A SURVEY
310	312	16		OK	Smart exterior home management system using Arduino Uno and Tinkercad
311	313	68			Assistive Autonomous Electric Vehicle for Disaster Management
312	314	27		OK	Analytical Study of Algorithms for Fish Count Prediction in a Reservoir
313	315	33	31		Brain Tumour Segmentation in MR Images Using Enhanced Deep Learning Network
314	316	16		OK	Survey on automated hierarchical classification methods
315	320	58			Performance Analysis of SVM Classification Model for Diagnosis of Alzheimer's Disease
316	321	46			Government Scheme and Funds Tracker using Blockchain
317	322	55			Passive Copy-Move Image Forgery Detection Techniques: A Study
318	323	28-13			Drowsiness Detection System Using Deep Learning and Computer Vision
319	324	11		OK	Pothole Detection using Accelerometer and Computer Vision with Automated Complaint Redressal
320	325	28-13			Drowsiness Detection System Using Deep Learning and Computer Vision
321	326	43			Dynamic Hand Gesture Recognition for media player
322	327	33	12	OK	Geospatial Information Visualization using Augmented Reality
323	328	17		OK	Third Eye for Visually Challenged Using Echolocation Technology
324	329	16		OK	Smart Solutions for Enhancing Road Safety and Better Riding Experience Using IoT
325	330	29		OK	Blood Bank Stock Tracking and Donation System
326	331	30		OK	EXTENDED CONFIDENTIALITY OF MEDICAL DATA USING SYMMETRIC CIPHER BASED ON CHAOTIC LOGISTIC MAP FUNCTION

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327	332	51			Pre-trained Word Embeddings for Malayalam Language
328	333	14		OK	Aerial Image Classification Using DCNN with DCT, TSBTC and Augmentation Techniques
329	334	21		OK	Speech Emotion Recognition : A survey
330	335	23		OK	Computer Vision and IoT Enabled Bot for Surveillance and Monitoring of Forest and Large Farms
331	336	38	23	OK	An Efficient Numerical Technique for Solving System of Nonlinear Equations
332	337	29		OK	Ocean Pollution Detection using Image Processing
333	338	34			Exploring Novel Adversarial Attack Strategies on Android Systems
334	339	38			Detection of Phishing Websites Using Convolutional Neural Networks
335	340	18		OK	Comparative Analysis of Selected Hadoop-Based Tools - A Literature Review and User's Perspective
336	341	34			Network slicing and resource reservation for communication between connected objects: model based on reinforcement learning
337	342	9		OK	Sub Contractor Life Cycle Management In Enterprise System Using Blockchain Technology
338	343	87			Power management in PV-battery-hydro based standalone microgrid
339	344	21		OK	Caloriemeter: Food Calorie Estimation using Machine Learning
340	345	78			Predicting Employee Attrition Using Machine Learning
341	346	28		OK	Comparison of feeding techniques for EMCP array antenna
342	347	53			Development of Algorithm for Fruit quality assessment using Deep Learning
343	348	72			Modified approach in Extractive Text Summarization Technique
344	349	26		OK	Hybrid Approach for Underwater Image Restoration and Enhancement
345	350	30		OK	Hardware-Software co-implementation of a high performance and light-weight scalable Systolic-Montgomery based modified RSA for portable IoT devices
346	351	19		OK	Anomaly Detection in Time Series Data of Sensex and Nifty50 using Keras
347	352	30		OK	Hardware-Software co-implementation of a high performance and light-weight scalable Systolic-Montgomery based modified RSA for portable IoT devices
348	353	20		OK	Unsupervised Sentiment Classification of Twitter Data using Emoticons
349	354	6	5	OK	Independent Data Validation Platform for Business Organizations

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350	356	25		OK	Analysing impact of Lockdown in India on COVID-19 using Data Visualization
351	357	34	30	OK	Random Sequence Generation Using Superconducting Qubits
352	358	20		OK	PUF Based Security for the Physical Hardware devices of IoT using White-Box Cryptographic Technique
353	359	45			Banana leaf disease recognition based on Local Binary Pattern
354	360	23		OK	COVID-19 Monitoring System using Social Distancing and Face Mask Detection on Surveillance video datasets
355	361	22		OK	Aspect-Level Drug Reviews Sentiment Analysis and COVID-19 Drug prediction using PPI & Deep Learning
356	362	48	23	OK	ECG Data Analysis for Cardiac Arrhythmia Detection using Machine Learning
357	363	42			Face Mask Detection System
358	364	48			Essence of AR-Furniture
359	365	10		OK	Application of Restful APIs in IOT: A Review
360	366	44			"Con-Wheel" - A Convertible Smart Wheelchair for Disabled Person
361	367	25		OK	The Legend Of Question Answering Systems
362	368	61			Real time Traffic alert and lights management system for smart city.
363	369	30-25			UWB Semi-circular patch antenna for IoT Applications
364	370	59			IOT Based ICU Patients Monitoring System
365	371	20-11			BIG DATA & HEALTHCARE SYSTEM:A SURVEY
366	372	19		OK	Feature Selection based Reduction in Dimensions and Indexing of Images for Efficient Image Retrieval
367	373	35			Millimeter-Wave dual-band (32/38 GHz) micro strip patch antenna for 5G communication
368	374	29		OK	Critical Analysis of IoT Challenges and Techniques used to Improve Quality of Service
369	375	18		OK	Mobile Asset Management System with Database Analysis based on IoT Technology.
370	376	31			Reading Analog Gauges Using Computer Vision
371	377	19		OK	A Review of Mesh Generation in ANUGA
372	378	28		OK	A Particle Swarm Optimization based Training Algorithm for MCMA Blind Adaptive Equalizer
373	379	26		OK	Investigation of Quantitative Electroencephalography Markers for Schizophrenia Diagnosis using Variational Mode decomposition

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374	380	21-11			Deep Convolution neural network intended for self-regulating detection plus analysis of seizure proving EEG signals
375	381	78			Data-Driven Cyber Security approach for Twitter traffic classification
376	382	-			A Novel 3D Object Watermarking Technique Using Hash Key Cryptography
377	383	14		OK	A chatbot therapist to help combat negative thoughts.
378	384	49			Survey on application of agriculture supply chain management using blockchain technology
379	385	23		OK	Compact Multiband Micro Strip Patch Antenna for future generation Portable Devices Communication.
380	386	25		OK	Development of Diabetes Diagnosis System with Artificial Neural Network and Open Source Environment
381	387	41			Cache Based Interface Entity Approach for Efficient Query Processing in Mobile Networks
382	388	25		OK	Detection of prodromal stage of Alzheimer's disease using an ensemble model
383	389	22		OK	Experimental Analysis of Dedicated GPU in Virtual Framework using vGPU
384	391	23		OK	Estimation of Heart Rate and Pulse Rate Variability Using Short-term Photoplethysmography Signal
385	392	28		OK	Performance Comparison of Different EEG Analysis Techniques Based on Deep Learning Approaches
386	394	29		OK	Modified ZM-SPECK:- A low complexity and low memory wavelet based image coder for VS/IoT nodes
387	395	-			Analysis of Brain Disorders Neuroimages by Feature Extraction and Ranking
388	396	21		OK	An Efficient and Secured Data Sharing Approach through Image Transmission
389	397	16		OK	IntelliHolo : 3D Modelled Artificial Intelligence with Mixed Reality; A Review
390	398	72			Particle Swarm Optimization based Feature Selection method in Text Classification
391	399	29		OK	Automobile Showcase Application with Voice Control
392	400	36	18	OK	LI-FI TECH FOR INDUSTRIAL APPLICATIONS
393	401	24		OK	EmoSinger: Facial Emotion Based Music Player
394	402	17		OK	Real time Speech Driven Facial Animation using GANs

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395	403	0		OK	Automatic quality testing machine
396	404	18		OK	Rough Set Based Contour Approximation From Flickering Depth Images
397	405	76			An anti-theft system for two wheelers.
398	406	8		OK	An Augmented Reality Interior Designing Camera
399	407	13		OK	Smart Farming using Machine Learning and Artificial Neural Network
400	408	45			A Survey on CyberBullying Detection Using Machine Learning
401	409	20		OK	A Unified Audio Analysis Framework For Movie Genre Classification Using Movie Trailers
402	410	15		OK	A Deep Study on Construction Waste management using Machine learning
403	411	73			A Review On Security, Privacy Attacks and Trending Technologies In Internet-of-Things
404	412	26-11			Modified Distance Protection for Series Compensated (SC) Overhead Lines
405	413	61			A Study for Resting State Analysis for Temporal Lobe Epilepsy
406	414	12		OK	Automating Receipt Data Extraction And Classification for Generating Expense Reports
407	415	22		OK	Decision Making in Mobile Device for Computation Offloading Approaches - A Review on Single Mobile User Offloading Perspective
408	416	14		OK	Internet of things (IoT) Based Machine Condition Monitoring
409	417	29-23			Parental Control Extension
410	418	35			Weather Prediction and Classification Using Machine Learning
411	420	11		OK	Recent progress in object detection in satellite imagery: A review
412	421	56			Software Effort Estimation of Teacher Engagement Application with Use Case Point
413	422	18		OK	GENERALIZATION OF LINE DRAWING ALGORITHM – AN EFFECTIVE APPROACH TO MINIMIZE THE ERROR IN THE EXISTING BRESENHAM'S LINE DRAWING ALGORITHM
414	423	26		OK	Survey on Single Image Dehazing using Different Deep Learning and Image Processing Algorithms
415	424	26		OK	Image Captioning Methods and Metrics
416	425	26		OK	Cyber Safety Against Social Media Abusing
417	426	57			Inverse Kinematics Ansalysis of Pioneer 2 Manipulator using Different Machine Learning Techniques

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418	427	30		OK	Applications of Deep Learning in Healthcare: A Systematic Analysis
419	428	30		OK	Multivariate Analysis for Heart Disease Prediction System using IoT and Machine Learning
420	429	28		OK	Predicton of MRR & Surface Roughness in Wire EDM Machining using Decision Tree and Naive Bayes Algorithm
421	431	30-11			MLIDS: A Machine Learning Approach for Intrusion Detection for real time Network Dataset
422	432	28	28	OK	Study of Characteristics of Total Electron Content over the Indian Subcontinent Region and Development of Web Application to Monitor Total Electron Content
423	433	9		OK	Sub Contractor Life Cycle Management In Enterprise System Using Blockchain Technology
424	434	33	61		Digital Signature in Blockchain using EdDSA
425	435	31			STRESS & EMOTION RECOGNITION USING SENTIMENT ANALYSIS WITH EEG SIGNAL
426	436	15	14	OK	Development of Best Suitable Yield Suggesting Model With WSN Using Machine Learning
427	437	27		OK	Hybrid Load Balancing Approach for Data Streaming IOT Systems
428	438	22		OK	Deepfake Generation and Detection: A Survey of Trends and Techniques
429	439	16		OK	Cloud-Fog based HealthCare Framework to Identify and Prevent Dengue Fever Outbreak
430	440	18		OK	Providing Database Service capabilities using Neo4j through the Cloud and Kubernetes: A Brief Study
431	441	40			ANTENNAS FOR RADAR APPLICATIONS : A REVIEW
432	442	35			Survey Paper On Sentiment Analysis Using Machine Learning Techniques
433	443	35			A Review on Energy Efficient Routing Algorithms for WSN
434	444	9		OK	Self-Mining Blockchain Mobile Unified Payment Interface
435	445	26		OK	Review on Application of Wireless Sensor Networks in Industrial Environment
436	446	64			Faster Detection of Chronic Heart Failure from Heart Sounds Using Transfer Learning Technique
437	447	23		OK	A Thorough Study on Heart Disease Detection through Machine Learning
438	448	36			Study on Wireless Powered Virtual Sensor Networks

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439	449	23		OK	Handwritten Digit Recognition of MNIST dataset using Deep Learning state-of-the-art Artificial Neural Network (ANN) and Convolutional Neural Network (CNN)
440	450	71			CLASSIFICATION OF AUTISMSPECTRUM DISORDERS (ASD) USING MACHINE LEARNING APPROACHES
441	451	23		OK	Data-Driven Linear Quadratic Control Scheme for Three-Phase Microgrid System Optimized by Genetic Algorithm
442	453	66			Smart doorbell using IoT.
443	454	42			Controller Design for Converters in Hybrid Renewable Energy Sources with Microgrid
444	455	92			Android based tourist guide system
445	456	48			Unusual Event Detection
446	457	39	39		Music Genre Classification using Bifurcation, Segmentation and Support Vector Machine
447	458	26		OK	Autonomous Inpainting Algorithm for Wire Removal from Image
448	459	33			An Efficient IoT Based Bump Detection System
449	460	63			Forecasting Agricultural Commodity Prices, Soil Analysis and Crop Fertility Prediction Using Machine Learning Model Selection Framework.
450	461	8		OK	Survey on Medical data storage systems
451	462	63			Forecasting Agricultural Commodity Prices, Soil Analysis and Crop Fertility Prediction Using Machine Learning Model Selection Framework.
452	463	27		OK	Implementation of blind and non-blind deconvolution for restoration of defocused image
453	464	22		OK	Study of Energy Efficient Resource Allocation Algorithms for Wireless Sensor Networks
454	465	37			Role of Cloud based Approach in Covid-19
455	466	68			Paper-Less Office
456	467	30		OK	Tomato Leaf Disease Detection and Classification using Convolution Neural Network
457	468	62			Spectrally Efficient Multiple Input Multiple Output (MIMO) Non-Orthogonal Multiple Access (NOMA) technique for future wireless communication
458	469	31			A Review on Distributed Data vending through Blockchains
459	470	47			How technology overcome the spread of covid-19

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460	471	45	29	OK	An Improved Model for Human Activity Recognition by Integrated features Approach and Optimized SVM
461	472	8		OK	A CHURN PREDICTION IN TELECOM SECTOR USING MACHINE LEARNING.
462	473	15		OK	Small Size, Medium Range Umanned Combat Aerial Vehicle
463	474	27		OK	A Brief Survey on Emotion Based Text to Speech Conversion System
464	475	40			Survey on Lung Cancer Detection using Support Vector Machine (SVM) Classifier and Image Processing
465	476	9		OK	Implementing IoT for Dispensing Sanitary Napkins Using Digital Payment
466	477	25		OK	Graphology based Human Behaviour and Personality Identification using Artificial Neural Networks
467	478	91			Paper less office
468	479	65			Denial Of Service Attack Detection Using Feature selection and Machine Learning Algorithm
469	480	23		OK	Automating Generative Adversarial Networks using Neural Architecture Search: A Review
470	481	32			Fusion Based Image Retrieval using Haralick Moments and TSBTC Features
471	482	17		OK	Dynamic Time Assisted Authentication Protocol (DTAAP) for Client-Server in WSN-IoT Environment
472	483	17		OK	Performance Evaluation of Tree Based Ensemble Methods for BOT-IoT Dataset
473	484	21		OK	Fruit Grading System Using Machine Learning : Fruiton
474	485	18		OK	Restaurant Recommendation and Virtual Queuing System
475	486	23		OK	A comprehensive review of machine learning techniques in effective video summarization
476	487	35			Refined Round Robin CPU Scheduling Algorithm
477	488	13		OK	Communication Device for the Visual and Hearing Impaired Persons to convert Braille characters to English Text
478	489	69			Developing web based system for breast cancer detection using machine learning classifier
479	490	74			HOSPITAL FINDER / MEDICARE APK
480	491	35	30	OK	An Efficient Resource Management Scheme for Smart Grid Using GBO Algorithm

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481	492	34	26	OK	Techniques for Selecting Appropriate Number of Clusters (K) in K-Means Clustering Algorithm
Plagiarism Report Summary of Special Session Papers					
1	AG1	18		OK	Malware Scanner: A Signature-Based Malware Detection System for an android application
2	AG2	31	14	OK	Digital Image Forensic: Comparative Scrutiny of Foregoing Techniques
3	AG3	26		OK	An approach for secure software development life cycle in small software firms
4	AG4	16		OK	Implementation of lean six sigma in IT SME's for software process optimization and minimization of wastes: A Survey
5	AG5	20		OK	STUDY OF RECOMMENDATION SYSTEMS : TYPES, ISSUES AND USE CASES
6	AG6	12		OK	A Hybrid Cloud Security Model for Securing Data on Cloud
7	AG7	24		OK	A Review on generative Adversarial Networks used for image reconstruction in Medical imaging
8	AG8	40			Prediction of cotton quality Using Support Vector Machines
9	AG9	15		OK	Implementation of Customized Adaptive Algorithms for Visualization of Stereoscopic Face Mask
10	AG10	16		OK	IntelliHolo : 3D Modelled Artificial Intelligence with Mixed Reality; A Review
11	AG11	17		OK	A Review Paper on "Real time Speech-Driven Facial Animation using GANs
12	AG12	36	25_11		An optimal optimal Approach for Cuckoo Search Optimization for the Classification of Remote Sensing Image Processing
13	AG13	29		OK	REVIEW PAPER ON AUTOMOBILE SHOWCASE APPLICATION WITH VOICE CONTROL
14	AG14	62			IN DISTRIBUTION SYSTEM MINIMUM LOSS RECONFIGURATION USING ANT COLONY OPTIMIZATION ALGORITHM
15	AG15	88			AGENT BASED VALET PARKING SYSTEM USING MACHINE LEARNING

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16	AG16	15		OK	A Deep Study on Construction Waste management using Machine learning
17	AG17	45			Alerting System For Gas Leakage In Pipeline
18	AG18	38			A Survey of Recent Feature Extraction Methods for Speaker Recognition
19	AG19	20		OK	Design & Analysis of High voltage-power Ion Propulsion System for UAV
20	MA01	31	28	OK	Research Challenges in Breast Cancer Classification through Medical Imaging Modalities using Machine Learning
21	SAB01-revised	32	27	OK	Design of Area Efficient Shift Register and Scan Flip-Flop based on QCA
22	SAB02-revised	40	30	OK	Design and Modeling of an Ultra-Efficient 3x3 SSG-1 Reversible Gate for Nanoscale Applications
23	SAB03-revised	45	28	OK	DESIGN OF WEARABLE ANTENNAS
24	SAB04-revised	35	23	OK	A Low-Voltage Low-Power Positive Feedback Operational Amplifier using Carbon Nanotube Field Effect Transistor
25	SAB05	20	20	OK	Secure Data Storage in Cloud Using Encryption Algorithm
26	SAB06-revised	46	38		Covid-19 Detection using chest X-Ray Images
27	SAB07	6		OK	Graphology based Human Behavior and Personality Identification using Artificial Neural Networks
28	SAB08	17		OK	Political Ideology Prediction from Bengali Text Using Word Embedding Models
29	SAB09	16		OK	Smart Approach for Digital Vote
30	SAB10	42	30	OK	PATCH OR MICROSTRIP ANTENNA USING METAMATERIALS: A REVIEW
31	SAB11	55			Efficient Image Dehazing with Boundary Constraint and Contextual Regularization
32	SAB12	10		OK	Novel technique for script translation using NLP: Performance evaluation
33	SAB13	30		OK	Stacked Bi-LSTM with Attention and Contextual BERT Embeddings for Fake News Analysis
34	SAB14	31	22	OK	Design and implementation of 1-bit full adder using 2 half adders in Quantum cellular Automata

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35	SAB15	35			An overview of various charachteristics of SRAM bit-cell with CMOS, CNTFET and MRAM device technologies
36	SAB16	24		OK	The Effect of Technology Scaling and Cell Ratio, Pull-up Ratio on Stability of SRAM Cell Topologies in Nanometer Regime
37	SAB17	16		OK	Semantic Search Engine using Similarity Measure and Elastic Search for quicker information retrieval
38	SAB18	55	24	OK	DevOps Cloud Automation with Cost-Effectiveness
39	SAB19	28		OK	A Review Paper on Attendance Management System Using Face Recognition
40	SAB20	97	65		AUTOMATIC NUMBER PLATE RECOGNITION SYSTEM FOR VEHICLE IDENTIFICATION USING MACHINE LEARNING
41	SAB21	57			IOT and Intrusion detection system for smart cities based on Deep migration learning
42	SAB22	84	36_11		Stock Market Monitoring Using Raspberry Pi
43	SAB23	29		OK	Facial Emotion Recognition Using Deep Learning: A Survey
44	SAB24	50			Visual product identification for blind
45	SAB25	37			Twitter Sentiment Analysis using LSTM Algorithm
46	SAB26	40	20	OK	IoT based real time Soil nutrients detection
47	SAB27	15		OK	A review Paper :Image Synthesis Implementation for Viewed and Unviewed Sketches
48	SAB28	22		OK	CMOS Transimpedance Feedback Amplifier Design using Unity Gain Differential Amplifiers
49	SAB29	23		OK	A Methodical Overview on Detection, Identification and Proactive Prevention of Phishing Websites
50	SAB30	13		OK	REAL TIME DATA ANALYSIS AND CONTROLLING OF AN INDUCTION MOTOR USING POWER LINE CARRIER COMMUNICATION (P.L.C.C.)
51	SAB31	34			PWM BASED THREE PHASE INVERTER USING MICROCONTROLLER LPC2148
52	SAB32	28		OK	Fusion Based Image Retrieval using Haralick Moments and TSBTC Features
53	AE01	26		OK	Analysis on IoT based fault Identification methodology in oil pipelines – review
54	AE02	32			Study of diet recommendation model using different soft computing technique

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55	AE03	5		OK	FUZZY APLICATION FOR SCHEDULING DELIVERY OF GOODS WITH LIMITED RESOURCES AND MINIMUM TIME
56	AE04	24		OK	Simulatinon Scheduling Real Time Systems using Smart Genetic Algorithms
57	AE05	4		OK	PROPAGATION ARTIFICIAL NEURAL NETWORK TO ANALYSIS TWO DIMENSIONAL IMAGE RESULTS
58	AE06	14		OK	: INTERNET OF THINGS (IOT) AND WIRELESS SENSOR NETWORK (WSN) SOLUTION IN SMART ENVIRONMENTAL MONITORING
59	AE07	28		OK	IOT BASED WATER QUALITY MONITORING SYSTEM BY USING ZIGBEE PROTOCOL
60	AE08	19		OK	: An Advanced Telemedicine Platform including Wireless Titration and Home Automated Ventilation Optimizations
61	AE09	21		OK	Study on the City Price measurement Framework Based on Big Data
62	AE10	23		OK	ELECTROMYOGRAM BASED BOT-ASSISTIVE DEVICE FOR PARALYZED PEOPLE
63	ST01	19		OK	Hybrid Secure Cloud Storage data based on improved Encryption Scheme
64	ST02	19		OK	LOW LEAKAGE FULLY HALF-SELECT-FREE ROBUST SRAM CELLS WITH BTI RELIABILITY ANALYSIS
65	ST03	20		OK	Resource Allocation in Device to Device Communication using Dynamic Programming
66	ST04	26		OK	A Novel Token based Authentication Algorithm for DoS attacks in Wireless Sensor Network
67	ST05	36	29	OK	Detection of Epileptic Seizures using Convolutional Neural Network
68	ST06	99			MULTI-AGENT SYSTEMS IN VIRTUAL ENTERPRISES
69	ST07	66			AN OPTIMIZED ANN USING PSO FOR LIVER DISEASE PREDICTION PLACED ON BIG DATA DOMAIN
70	ST08	36	23	OK	Efficient and secure file transfer in cloud through double encryption using AES and RSA algorithm
71	ST09	48	45		ARTIFICIAL INTELLIGENCE: A SUPERPOWER IN POST COVID WORLD

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72	ST10	76			MRI BRAIN TUMOUR SEGMENTATION USING ADAPTIVE THRESHOLDING AND SVM CLASSIFIER
73	ST11	44			Skin Lesion Classification Using Pre-Trained DenseNet201 Deep Neural Network
74	ST12	26		OK	Localization and prediction of spinal vertebrae fracture in human body using deep learning approach: Review Paper
75	ST13	27		OK	Controller Design for Converters in Hybrid Renewable Energy Sources with Microgrid
76	ST14	96			Breast Cancer Detection Using Decision Tree Classifier
77	ST15	95			Safety Helmet Wearing Detection Based On Deep Learning
78	ST16	47			DESIGN OF INTERNET OF VEHICLES (IoV) AND SAFTY MANAGEMENT SYSTEM USING NODE MCU
79	ST17	41			Travel Route Recommendation Using User Mobility and Social Interactions
80	ST18	62			Evaluation of CNN using radiographic hand x rays under deep learning
81	ST19	57			OPTIMIZED INTRUSION DETECTION SYSTEM USING MACHINE LEARNING ALGORITHMS
82	ST20	17		OK	Performance Enhancement of Microstrip Antenna at ISM Band using Slots
83	ST21	22		OK	A MACHINE LEARNING PATIENT CENTRIC APPROACH IN HEALTH CARE: A COMPUTATIONALLY EFFICIENT IMPROVED FEATURE EXTRACTION USING SPIHT AND DWT TECHNIQUES OF RSA ENCRYPTED ECG SIGNAL
84	ST22	59			Performance Analysis of SVM Classification Model for Diagnosis of Alzheimer's Disease
85	RK01	31	23	OK	A Hybrid Approach to Improve Classification Performance using WMOT Tool
86	RK02	27		OK	Analyzing the Application of SMOTE on Machine Learning Classifiers
87	RK03	28		OK	Rice diseases detection using Convolutional Neural Networks: A Survey
88	RK04	31	21	OK	A Table Based Attack Detection (TBAD) scheme for Internet of Things: An approach for Smart City Environment
89	RK05	39			A hybrid Intrusion Detection System integrating K-Means and Adaptive SVM

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90	RK06	29		OK	Recognition of Children Punjabi Speech using Tonal Non-Tonal Classifier
91	RK07	21		OK	FEATURE EXTRACTION USING IMAGE ENHANCEMENT TECHNIQUES
92	RK08	25		OK	N-CNN Based Transfer Learning Method for Classification of Powdery Mildew Wheat Disease
93	RK09	23		OK	NORA and RODS the two Data Mining Technologies for National Security- A Review
94	RK10	20		OK	Empowering Cities through Data Analytics
95	RK11	29		OK	https://drive.google.com/file/d/1S-ojlHIPm37jNSdH_UoNUv80d7aX786i/view?usp=sharing
96	RK12	15		OK	Design and Development of IoT Enabled Hybrid Wheelchair cum Bed
97	RK13	26		OK	Comparative Study to Detect Driver Drowsiness
98	RK14	24		OK	Deep learning in Human Gait Recognition: An Overview
99	SNP01	25		OK	A systematic review of cardiovascular disease dataset
100	SNP02	29		OK	Adaptive Headlight System for Accident Prevention
101	SNP03	15		OK	Comprehensive Analysis for Fraud Detection of Credit Card through Machine Learning
102	SNP04	24		OK	A – EYE: Mobile Application for Object Detection and Text Recognition to help Visually Impaired People
103	SNP05	43	34		Human Speech Emotion Recognition Using Machine Learning
104	SNP06	37			Malware Analysis
105	SNP07	54			An Insight on Methodologies Used For Predictive Machine Health Monitoring: Review
106	SNP08	38			Rethinking Access Control Mechanism for Ubiquitous Computing
107	SNP09	2		OK	**Artificial Intelligence based intimation of Houses for Tenants, Landlords and Other Folks**
108	SNP10	48	39		A Review on Systematic Investigation of Leukocyte Identification and Classification Techniques for Microscopic Blood Smear10NDyU7m/view?usp=sharing
109	TD01	47	32		Classification and Implementation of histopathology image using Deep Learning Neural Network
110	TD02	59	23	OK	Real-time Emotional Self-regulation and Stress Monitoring System
111	TD03	60			Currency recognition for blind people

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112	TD04	26		OK	Categorization of diabetic retinopathy and identification of characteristics to assist effective diagnosis
113	TD05	73			A study on task offloading in mobile edge computing using Deep Reinforcement Learning
114	AKG01	13		OK	Confrontation- Wi-Fi Risks and Data Breach
115	AKG02	36			A lightweight UHF-RFID Readers using 4×2 Patch Antenna Array with Integrated Feeding Network
116	AKG03	32	33		Face Misclassification Detection using Facial Landmark Features
117	AKG04	52			OPTIMIZATION OFCELLFREE MASSIVE MIMO SYSTEM
118	AKG05	23		OK	Intelligent Traffic Control System Using Python Programming
119	AKG06	45			REVIEW OF RADIO WAVE APPLICATIONS AND CONGNITIVE NETWORKS
120	SS01	40			An approach to mine frequent item sets considering average utility
121	SS02	37	29	OK	Detection of Epileptic Seizures using Convolutional Neural Network
122	SS03	10		OK	Effect and challenges of Artificial Intelligence and Robotics in Automation and Industries
123	SS04	27		OK	Self-directed Robot for Car Driving using Genetic Algorithm
124	SS05	34			Video Compression Engine using Auto Encoders
125	SS06	25		OK	Analysis of Computational Model for Detection and Reconstruction of Impaired Gait using Numerical Technique
126	SS07	39	31		Supervised and Unsupervised Machine Learning based Review on Diabetes Care
127	SS08	17		OK	Performance Comparison of Machine Learning Classifier for Heart Disease
128	SS09	12		OK	Movies Buzz: Impacts and opportunities for transformation in the Indian Industry
129	SS10	11		OK	A Comprehensive Study on Weather Forecasting using Machine learning
130	SS11	35	33		Predicting User Response Via Brain Signals: A Deep Learning Approach
131	SS12	34	16	OK	LIFE EXPECTANCY POST THORACIC SURGERY
132	SS13	41			Brain Tumor Extraction from MRI Images Using MATLAB

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133	SS14	26		OK	Selection of Tree Based Ensemble Classifier for Detecting Network Attacks in IoT
134	PH01	48	33		Design and Implementation of N –Bit XOR based Carry Select Adder for Low Power and Reduced Area Applications
135	PH02	29		OK	Design of Bi-Static Scatterometer for soil moisture Estimation
136	PH03	74			Cascaded Integrator Comb Filter Design for Digital Down Converter on FPGA
137	PH04	33	18	OK	Comparative Assessment of Biasing Techniques In CMOS Operational Amplifier
138	PH05	19		OK	Design of Cost Effective Solar Powered Raspberry-Pi based Pesticide Sprayer Robot
139	PH06	10		OK	Random Search Technique to find the Dialects of Telugu Language
140	PH07	39	18	OK	Medicine Allotment for COVID-19 Patients by Statistical Data Analysis
141	PH08	41	28	OK	Hexagonal Shaped Micro-strip Patch Antenna Design using CST Microwave Studio
142	PH09	12		OK	Design and Implementation of IoT based Autonomous Robot for Military Applications
143	PH10	49			Arduino Asset Tracking System using Internet of Things
144	PH11	17		OK	Raspberry Pi Vehicle Gateway System with Image Processing based Authorization Detection using IoT
145	PH12	25		OK	Semantics-Driven safety measures in distributed Big Data systems on IoT
146	PH13	16		OK	IOT ENABLED POWER MONITORING AND CONTROL OF SINGLE PHASE INDUCTION MOTOR
147	PH14	19_13			A quantitative study of small dataset machining by Agglomerative hierarchical cluster and K-Medoid
148	PH15	13		OK	LabVIEW Implemented Smart Security Systems Using National Instruments MyRio
149	PH16	75			A STUDY ON LEARNING ANALYTICS WITH RECOMMENDED SYSTEM
150	PH17	23		OK	Analysis of CT Lung Cancer Images Detected by Using Image Processing

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151	PH18	19		OK	Efficient Multiplier Architecture for ECC Core
152	PH19	25		OK	Design and Implementation of Low Power High Speed Robust 10T SRAM
153	PH20	11		OK	ERROR DETECTION AND CORRECTION IN TCAMS BASED SRAM
154	PH21	19		OK	Design and Implentation of Analysis of Different Types SRAM Cell Topologies
155	PH22	28		OK	Energy-Aware Architecture of Reactive Routing in WSNs Based on the Existing Intermediate Node State: An Extension to EBRS Method
156	PH23	49			A Survey On Context Based Medical Image Processing Using Machine Learning
157	PH24	38			Colour image retrieval with a Weighted Adjacent Structure Model
158	PH25	19		OK	An effective colour image retrieval with fusion based CNN frameworks
159	PH26	91			Pollution Performance of RTV Coated Insulators
160	SAP01	26		OK	Machine Learning Approaches for Detection and diagnosis of Parkinson's disease using Voice data: a review
161	SAP02	23		OK	NodeMCU Esp8266 based IoT Secure Smart Room
162	SAP03	37			Automated Fiber Quantification for Alzheimer's Disease Diagnosis from Neuropsychological Biomarkers
163	SAP04	26		OK	Integration of Internet of Things and Blockchain for Smart Agriculture: A Survey
164	SAP05	19		OK	Deserialization Attack in Python
165	SAP06	17		OK	Recent Techniques in Sentiment Analysis On Medical Data: Review
166	SAP07	35			Biogas Generation Potential From Landfill Leachate Of Municipal Solid Waste– A Lab Scale Study
167	SAP08	40			Compressed Lightweight Framework for CloudIoT
168	SAP09	29		OK	Comparative Analysis of Cluster Based Image Segmentation
169	SAP10	28		OK	Comparative Study on Human Activity Recognition Using Machine Learning and Deep Learning approaches
170	SAP11	17		OK	Neuro-Fuzzy and Particle Swarm Optimization based Hybrid Approach for Stock Price Forecasting

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171	SAP12	16		OK	Design and Verification of 16 bit RISC Processor Using Vedic Mathematics
172	SAP13	21		OK	Novel Healthcare Chatbot System using Artificial Intelligence
173	SAP14	14		OK	A Survey on the Role of Blockchain Technology in Internet of Vehicles(IoV)
174	SAP15	36			Applications of IOT for Crop Monitoring
175	SAp16	31			ABCDSM: Automated Breast Cancer Detection and Segmentation in a Mammogram using Machine Learning Algorithms
176	EP01	10		OK	Domestic Cooking Companion Using IOT
177	EP02	27	12	OK	Predicting Dengue Incidence: A Multi Stage Machine Learning Approach
178	EP03	26		OK	IOT BASED SMART GARDENING WITH HUMAN PATH CLEARANCE
179	EP04	18		OK	Design and Development of Medicine Retrivel Robot for Pharmaceutical Application
180	EP05	17		OK	Genetic Algorithm Based Robust H∞ Loop Shaping Control Of SI Engines
181	EP06	38	20_14		Raspberry Pi Based Braille Image To Speech Convertor For Blind Persons
182	EP07	10		OK	Automatic Opening Of Emergency Exit In Passenger Vehicles
183	EP08	29		OK	Automatic Dipping Meter and Detection of Fuel Theft for Fuel Transporting Vehicle
184	EP09	15		OK	SMART AND SAFE DRIVING BY IMPLEMENTING VARIOUS IOT SENSOR
185	EP10	6		OK	DESIGN AND FABRICATION OF OVERSPEED PORTEND AND FUEL SUSPEND SYSTEM
186	EP11	30		OK	A Study on the Design and Fabrication of Dry Cell Eectrolysis Setup for Hydrogen Generation
187	EP12	24		OK	A Novel Experimental Strategy on Medium Density Cleaner Automation in Paper and Pulp Industry Using PLC
188	EP13	46	33		Automatic Accident Detection and Management System using IoV

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189	EP14	25		OK	Real Time Performance Analysis Of Temperature Process Using Continuous Stirred Tank Reactor
190	EP15	10		OK	Agility through Product design in the era of Industry 4.0
191	EP16	9		OK	Autonomous Vehicle Directional Indicator System
192	EP17	13		OK	AUTOMATIC VEHICLE SPEED INDICATION SYSTEM
193	EP18	26		OK	Static Mechanical Properties and Mode -I Fracture Behaviours of Agave Americana/Kenaf Fiber Reinforced Hybrid Composite
194	EP19	15		OK	Flood Risk Area Identification of Pune District using GIS Techniques
195	SPL16-01	28		OK	Blockchain Technology for IoT Security
196	SPL16-02	22		OK	IoT-Chain Architecture: Sustainable and Secure Internet of Things (IoT) Architecture Integrated with Blockchain Technology
197	SPL16-03	26		OK	Blockchain-based framework for Interoperable Electronic Health Record (EHR)
198	SPL16-04	38			Towards Trustworthiness of Electronic Health Record system using Blockchain
199	SPL16-05	20		OK	A Smart Strategy to Improve Shopping Service Quality using Internet of Things
200	SPL16-06	23		OK	Toward into the importance of cybersecurity awareness in academic institutions
201	SPL16-07	24		OK	Classification of Skin Cancer from X-ray Images using Convolution Neural Network
202	SPL16-08	21		OK	Blockchain-enabled Deep Reinforcement Learning Approach for Future Internet
203	SPL16-09	21		OK	Blockchain-enabled Mobile Healthcare System Architecture for the Real-Time Monitoring of the COVID-19 Patients
204	SPL16-10	23		OK	Blockchain-based Self-Sovereign Identity for Healthcare
205	SPL16-11	12		OK	Self-sovereign Identities based Immunity Credentials to fight COVID-19 Pandemic
206	SPL16-12	32			Applicability of Blockchain towards Mitigation of Distributed Denial of Service Attack in IoT
207	SPL16-13	24		OK	Blockchain-based Self-Sovereign Identity for COVID-19 Medical Passports and Immunity Certificates
208	SPL16-14	33			HIPAA and GDPR compliance solution for Blockchain-based EHR

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209	SPL16-15	20		OK	A Theoretical Nonspecificity Measuring Framework of Smart System Modelling of Crop Based on GAN and IoT Platform.
210	SPL16-16	35			A Comparative Performance Evaluation of Search Items and Experience Itemsin Amazon Costumer Reviews
211	SPL16-17	22		OK	Blockchain: Security Threats and Concerns
212	SPL16-18	25		OK	Deployment of Blockchain in Cloud Computing- A Comprehensive Review
213	SPL16-19	65			A study for predicting flowering of soybean by using GAN and Neural Network
214	SPL16-20	27		OK	Blockchain in Education: Future of Education in the perspective of Blockchain
215	SPL16-21	32			Study on Impact of Block Chain Technology: Novel Approach
216	SPL16-22	11		OK	Timestamping Service Towards a Secured Protocol for Blockchains Technology
217	SPL16-23	15		OK	Outlier Detection for Cybersecurity using Blockchain
218	SPL16-24	19		OK	Review of Mobile Adhoc Networks- Architecture, Usage and Applications
219	SPL16-25	46			Blockchain-enabled feedback model for e-learning systems
220	SPL16-26	15		OK	Smart Factory Locations for Blockchain Ownership Framework
221	SPL16-27	24		OK	Multi-label Domain Adaptation via Hypergraph
222	SPL16-28	22		OK	Security attacks in Blockchain network: challenges and proposed solution
223	ATK01	21		OK	Analysisof Predictive Data Mining Technique forDiseaseDiagnosisinBig Data
224	ATK02	85	34		Human Abnormal Activity Recognition using Multi-Class SVM Classification Approach in Tele-Health Care
225	ATK03	31	25	OK	STRESS & EMOTION RECOGNITION USING SENTIMENT ANALYSIS WITH EEG SIGNAL
226	ATK04	10		OK	HUMAN BRAIN SIGNAL BASED STRESS ANALYSIS USING ELECTROENCEPHALOGRAM SIGNALS
227	ATK05	16_11			AUTOMATED FRAMEWORK FOR GAS LEAK DETECTION & MONITORING SYSTEM

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Annexure-III

Session detail for 3rd IEEE ESCI 2021 (5th -7th March 2021) VALEDICTORY FUNCTION Time stamp

Participant	Name	Date	Start time	End time	Duration
1	Chetan Aher	03-07-2021 00:00	0.581944444	0.668055556	124 mins
3	AISSMS IOIT	03-07-2021 00:00	0.582638889	0.668055556	123 mins
4	Shivaji Gadadhe	03-07-2021 00:00	0.666666667	0.668055556	2 mins
6	Yog	03-07-2021 00:00	0.665972222	0.668055556	3 mins
8	Vaishali	03-07-2021 00:00	0.664583333	0.668055556	5 mins
10	pra.bormane09	03-07-2021 00:00	0.667361111	0.668055556	1 min
12	Dr. Amairullah Khan Lodhi	03-07-2021 00:00	0.664583333	0.668055556	5 mins
14	Amairullah Khan Lodhi	03-07-2021 00:00	0.663194444	0.664583333	3 mins
15	Amlan Mohanty	03-07-2021 00:00	0.660416667	0.660416667	1 min
17	Sanskriti	03-07-2021 00:00	0.658333333	0.668055556	14 mins
19	Rujula Singh	03-07-2021 00:00	0.658333333	0.658333333	1 min
21	Adit	03-07-2021 00:00	0.658333333	0.6625	7 mins
23	Ankita Yadav	03-07-2021 00:00	0.661111111	0.661805556	2 mins
25	Sunil Somani	03-07-2021 00:00	0.658333333	0.668055556	15 mins
29	Dr Ratneshwar Dhanure	03-07-2021 00:00	0.654861111	0.655555556	1 min
31	Suhasini Goilkar	03-07-2021 00:00	0.654166667	0.660416667	9 mins
35	Simran Gadkari	03-07-2021 00:00	0.652777778	0.668055556	22 mins
37	Yash Burad	03-07-2021 00:00	0.652777778	0.659722222	11 mins
39	Ruchita Biradar	03-07-2021 00:00	0.652777778	0.654861111	4 mins
41	Priya Ghayal	03-07-2021 00:00	0.652083333	0.653472222	2 mins
43	Pinkey Chauhan	03-07-2021 00:00	0.652083333	0.668055556	24 mins
45	Soumya jain	03-07-2021 00:00	0.656944444	0.668055556	16 mins
47	SHIBIN D	03-07-2021 00:00	0.652777778	0.659722222	10 mins
49	Poojan Dalal	03-07-2021 00:00	0.652777778	0.65625	5 mins

51	poojan d	03-07-2021 00:00	0.652083333	0.652083333	1 min
52	Shibin D	03-07-2021 00:00	0.652083333	0.652083333	1 min
53	130 533 6318	03-07-2021 00:00	0.649305556	0.65625	11 mins
55	ganesh wani	03-07-2021 00:00	0.649305556	0.668055556	28 mins
57	Divya B V	03-07-2021 00:00	0.646527778	0.65625	15 mins
59	sagar pokharkar	03-07-2021 00:00	0.649305556	0.668055556	27 mins
61	grover aruquipa	03-07-2021 00:00	0.647916667	0.665972222	26 mins
63	bibhuprsad sahu	03-07-2021 00:00	0.647916667	0.653472222	9 mins
65	Reshma Totare	03-07-2021 00:00	0.643055556	0.652777778	14 mins
67	Aditya Shekhar Pethe	03-07-2021 00:00	0.64375	0.655555556	17 mins
69	vandana malode	03-07-2021 00:00	0.642361111	0.668055556	37 mins
71	Jeevan Prabhu	03-07-2021 00:00	0.643055556	0.668055556	37 mins
73	Manoj Patil	03-07-2021 00:00	0.642361111	0.647222222	7 mins
75	Somnath Mondal	03-07-2021 00:00	0.641666667	0.668055556	38 mins
77	Jaspin	03-07-2021 00:00	0.639583333	0.657638889	27 mins
79	Aishwarya Patki	03-07-2021 00:00	0.639583333	0.660416667	31 mins
81	P.A.Harsha Vardhini	03-07-2021 00:00	0.6375	0.668055556	45 mins
83	Charulata Patil	03-07-2021 00:00	0.636805556	0.668055556	45 mins
85	Suvarna R. Bhagwat	03-07-2021 00:00	0.636805556	0.645833333	14 mins
94	Charulata	03-07-2021 00:00	0.634027778	0.636111111	3 mins
96	Vishaka Mandge	03-07-2021 00:00	0.634027778	0.657638889	35 mins
99	Naveen P	03-07-2021 00:00	0.634027778	0.659722222	38 mins
101	Ujwal Shirode	03-07-2021 00:00	0.632638889	0.656944444	36 mins
103	Dr. Suhaib Ahmed	03-07-2021 00:00	0.631944444	0.659722222	40 mins
108	varshabendre22	03-07-2021 00:00	0.638888889	0.656944444	26 mins
110	M. Ponni Bala	03-07-2021 00:00	0.638888889	0.665277778	39 mins
113	Dr Gayatri Phade	03-07-2021 00:00	0.639583333	0.640277778	2 mins
117	Yusra Meraj	03-07-2021 00:00	0.634027778	0.668055556	50 mins
119	Merlin	03-07-2021 00:00	0.633333333	0.658333333	37 mins
121	thirupathi durgam	03-07-2021 00:00	0.631944444	0.659027778	39 mins
125	gourav	03-07-2021 00:00	0.630555556	0.668055556	54 mins
129	mangish	03-07-2021 00:00	0.630555556	0.668055556	55 mins

131	Nada AlHakkak	03-07-2021 00:00	0.629861111	0.659722222	43 mins
134	Khalid Kaleem	03-07-2021 00:00	0.629861111	0.65625	38 mins
136	Taniya	03-07-2021 00:00	0.63125	0.668055556	53 mins
143	Prateek Rao	03-07-2021 00:00	0.628472222	0.645833333	25 mins
145	farhat	03-07-2021 00:00	0.628472222	0.668055556	58 mins
147	JYOTI SAHU	03-07-2021 00:00	0.627777778	0.652777778	36 mins
151	SERIN V SIMPSON	03-07-2021 00:00	0.627777778	0.659722222	47 mins
153	Shilpa Nandedkar	03-07-2021 00:00	0.627083333	0.668055556	59 mins
155	Abhinav Kumar	03-07-2021 00:00	0.627083333	0.668055556	60 mins
157	Neetu Chikyal	03-07-2021 00:00	0.626388889	0.656944444	45 mins
160	Anway Shirgaonkar	03-07-2021 00:00	0.626388889	0.668055556	60 mins
162	Krishna Saboo	03-07-2021 00:00	0.626388889	0.668055556	60 mins
164	Nikhil kanawade	03-07-2021 00:00	0.626388889	0.627777778	3 mins
166	Megha Santhosh	03-07-2021 00:00	0.625694444	0.655555556	43 mins
168	Nonita Sharma	03-07-2021 00:00	0.625694444	0.655555556	43 mins
170	Sudhansu Ranjan Lenka	03-07-2021 00:00	0.625	0.668055556	62 mins
173	Rakshit	03-07-2021 00:00	0.624305556	0.652777778	41 mins
178	Maitreyi Kale	03-07-2021 00:00	0.623611111	0.654166667	44 mins
180	Anjali Jain	03-07-2021 00:00	0.622916667	0.6625	57 mins
182	Priya G Ghayal	03-07-2021 00:00	0.622916667	0.645833333	34 mins
184	Sarita Sanap	03-07-2021 00:00	0.628472222	0.645138889	24 mins
190	Vaishali Kamble	03-07-2021 00:00	0.628472222	0.655555556	40 mins
194	Vidyasagar Mekkalki	03-07-2021 00:00	0.628472222	0.668055556	58 mins
197	Shreyas Joshi	03-07-2021 00:00	0.627777778	0.656944444	43 mins
199	Dolu Vijay	03-07-2021 00:00	0.628472222	0.629861111	2 mins
203	Deepak Jha	03-07-2021 00:00	0.627083333	0.630555556	5 mins
205	Anagha Deshpande	03-07-2021 00:00	0.627083333	0.654166667	40 mins
207	Aditya Sharma	03-07-2021 00:00	0.627083333	0.659027778	47 mins
211	Vikram Apte	03-07-2021 00:00	0.627777778	0.668055556	59 mins
213	Janhavi Patil	03-07-2021 00:00	0.627777778	0.657638889	44 mins
215	jaya.h.dewan	03-07-2021 00:00	0.626388889	0.659027778	48 mins
219	Meenakshi Suresh	03-07-2021 00:00	0.625694444	0.668055556	61 mins

225	Dr.Jayshri Kulkarni	03-07-2021 00:00	0.625	0.668055556	62 mins
227	Dr. Mallikarjun Mudda	03-07-2021 00:00	0.625	0.668055556	63 mins
229	Yash Indulkar	03-07-2021 00:00	0.624305556	0.668055556	63 mins
231	Satya Sobhan Panigrahi	03-07-2021 00:00	0.624305556	0.661111111	54 mins
234	Dr. D. Ajitha	03-07-2021 00:00	0.623611111	0.666666667	63 mins
236	B.Prasanthi	03-07-2021 00:00	0.623611111	0.668055556	64 mins
238	Akash Bharadwaj N	03-07-2021 00:00	0.623611111	0.668055556	64 mins
242	Dr. Omkar Vaidya	03-07-2021 00:00	0.624305556	0.668055556	64 mins
247	SAMEEKSHA CHOUBEY	03-07-2021 00:00	0.623611111	0.668055556	64 mins
249	Ajjay Gaadhe	03-07-2021 00:00	0.622222222	0.657638889	51 mins
251	Rujula Singh R	03-07-2021 00:00	0.624305556	0.657638889	48 mins
253	BAMILA VIRGIN LOUIS A	03-07-2021 00:00	0.621527778	0.668055556	67 mins
255	Himanshi Vig	03-07-2021 00:00	0.620833333	0.668055556	68 mins
257	Girish Raut	03-07-2021 00:00	0.622222222	0.656944444	50 mins
259	Soha Kshirsagar	03-07-2021 00:00	0.622222222	0.668055556	66 mins
261	shyam kawale	03-07-2021 00:00	0.621527778	0.668055556	67 mins
263	Arghasree Banerjee	03-07-2021 00:00	0.621527778	0.629861111	13 mins
269	Sharayu A Lokhande	03-07-2021 00:00	0.620833333	0.660416667	57 mins
271	Reshma	03-07-2021 00:00	0.625	0.64375	27 mins
292	Pramod Deshmukh	03-07-2021 00:00	0.61875	0.653472222	51 mins
298	Nikhil Bansal	03-07-2021 00:00	0.619444444	0.668055556	70 mins
302	Mrunmayee Vijay Rane	03-07-2021 00:00	0.615972222	0.668055556	75 mins
304	Kritika Kapoor	03-07-2021 00:00	0.615972222	0.661111111	66 mins
306	GOPIKA B	03-07-2021 00:00	0.620833333	0.654861111	50 mins
310	Manisha Deshmukh	03-07-2021 00:00	0.614583333	0.668055556	77 mins
312	Shashidhar Nagaral	03-07-2021 00:00	0.614583333	0.668055556	78 mins
316	Arya Kulkarni	03-07-2021 00:00	0.619444444	0.663888889	64 mins
320	Gagan Deep Singh	03-07-2021 00:00	0.621527778	0.668055556	67 mins
322	Ashwath.S	03-07-2021 00:00	0.619444444	0.658333333	56 mins

324	Shubha M	03-07-2021 00:00	0.61875	0.661111111	61 mins
326	SRISHTI TIWARI	03-07-2021 00:00	0.61875	0.668055556	71 mins
328	Vishakha	03-07-2021 00:00	0.61875	0.668055556	72 mins
330	Sushant Vernekar	03-07-2021 00:00	0.618055556	0.663888889	67 mins
333	Pranav Kulkarni	03-07-2021 00:00	0.617361111	0.664583333	68 mins
335	Parth Shrivastav	03-07-2021 00:00	0.619444444	0.620138889	1 min
339	Dhruvil Shah	03-07-2021 00:00	0.616666667	0.654166667	54 mins
341	Nada M Alhakkak	03-07-2021 00:00	0.61875	0.630555556	18 mins
344	Gurusha Lulla	03-07-2021 00:00	0.619444444	0.622916667	5 mins
348	Abhishek Gokhale	03-07-2021 00:00	0.616666667	0.660416667	64 mins
350	Sarah Gawde	03-07-2021 00:00	0.617361111	0.654166667	53 mins
354	Dr.Ritesh Sadiwala	03-07-2021 00:00	0.628472222	0.668055556	57 mins
358	SATYAM	03-07-2021 00:00	0.618055556	0.657638889	58 mins
362	Shrutiya M	03-07-2021 00:00	0.614583333	0.668055556	77 mins
364	Sudesh Pawar	03-07-2021 00:00	0.613888889	0.668055556	78 mins
366	shamika Ghodke	03-07-2021 00:00	0.613888889	0.668055556	78 mins
368	Pankaj S. Gaur	03-07-2021 00:00	0.613194444	0.668055556	79 mins
370	PRASHANT KUMAR SWAIN	03-07-2021 00:00	0.613194444	0.668055556	79 mins
372	Arvitha M V S	03-07-2021 00:00	0.615277778	0.654861111	58 mins
378	Sahana Srinivasan	03-07-2021 00:00	0.626388889	0.666666667	59 mins
380	Vayangi Vishmi Vishara Ganepola	03-07-2021 00:00	0.603472222	0.668055556	94 mins
382	Ananda Paymode	03-07-2021 00:00	0.611111111	0.668055556	82 mins
384	Yogiraj Bhoomkar	03-07-2021 00:00	0.611111111	0.663888889	77 mins
387	Dr. Savitha Hiremath	03-07-2021 00:00	0.609027778	0.659722222	73 mins
389	Augustin Jose	03-07-2021 00:00	0.609027778	0.6125	6 mins
393	saran	03-07-2021 00:00	0.607638889	0.668055556	87 mins
395	Rahul diwate	03-07-2021 00:00	0.604861111	0.668055556	91 mins
397	Aadesh Mallya	03-07-2021 00:00	0.624305556	0.668055556	63 mins
399	Jenell Mathias	03-07-2021 00:00	0.617361111	0.668055556	73 mins
407	V.Prakasam	03-07-2021 00:00	0.622916667	0.645138889	32 mins

Team ESCI-21

"*The way a team plays as a whole determines its success. You may have the greatest bunch of individual stars in the world, but if they don't play together, the club won't be worth a dime.*" – *Babe Ruth*

Pune, Maharashtra, India

432, Railway Officers Colony, Somwar Peth, Pune, Maharashtra 411011, India
Lat N 18° 31' 53.1336"
Long E 73° 52' 2.1072"
07/03/21 04:03 PM