



AISSMS
INSTITUTE OF INFORMATION TECHNOLOGY
ADDING VALUE TO ENGINEERING
An Autonomous Institute Affiliated to Savitribai Phule Pune University
Approved by AICTE, New Delhi and Recognised by Govt. of Maharashtra
Accredited by NAAC with 'A+' Grade



*4th IEEE International
Conference on Emerging Smart
Computing and Informatics.
ESCI-2022*



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

4th IEEE International Conference on Emerging Smart Computing and Informatics (ESCI-2022)

Virtual Conference- 9th –11th March, 2022

Technically Co-Sponsored by



Sponsored by-

CSIR (Council of Scientific and Industrial Research)



Organized By

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

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Compiled & Editing by-
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Guide2Research



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ESCI-22 Highlights

Session/Keynote/tutorial participation Summery

<i>Total Papers received-</i>	665
<i>Selected papers-</i>	103 (Acceptance ratio-15.48)
<i>Papers from abroad-</i>	26-Turkey, Hong Kong, Egypt, Indonesia, Oman, South Africa, Vietnam, USA, UAE, Iraq, Bangladesh, Sri Lanka.
<i>Papers from India-</i>	394
<i>Papers out of Pune region -</i>	06
<i>Pune region registered -</i>	17
<i>Papers outside Maharashtra</i>	51
<i>No. of special sessions</i>	22
<i>Total no. of papers received through special sessions</i>	245
<i>Papers registered through special sessions</i>	37

Session Summery

<i>No. of paper presentation sessions</i>	14
<i>Keynote sessions</i>	6
<i>Tutorial sessions</i>	4
<i>No of participants for sessions</i>	1512

Best Papers

Sr.No	Session number	Track	Paper ID	Best Paper Title	Name of Presenter
1	1	Smart Computing	392	Design of Rubber Substrate based Flexible Antenna with DGS for WBAN Applications	Satyam
2	2	Image & Signal Processing	34	Optimization in Object Detection Model using YOLO.v3	Atharva Zagade
3	3	Smart Computing	397	Maximum Response Mechanism with Queue Dependent Requests in fog Network	Zhiwei Qiu
4	4	IoT And Automation	389	Pedestrian Detection and Tracking Through Kalman Filtering	Naga Venkata Sai Prakash Nagulapati
5	5	Image & Signal Processing	198	Gun Detection: Comparative analysis using transfer learning in single stage detectors	Chaitali Mahajan
6	6	Smart Computing	344	Artificial Neural Network Based Electricity Theft Detection	Dr. Shashikant Bakre
7	7	Smart Computing	347	IMPLEMENTATION - Surplus resources to Private Cloud	Harsh Oswal
8	8	Image & Signal Processing	293	Equivalent Input Disturbance Based Robust Control For Robot Manipulator Using Generalised	Santosh Rajgade
9	9	Special Session 1	VK1	A Fuzzy Statistical Perspective for Empirical Evaluation of EEG Classification Models for Epileptic Seizures	Renuka Suryawanshi
10	10	Special Session-2	RP_16	A Deep Learning Model for Human Emotion Recognition on Small Dataset	Rupali Gill
11	11	Special Session-3	SS05P B2	Railroad maintenance predictor system for metro railroad systems	Priyanka Prabhakaran
12	12	Special Session-4	SM_09	Structured Ranking method-based feature selection in data mining	Hemata Kumar Bhuyan
13	13	Special Session-5	HV_23	Artificial intelligence based cervical cancer risk prediction using ML algorithms	Gadaboina Madhuri
14	14	Special Session 6	VS_14	Efficient Data caching and computation Efficient Data caching and computation offloading strategy for edge network	Divya Gupta



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 4th IEEE International Conference on Emerging Smart Computing and Informatics (ESCI-2022) is the platform where academics and industry researchers present their latest algorithms, models and technologies and explore new trends and ideas on smart computing and informatics. The aim of this conference is to provide an allied platform for emerging trends in smart computing, networking, communication, signal and image processing, cyber security and IOT.

The key intention is to provide opportunity for the global participants to share the ideas and experiences in person with their peers expected to join from different part of the world. In addition this 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:

Track1: Smart Computing

Track2: Image and Signal Processing

Track3: IoT and Automation

Best Wishes Received for the
4th IEEE International Conference on Emerging Smart
Computing and Informatics (ESCI-2022)
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)

गणेशखिंद, पुणे-४११००७, भारत.

Savitribai Phule Pune University

(formerly University of Pune)
Ganeshkhind, Pune-411007, India.

दूरध्वनी : (कार्यालय) ०२०-२५६९३८६८

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प्रा. नितीन र. कर्मळकर
कुलमुरु

Prof. Nitin R. Karmalkar
Vice Chancellor



MESSAGE


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

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

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

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

My best wishes for the successful organization of this conference!


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

Ref. No.VC/३२

Date : १८/०२/२०२१

Message from President



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

It is a matter of contentment and pride for all of us that AISSMS Institute of Information Technology, Pune is organizing its 4th IEEE International Conference on Emerging Smart Computing & Informatics (IEEE-ESCI 2022) from 9th to 11th March 2022 on a consistent basis.

We are organizing the International Conference with a vision, and is significant for professionals as well as academia. We are making a step forward to focus on innovative concepts, best practices and continuous improvisation.

It is imperative that such conferences provide the exchange of views and ideas among academia, research community and industry experts. It aims to promote and generate multi-disciplinary interest in all areas of Engineering and Technology. This conference will provide foundation for scholars to potential smart computing and informatics applications.

The enthusiasm, dedication, and passion of the organizing team will go above and beyond to meet your expectations and make this conference a success.

Message from Hon. Secretary



Shri Malojiraje Chhatrapati

Hon. Secretary
All India Shri Shivaji Memorial Society, Pune

I am delighted to welcome all research scholars, academicians, students, and technology enthusiasts from academia and industry for the 4th IEEE International Conference on Emerging Smart Computing & Informatics (IEEE-ESCI 2022), which is organized by AISSMS Institute of Information Technology. AISSMS organization provides high-quality education, values, and one of the examples is the staging of international conferences.

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

I congratulate and appreciate all members of the AISSMS Institute of Information Technology, Pune team for their unwavering commitment for organizing IEEE-ESCI 2022 and their tireless efforts to ensure the event's success.

I'm expecting that the all the attendee will gain a lot of significant value from the conference. Best wishes for a successful, productive, and prosperous conference.

Message from Chair



Mr. Girish Khilari
Chair IEEE Pune
Section, Pune

It gives me immense pleasure to congratulate to All India Shri Shivaji Memorial Society's Institute of Information Technology (AISSMSIOIT), Pune for organizing consecutive 4th IEEE International Conference on Emerging Smart Computing & Informatics (IEEE-ESCI) during 9th-11th March 2022.

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

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

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

I wish the conference all success.

Message from General Chair

We extend a warm welcome to all invitees, delegates, academia, industrial experts, and exhibitors from around the world for the 4th IEEE International Conference on Emerging Smart Computing & Informatics (IEEE ESCI 2022), which will be held at AISSMS's Institute of Information Technology, Pune, IEEE Pune Section, and IEEE Signal Processing Chapter, Pune from March 9th to 11th, 2022. The entire organizing team's tireless efforts have brought this wonderful event to the scholarly community. We want to offer our sincere gratitude to each and every one of them for their extraordinary efforts.

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

We want to express our gratitude to the entire IEEE-ESCI 2022 team, as well as the reviewers. A grand-scale conference would not be possible without the active participation, efforts, and support of all stakeholders. Last but not the least, we would want to express our gratitude to all of the authors, dignitaries, and invited speakers for their time and expertise. We owe a huge debt of gratitude to the AISSM Society and IEEE for allowing us to put on such a fruitful conference.

We wish all participants a good conversation and excellent contributions on behalf of the entire ESCI 2022 team. With best regards,



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



Mr. Jagdish Chaudhari
General Chair IEEE
ICESCI-2022, Pune

Message from Organizing Chair

It gives us immense pleasure to welcome all the Research scholars, Industry experts, Faculty members & students for the 4th IEEE International Conference on Emerging Smart Computing & Informatics (IEEE ESCI 2022) scheduled on 9-11 March 2022 at AISSMS IOIT Pune.

This conference provides a fantastic opportunity for scholars to network interact, and meet world-renowned professionals while learning, exchanging ideas, and solving problems. Many high-quality expert conversations are expected to assist students and young researchers in learning about Smart Computing and Informatics. World-class keynote speeches, instructional talks, and special sessions will be presented by scholars and experts from academia, industry, and research organizations at IEEE ESCI-2022.

The overwhelming response of researchers to paper submission is a matter of pleasure to note. The participation of all the presenters at IEEE ESCI 2022 will enrich their experience with good interactions with international technical community.

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

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

All presenters' involvement in IEEE ESCI 2022 will expand their experience by allowing them to interact with members of the international technical community.

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



Dr. Suresh Limkar
Organizing Chair
IEEEICESCI-2022, Pune



Dr. Vivek Deshpande
Organizing Chair
IEEEICESCI-2022, 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-2022).

ESCI-2022 brings together researchers, academics, industry experts, and education leaders from all over the world to discuss an incredibly wide array of topics including Artificial Intelligence, Image Processing, Internet of Things (IoT), Agriculture, Medical, Industry 4.0, Smart Services, Security and Privacy and Communication Networks, to name a few.

The Technical Program of IEEE ESCI-2022 consists of 03-tracks and 22 special sessions, featuring emerging areas of applications. The conference also features with tutorials on recent topics like Machine Learning and Analytics, Analytics in Power Measurements, IoT and Data Center, and Machine learning as well as six keynotes on Machine Learning with Applications to Healthcare, Quantum Computing, High reporting rate measurement for Smart Grids, etc.

We received a total of 665 paper submissions for the conference, out of which 103 papers have been accepted and 78 papers have been registered for presentation and publication in the conference proceedings, yielding an acceptance rate of 15.48%. The submitting authors originate from various countries from all parts of the world. Every paper went through a rigorous review process, in which each paper received reviews from experts.

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 valuable work in shaping the Technical Program.

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



Dr. V. K. Bairagi

Technical Program Chairs

IEEE ESCI-2022



Dr. R. B. Dhumale

Technical Program Chairs

IEEE ESCI-2022

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AISSMSOIT, Pune, India

Dr. A. A. Shinde (Internet of Thing)
AISSMSOIT, Pune, India

Dr. V. V. Kale (Internet of Thing)
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Ms. P. S. Bhondve

ESCI 2022 Programme Schedule

Pre Conference Tutorial Session		Date : 8 th March 2022, Tuesday	
Speaker: Dr. Prachi Joshi Artificial Intelligence and Machine Learning,VIIT, Pune Topic: Researcher in the area of Artificial Intelligence and Machine Learning Link: https://tinyurl.com/4cz3w6vu Event number: 2515 579 0327 Event password: precon123 Coordinator : Mr. V. S. Kamble M:9158165918 Time: 11.00 am to 1.00 pm		Speaker: Mr. Koundinya Koorapati Senior Solution Architect, HCL Technologies, Bangaluru Karnataka, India Topic: IoT and Data Center. Impact, Requirements and Infrastructure Link: https://tinyurl.com/2p8ru9mn Event number:2517 291 3993 Event password: precon123 Coordinator: Mrs. S. S. Landge M:7774077173 Time: 11.00 am to 1.00 pm	
Speaker: Mr. Nikhil Malhotra Chief Innovation Officer, Creator of makers lab Topic: Machine learning Link: https://tinyurl.com/mr42dsem Event number: 2519 667 5855 Event password: precon123 Coordinator: Ms. S. M. Shaikh M:98817667867 Time :2.00 pm to 3.00pm		Speaker: Mr. Vinod Joshi Founder and Director at Intellect Process Solutions Topic: Analytics in Power Measurement Link: https://tinyurl.com/2p9473es Event number: 2519 362 574 Event password: precon123 Coordinator: Mr. S. M. Chaudhari M:9422504068 Time :2.00 pm to 3.00pm	
DAY - 1 : 9 th March 2022, Wednesday			
INAUGURAL FUNCTION			
Chief Guest: Dr. Vasudev K Aatre Eminent Scientist, Padma Vibhushan, Padma Bhushan, Ex-Chief of DRDO			
Honorary Chair : Dr. Ali Mirjalili Centre for Artificial Intelligence Research and Optimisation, Torrens University Australia Link : https://tinyurl.com/974dwj7e Event number: 2517 027 3289		Guest of Honor: Tomio Isogai Freelance Advisor in Indo-Japanese Relations Director, Kansai Japan India Cultural Society Kobe, Japan Time: 10.30 AM TO 11.30 AM	
Keynote Talk-01 Time : 12.30 PM TO 1.30 PM Speaker: Prof. K.V.S. HARI Professor, Department of ECE, Indian Institute of Science, Bangalore Topic: Machine learning with applications to Healthcare		I Link : https://tinyurl.com/2p9fjhw3 I Event number: 2513 615 1509 I Event Password: ioit123	
LUNCH BREAK 1.00 PM-2.00PM			
Keynote Talk-02 Time : 2.00 PM to 3.00PM Speaker: Dr. San Murugesan Professor , Sydney NSW Australia Topic: Quantum Computing: A Revolution in The Making		I Link: https://tinyurl.com/2p9fjhw3 I Event number: 2513 615 1509 I Event password : ioit123	

Technical Oral Presentation Session 1: Smart Computing

Session Coordinator: Mrs. Minal Zope : 9970098042 | Mr. Shashikant Kale: 9975703571

Link: <https://tinyurl.com/2p8f3dxw> | Event number: 2516 906 2763 | Event password: esci2022 | Time : 3.00 PM TO 5.00 PM

Sl. No.	Paper ID	Title
1	392	Design of Rubber Substrate based Flexible Antenna with DGS for WBAN Applications
2	317	Deep Learning-Based Comparative Study to Detect Polyp Removal in Endoscopic Images
3	418	So-Du-Ku Game Puzzle for Improving Shade dispersion factor on PV Array Systems under PSCs: Experimental Validation
4	283	Predicting Susceptibility to Covid Stress Using Data Mining
5	288	Improved Agent Based Load Balancing for Cloud Datacenter

Technical Oral Presentation session 2 : Image & Signal Processing

Session Coordinator: Mrs. Minal Nerkar: 9850173169 | Mr. Sachin Kokane : 9673037327

Link: <https://tinyurl.com/bdeaw4f7> | Event number: 2512 908 0725 | Event password: esci202 | Time : 3.00 PM TO 5.00 PM

Sl. No.	Paper ID	Title
1	127	An Intelligent Framework For Crime Prediction Using Behavioral Tracking And Motion Analysis
2	154	Automated Diagnosis of Pneumonia through Capsule Network in conjunction with ResNet50v2 model
3	363	Identification of Syllables for a Visual Speech Recognition System
4	34	Optimization in Object Detection Model using YOLO.v3
5	360	Improving Skin Disease Classification using Residual Attention Network

Technical Oral Presentation Session 3: Smart Computing

Session Coordinator: Mrs. Neha Patil : 9561508345 : | Mrs. Vineeta Philip:9881152957

Link: <https://tinyurl.com/4p3fbrdp> | Event number: 2511 905 7482 | Event password: esci2022 | Time : 3.00 PM TO 5.00 PM

Sl. No.	Paper ID	Title
1	158	Investigating the Role of Artificial Intelligence in Building Smart Contact on Block-Chain
2	263	Optimizing VM Allocation with Queue Dependent Requests in fog Network
3	397	Maximum Response Mechanism in Vehicular Cooperative Caching for C-V2X Networks
4	59	Education and Analysis of Autistic Patients Using Machine Learning
5	137	Campus Placements Prediction & Analysis using Machine Learning
6	410	Hybrid Software Reliability Prediction Model Using Feature Selection and Support Vector Classifier

DAY -2 : 10th March 2022, Thursday**Technical Oral Presentation Session 4 : Internet of Things**

Session Coordinator: Ms. Atiya Khan Pathan: 9960053721 | Mr. Sagar Pokharkar : 9822151244

Link: <https://tinyurl.com/56zk99nh> | Event number:2518 587 0240 | Event Password: esci2022 | Time : 10.00 AM to 12.00PM

Sl. No.	Paper ID	Title
1	30	Study of Disease Identification in Pomegranate Using Leaf Detection Technique
2	381	Use Of Smart Antennas For Collaborative Spectrum Sensing In Cognitive Radio
3	389	Pedestrian Detection and Tracking Through Kalman Filtering
4	64	A Burgeoning 6G Technology and its Cloud Services
5	234	A Modified Multiband Antenna for 5G Communication

Technical Oral Presentation Session 5: Image & Signal Processing

Session Coordinator: Mr. Nitin Bhone: 9021185621 | Mrs. Shobha Gopnarayan :90116172286

Link: <https://tinyurl.com/326zv2eh> | Event number:2512 465 2166 | Event Password: esci2022 | Time: 10.00 AM to 12.00 PM

Sl. No.	Paper ID	Title
1	276	Breast Cancer Detection: Comparative Analysis of Machine Learning Classification Techniques
2	373	Automated Seizure Detection using Theta Band
3	160	Experimental investigation of crop-disease detection and crop-yield analysis systems: A numerical outlook
4	172	Children Biometric Recognition for the betterment of Society using Deep intelligence
5	198	Gun Detection: Comparative analysis using transfer learning in single stage detectors

Technical Oral Presentation Session 6: Smart Computing

Session Coordinator: Mrs. Jayashree Pasalkar : 8408856344 | Mrs. Deepali Yewale: 9960730911

Link: <https://tinyurl.com/nhf97xfx> | Event number:2518 093 9954 | Event Password:esci2022 | Time: 10.00 AM to 12.00 PM

Sl. No.	Paper ID	Title
1	307	UVC Sanitizing Smart Kit
2	359	Improved Performance of PMSM using Tunicate Swarm optimization
3	344	Artificial Neural Network Based Electricity Theft Detection
4	150	Survey on various Time Forecasting Algorithms for predicting Covid-19 Cases
5	431	A Multiple-Stage Deep Learning Model for NID in MANET
6	163	New Approach for Solving Fully Fuzzy Linear Programming Problems

Keynote Talk -3	Time: 12.00 PM – 1.00 PM	I Link: https://tinyurl.com/2p8w57rc
Speaker: Dr. Mohamed Elhoseny		I Event number: 2517 221 7563
College of Computer Information Technology, Dubai UAE		I Event password: ioit123
Topic: Smart Sensor Technologies and Applications		I Coordinator: Mrs. S. N. Powniker

LUNCH BREAK 1.00 PM-2.00PM

Keynote Talk -4	Time: 2.00PM – 3.00 PM	Link: https://tinyurl.com/2p8w57rc
Speaker: Chyi-Yeu Lin		Event number: 2517 221 7563
Distinguished Professor		Event password : ioit123
(Director of Center for Intelligent Robots) Ph.D., University of Florida, U.S.A.		Coordinator : Mr. P. P. Mahajan M: 9763644533
Topic: Design Mechanics & AI & Robots		

Special Session 1

Session Coordinator: Mr. Shailesh Gawai : 8855078124 | Ms. Sandhya Ahire : 9975152810 | Mr. Mohsin Aftab Mulla
 Link: <https://tinyurl.com/2s38abts> | Event number: 2515 815 8703 | Event password: esci2022 | Time : 3.00 PM -5.00 PM

Sl. No.	Paper ID	Title
1	VK_01	A Fuzzy Statistical Perspective for Empirical Evaluation of EEG Classification Models for Epileptic Seizures
2	VK_03	An Empirical Investigation Of Dynamics Of Institutional Investors' Trading Behaviour And Stock Market Returns In India During COVID-19 Period
3	VK_08	Non-Polynomial Spline Technique For Numerical Simulation Of Singularly Perturbed Boundary Value Problem With Two Parameters And Its Application In Mechanics
4	VK_13	Enhancing the Convergence Speed and Accuracy of Particle Swarm Optimizers through Adaptive Learning
5	VK_20	A Game Theory Model for Optimization of the OTT Platform Strategies
6	VK_26	An Analytical Perspective for Diabetic Retinopathy Using Convolutional Neural Network
7	VK_34	Integration of CQCC and MFCC based Features for Replay Attack Detection

Technical Oral Presentation Session 7: Smart Computing

Session Coordinator: Mrs. Chitralekha Rananaware : 9284165920 | Mr. Sugar Pawar 8087685979 | Mr. Sachin A Kupade
 Link: <https://tinyurl.com/2p89wh95> | Event number: 2511 177 1093 | Event password: esci2022 | Time : 3.00 PM -5.00 PM

Sl. No.	Paper ID	Title
1	347	IMPLEMENTATION - Surplus resources to Private Cloud
2	239	Line Loss Reduction with Optimal Placement of DGs by using Contingency Analysis of 5 bus system
3	272	Day Ahead Hybrid Forecasting of Global Horizontal Irradiance using Machine Learning (Random Forest Algorithm) and Time-Series Model (SARIMAX)
4	45	Design of Multipliers Using Reversible Logic and TOFFOLI Gates
5	57	Tri-Plant Leaf Disease for Bell Paper, Tomato and Potato Classification Using CNN

Technical Oral Presentation Session 8: Internet of Things

Session Coordinator: Dr. Nidhi Sharma: 9168351100 | Ms. Supriya Lohar: 9420132597 | Mr. Vikram B Nalawade
 Link: <https://tinyurl.com/2p9bh7x7> | Event Number: 2518 452 6713 | Event Password : esci2022 | Time: 3.00 PM -5.00 PM

Sl. No.	Paper ID	Title
1	293	Equivalent Input Disturbance Based Robust Control For Robot Manipulator Using Generalised Extended State Observer
2	210	Safeguarding E-Healthcare Documents Utilizing an Infrastructure for Advanced Keyless Signature Infrastructure Blockchain Within the Cloud
3	225	RFE-ACO-RF: An approach for Cancer Microarray Data Diagnosis

Special Session 2

Session Coordinator: Ms. Divyarani Babar : 8625041213 | Mr. Prashant Sadaphule: 7588684770 | Mrs. Supriya P Kurlekar
 Link: <https://tinyurl.com/2p8ust3v> | Event number: 2511 469 6310 | Event password: esci2022 | Time : 3.00 PM -5.00 PM

Sl. No.	Paper ID	Title
1	RP_16	A Deep Learning Model for Human Emotion Recognition on Small Dataset
2	RP_18	Design of Depressed-core Four-ring Few-mode Fiber for Next-Generation Communication
3	RP_20	Cardiac Data Compression for Reduced Traffic on Application of IoMT
4	RP_17	Nonlinear System Identification Using Robust Fusion Kernel-Based Radial basis function Neural Network
5	RP_05	Deep Learning-Based Predictive Model for Defect Detection and Classification in Industry 4.0
6	RP_11	Patch-Based Classification for Alzheimer Disease using sMRI
7	RP_07	Smart Healthcare Support using Digital Image Processing and IoT
8	RP_04	Graphical User Interface Design and Implementation for Early Lung Cancer Diagnosis

Day 3 Date :11th March 2022, Friday**Special Session 3**

Session Coordinator: Mrs. Pragati Mahale: 9405371647 | Mrs. Archana Ubale : 9604789652
 Link: <https://tinyurl.com/2k3bmktc> | Event number: 2518 399 9484 | Event password: esci2022 | Time: 10.00 AM to 12.00PM

Sl. No.	Paper ID	Title
1	SS05PB1	Integrated Low-Cost Intelligent Solution for Inland Aquaculture
2	SS05PB2	Railroad maintenance predictor system for metro railroad systems
3	SS05PB3	Computer Vision Based Smart Agriculture Storage with Quality and Quantity Analysis and Recipe suggestion
4	SS05PB4	Neoteric experimental PLC Configuration using Wireless Local Area Network (WLAN) Technology in paper Industry
5	SV_08	Secure Authentication Scheme for Medical care applications based on IoT
6	SV_10	Comparative Analysis of Liver diseases by using Machine Learning Techniques

Special session 4

Session Coordinator: Mrs. Geeta Salunke: 9850218602 | Mr. Sagar Bhopale: 9527754425
 Link: <https://tinyurl.com/2p8js88u> | Event number: 2515 152 4165 | Event password: esci2022 | Time: 10.00 AM to 12.00 PM

Sl. No.	Paper ID	Title
1	SM-10	An Intelligent Framework for Alzheimer's disease Classification Using EfficientNet Transfer Learning Model
2	SM-16	Honey-Bee based Load balanced Packet scheduling MAC protocol for IoT-enabled healthcare system

3	SM_09	Structured Ranking method-based feature selection in data mining
4	RK_01	Detection of Epileptic Seizure using Fast Adaptive Neuro Fuzzy Inference System
5	RK_13	Analyzing the impact of Augmented Reality based Digital Environment on Students' Learning
6	RK_16	An Event Study Analysis on Stock Market Reaction amid Geo-Political Crisis in India

Special session 5

Session Coordinator: Mr. Shivaji Gadadhe: 9096618989 | Mr. Milind Gajare : 8275053999

Link: <https://tinyurl.com/3b8u85kk> | Event number: 2516 458 1709 | Event password: esci2022 Time: 10.00 AM to 12.00 PM

Sl. No.	Paper ID	Title
1	HV_23	Artificial intelligence based cervical cancer risk prediction using ml algorithms
2	SSAK_01	Performance Analysis of Massive MIMO Millimeter Wave NOMA HetNet
3	ST_04	Design and Simulation of Circular Coplanar Textile Antenna with C – Slot
4	RA_03	Sentimental analysis on E-Learning videos using Hybrid Algorithm based on Naïve Bayes and SVM
5	RA_09	A Novel Framework to Perform Efficient Analysis of Animal Sciences Using Big Data

Special session 6

Session Coordinator: Mrs. Anuja Phapale: 9730299992 | Mr. Amol Chaudhari : 9860905183

Link: <https://tinyurl.com/3ubyy734> | Event number: 25178041357 | Event password: esci2022 | Time: 10.00 AM to 12.00 PM

Sl. No.	Paper ID	Title
1	VK_2	A Statistical Perspective for Empirical Analysis of Bio-Inspired Algorithms for Medical Disease Detection
2	VS_10	WeatherNet: Transfer learning-based weather recognition model
3	VS_14	Efficient Data caching and computation Efficient Data caching and computation offloading strategy for edge network
4	VS_15	Optimal Resource Allocation by Reverse Optimal Resource Allocation by Reverse Stackelberg Game Approach in Blockchain
5	VK_16	An Empirical Analysis of smart grid deployment system models based on demand side perspective
6	VS_17	Lightweight modified consensus approach in IoT Blockchain

LUNCH BREAK 1.00 PM-2.00PM

Keynote Talk-05 | Time : 2.00 PM to 3.00 PM

Speaker: Prof. Mihaela Albu

Politehnica University of Bucharest, Romania

Topic: High Reporting Rate Measurements for Smart[er] Grids

| Link: <https://tinyurl.com/4ms9p3d5>

| Event number: 25161511925

| Event password: ioit123

VALEDICTORY 3.00 PM TO 5.00 PM

Link: <https://tinyurl.com/2p96nk8c> | Event Number: 2519 813 8375 | Event Password : esci2022

Inauguration Function

The education field should be smart for innovative and smart technology.-Dr.Vasudev Atre



Inauguration of ESCI-22: Lamp lightning-

L-R Mr. Abhijit Khurpe, Prof. Mandar Khurjekar, Mr. Jagdish Chaudhari, Dr.Vivek Deshpande, Dr.S.T.Jadhav, Dr.P.B.Mane, Mr. Suresh Shinde, Mr.Girish Khilari & Mr. Tomio Ishogai.

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

The key intention is to provide an opportunity for the global participants to share their ideas and experiences in person with their peers expected to join from different parts of the world. In addition to this, the gathering will help the delegates to establish 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 **Chief Guest, Padma Vibhushan, Padma Bhushan, and Ex-Chief of DRDO -Dr.Vasudev Atre** through online platform.

During his talk, Dr.Vasudev Atre explained how technology evolved and the journey of technology up to today's Smart Computing and Informatics in a very informative and interesting way. In his speech, he said, "Students should help to set up socially useful projects using multidimensional technologies with the help of interdisciplinary courses and emerging fields like artificial intelligence, data science and MEMS" He congratulated AISSMS IOIT for organizing such a wonderful conference through online platform and grabbing opportunity in adversity of current situation and wished the best for it.

Shri Malojiraje Chhatrapati, Secretary AISSM Society sent his well wishing message for guest 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 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. IEEE's Pune section president Mr.Girish Khilari briefed the gathering by highlighting need of raising bar of quality and standards in higher education by focusing on important keywords like benefit of humanity, improving global condition. Enhance public understanding.

At the time of inauguration guest of honor Mr.Tomio Ishogai, Honorary joint Secretary Mr. Suresh Shinde, IEEE's Pune section president Mr.Girish Khilare, General chair Dr.Jagdish Chaudhari , sponceror Dr. S.T.Jadhav,Mr.Ganesh Chaudhari, Mr.Bhushan Muthian were present.

The aim of this conference was 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.

Technical program chair Dr.V.K.Bairagi said 'The conference has received overall 665 papers out of which 78 research papers will be presented.'

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



Unveiling of abstract book of ESCI-22

L to R: Dr. Suresh Limkar, Dr.V.K.Bairagi, Dr.P.B.Mane, Mr.Tomio Ishogai, Mr.Girish Khilare, Dr.Mandar Khurjekar, Dr.Vivek Deshpande & Mr. Jagdish Chaudhari

Photo Gallery



Felicitatation of Honorary joint Secretary Mr. Suresh Shinde, IEEE's Pune section president Mr. Girish Khilari, Vice-chair Dr.Jagdish Chaudhari and Mr. Tomio Ishogai



Glimpses of ESCI-22

Technical Summery

Technical details of the International Conference on Emerging Smart Computing & Informatics ESCI-2022.

Papers received -665 papers.

We have followed 4 level review processes.

Level 1: Technical Quality check done by TPC.

Level 2: Plagiarism check, where we have used IEEE supported plagiarism detection software called crosscheck.

Level 3: Review by at-least 2 external reviewers, who are the experts in the domain.

Level 4: Review & final decision by technical program committee.

In the first quality check at level 1, 297 papers were rejected because of a lack of sufficient technical details in them.

Out of the remaining papers, 104 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.

Track1: Smart computing under which we have received 237 papers

Track 2: Image and signal processing - under which we have received 107 papers

Track 3: IoT - under which we have received 76 papers

There were six track chairs, who have handled the review process.

There were 21 Special sessions, through which we have received 245 papers.

In our ESCI conference we were having 6 successful special sessions. 37 papers were registered for the conference through such special sessions.

There were 76 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 665 papers we could select only 103 papers.

So the acceptance ratio turnout near to be ~15.48%. Most of the reputed conferences are having an acceptance ratio of around 30%.

We have received 21 papers from foreign authors, of which only 6 were accepted and 4 papers from countries like Germany, Saudi Arabia, China and Bangladesh are registered.

There are 78 papers who have registered for the presentation

There are 51 papers from outside Maharashtra, 6 papers from Maharashtra but other than the Pune region & 17 papers from the Pune region.

We have arranged 5 keynote sessions and 4 tutorial sessions for participants. Around 1000 participants have taken benefits of all these sessions.

The presentation of papers was distributed in 14 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	
<i>Total Papers received-</i>	665
<i>Selected papers-</i>	103 (Acceptance ratio-15.48)
<i>Papers from abroad-</i>	26- Germany, Saudi arebia, China and Bangladesh.
<i>Papers from India-</i>	394
<i>Papers out of Pune region -</i>	06
<i>Pune region registered -</i>	17
<i>Papers outside Maharashtra</i>	51
<i>No.of special sessions</i>	22
<i>Total papers received through special sessions</i>	245
<i>Papers registered through special sessions</i>	37
Session Summery	
<i>No. of paper presentation sessions</i>	14
<i>Keynote sessions</i>	6
<i>Tutorial sessions</i>	4
<i>No of participants for sessions</i>	1512

Preconference Tutorial





IEEE

EMERGING SMART COMPUTING & INFORMATICS 2022

Preconference Tutorial Sessions On 08th March 2022



Dr. Prachi Joshi
 Researcher: Artificial Intelligence & Machine Learning,
 VIIT, Pune
Topic- Machine learning and Analytics
Time- 11:00 am to 01:00 pm (IST)

Mr. Vinod Joshi
 Founder and Director at Intellect Process Solutions,
 Pune
Topic- Analytics in Power Measurement
Time- 2:00pm to 4:00 pm (IST)





Mr. Koundinya Koorapati
 Senior Solution Architect, HCL Technologies, Bangaluru
 Karnataka, India
Topic- IoT & Data Center Impact,
 Requirements & Infrastructure
Time- 11:00 am to 01:00 pm (IST)

Mr. Nikhil Malhotra
 Chief Innovation Officer, Creator of makers lab,
 Tech Mahindra, Pune
Topic- Machine learning
Time- 2:00pm to 4:00 pm (IST)



Regards

Dr. P. B. Mane
 General Chair-ESCI2022
 Principal, AISSMS's Institute of Information Technology, Pune.

Academic Partner





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Detail Session-wise Report

Pre-Conference Tutorial Session-1

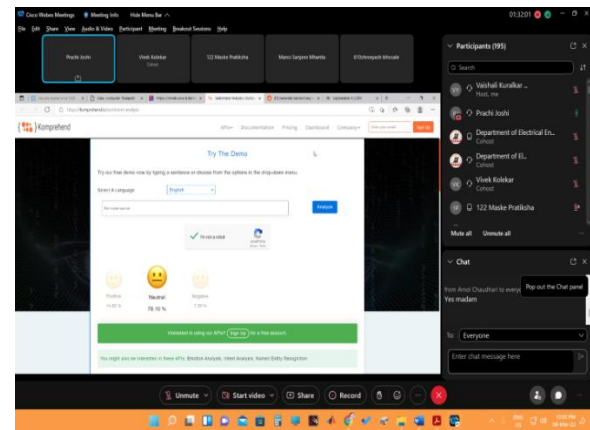
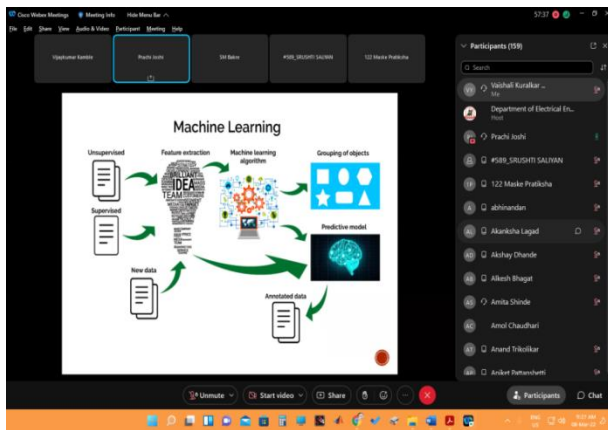
Topic -Machine learning and Analytics	Speaker (With designation) : Dr. Prachi Joshi Associate Professor & Associate Head in the Department of Artificial Intelligence and Data Science at VIIT Pune	
Day - Thursday	Date : 08.03.2022	Time : 11.00am to 01.00pm
Coordinators –Mr. Vijaykumar Kamble	Link https://aissmsioit.webex.com/aissmsioit/j.php?MTID=m5d17d963b354baf18e3047f08c0cae31	

Abstract tutorial –

Speaker Dr. Prachi Joshi discuss on the Artificial Intelligence, Machine learning & Deep learning. She explains the journey of AI, ML and DL and the present condition. Artificial intelligence and machine learning are the part of computer science that is 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 each other, but still both are the two different terms in various cases.

Total No of attendees

144



Session speaker delivering the lecture

Pre-Conference Tutorial Session-2

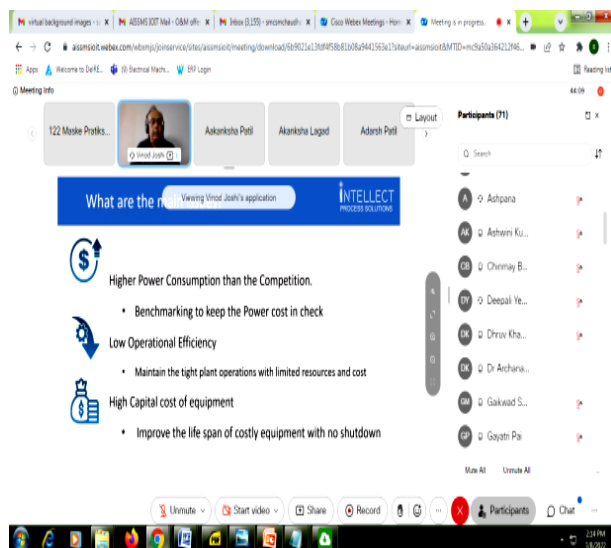
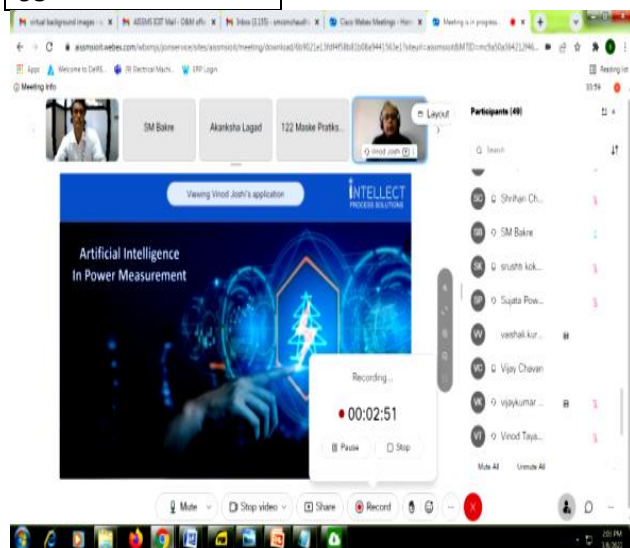
Topic- Analytics in Power Measurement	Speaker(With designation) Mr. Vinod Joshi (Founder and Director at Intellect Process Solutions)	
Day- Tuesday	Date- 8th March 2022	Time: 11.00am to 01.00pm
Coordinators- Mr. S. M. Chaudhari	Link- https://tinyurl.com/2p9473es	

Abstract of tutorial -

Speaker Mr. Vinod Joshi discuss on Areas of AI application, Economical of Industrial world, How Ai helps in enhancement of operational life and life span of industrial equipments, Case studies related to -3 Phase Induction motors, Compressor systems, Cooling systems were discussed. Applications were covered in the tutorial. The session was interactive and participants could get exposure to the AI applications in the field of Electrical Engineering.

Total No of attendees

95



Session speaker delivering the lecture

Pre Conference Tutorial-3

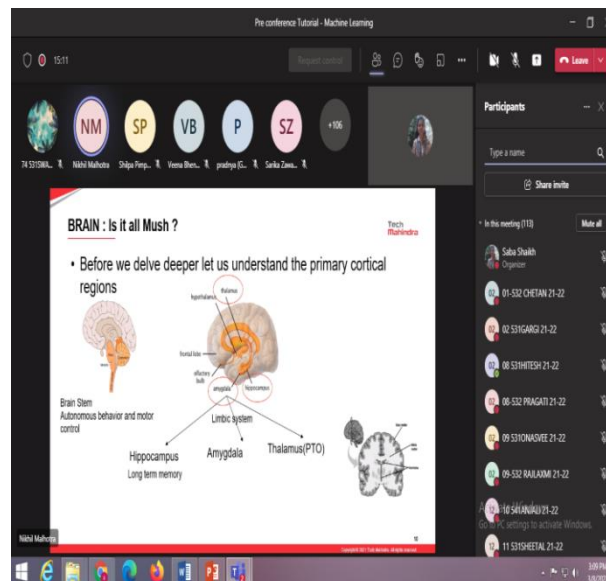
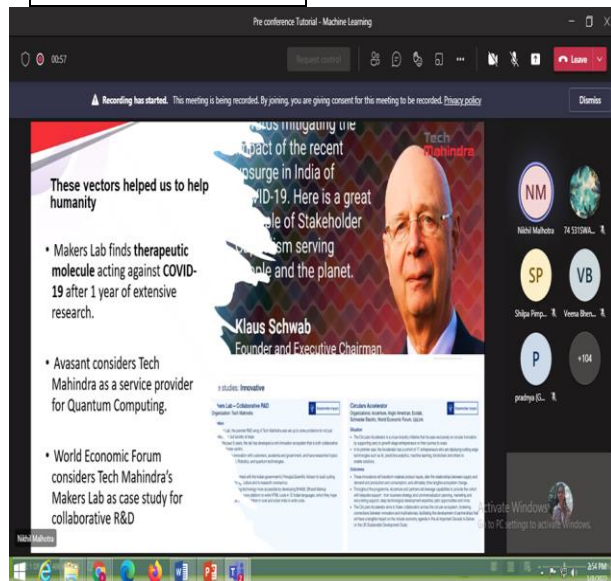
Topic-Machine learning	Speaker(With designation-) Mr. Nikhil Malhotra , Chief Innovation Officer and creator of Maker's Lab, Tech Mahindra	
Day- Tuesday	Date 08/03/2022	Time 2 pm to 3.45 pm
Coordinators- Mrs. Saba Shaikh	Link- https://tinyurl.com/mr42dsem changed to precon session-3	

Abstract of Session/keynote/Special session/tutorial -

The speaker covered the basics of Artificial intelligence and machine learning. He discussed the human brain and its functioning vis a vis the artificial intelligence applied in practice. He compared traditional programming with machine learning techniques. He also discussed neural network theorem and NLP algorithms. He also made the participants aware of the research areas in this domain.

Total No of attendees

111



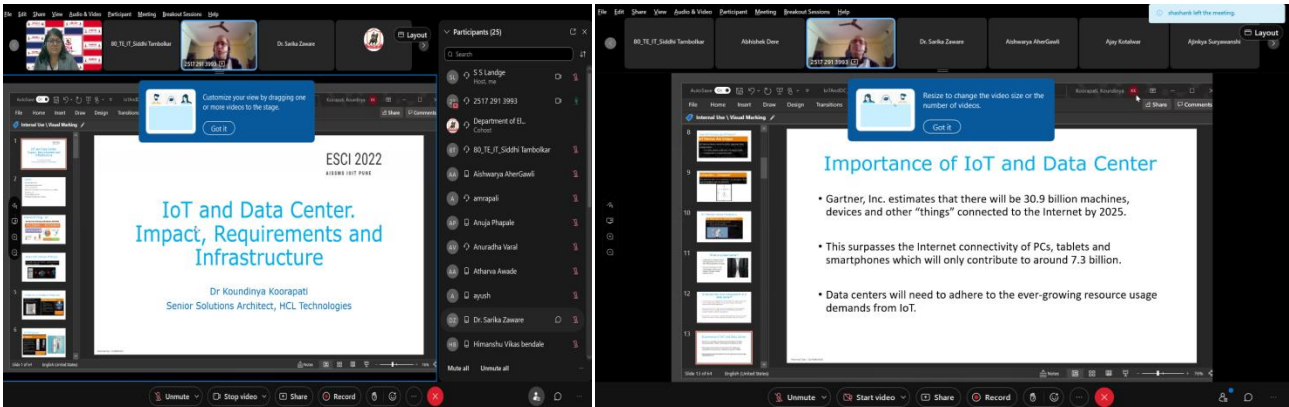
Session speaker delivering the lecture

Pre Conference Tutorial-4		
Topic- IoT and Data Centre. Impact, Requirements and Infrastructure		Speaker- Dr. Koudinya Koorapati Senior Solutions Architect, HCL Technology, Bengluru.
Day- Tuesday	Date-08/07/2022	Time- 11.00 am – 1.00 pm
Coordinators-Ms. Landge.S.S	Link- https://tinyurl.com/2p8ru9mn	

Abstract of Tutorial–

IoT has enhanced functionality of equipment and systems. IoT needs data centre to store, process and analyze data required. Data center storage is the collective term used to define the tools, technologies and processes to design, implement, manage and monitor storage infrastructure and resources within a data centre. It is part of the data canter infrastructure and includes all IT/data canter assets that directly or indirectly play a part in storage within a data canter. Data center storage primarily refers to the devices, equipment and software technologies that enable data and application storage within a data center facility. The Internet of Things (IoT) has a potential transformational effect on the data center market, its customers, technology providers, technologies, and sales and marketing models.

Total No of attendees
61



Session speaker delivering the lecture

Keynote Sessions





Invites you for
THE 4th IEEE INTERNATIONAL CONFERENCE
 on
EMERGING SMART COMPUTING & INFORMATICS
 9th, 10th, 11th March 2022



Address By Honorary Chair
Dr. Seyedali Mirjalili
Data Scientist,
 Professor, Torrens University Australia
 09th March 2022 | 11:30 am



Address By Chief Guest
Dr. Vasudev K. Aatre
Padma Vibhushan & Padma Bhushan Awardee
 Lifetime Achievement Award (By KSTA)
 09th March 2022 | 10:30 am



Honorary Guest
Mr. Tomio Isogai
Freelance Advisor in Indo-Japanese Relations
 Director, Kansai Japan India Cultural Society,
 Kobe, Japan.

Keynote Speakers



Prof. K. V. S. HARI
Professor, Dept. of ECE,
 Indian Institute of Science, Bangalore, India.
 Topic:
 Machine Learning With Applications To Healthcare
 09th March 2022 | 12:30 noon to 01:30 pm



Mr. San Murugesan
Director, BRITe Professional Services
 Adjunct Professor, Western Sydney University
 Topic:
 Quantum computing: a revolution in the making
 09th March 2022 | 02:00 pm to 03:00 pm



Dr. Mohamed Elhoseny
College of Computer Information Technology
 Dubai UAE
 Topic:
 Urban Intelligence And Secure Data Sensing:
 A New Research Direction
 10th March 2022 | 12:00 noon to 01:00 pm



Mr. Chyi-Yeu Lin
Distinguished Professor
 (Director of Center for Intelligent Robotics), U.S.A.
 10th March 2022 | 02:00 pm to 03:00 pm



Prof. Mihaela Albu
Politehnica University of Bucharest, Romania
 Topic:
 High Reporting Rate Measurements For Smarter Grids
 11th March 2022 | 02:00 pm to 03:00 pm

Regards
Dr. P. B. Mane
General Chair-ESCI2022
 Principal, AISSMS's Institute of Information Technology, Pune.





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Honorary Guest Session 1**Topic-** “Look East, Act Global --- Critical Importance of Indo-Japanese Bond”**Speaker-** Mr. Tomio Isogai
(Freelance Advisor in Indo-Japanese Relations,
Director, Kansai Japan India Cultural Society, Kobe,
Japan)**Day-** Wednesday**Date-**09/03/2022**Day-** Wednesday**Coordinators-**Mr. S. S. Shingare, Mr. S. D. Raste**Offline** (Venue : Multipurpose Hall)**Abstract of keynote -**

“Industry 4.0” refers to the combination of several major technology innovations, all maturing at the same time that is expected to significantly shift the landscape of the manufacturing industry.

These technologies – advanced robotics, artificial intelligence, sophisticated sensors, cloud computing and big data analytics – all exist in manufacturing today in some form, but as they integrate with one another, the physical and virtual worlds will interlink and transform the industry.” It places the well-being of the worker at the centre of the production process and uses new technologies to provide prosperity beyond jobs and growth while respecting the production limits of the planet.

Total No of Participants**113**

Keynote speaker Mr. Tomio Isogai presenting the session

Keynote Session -1

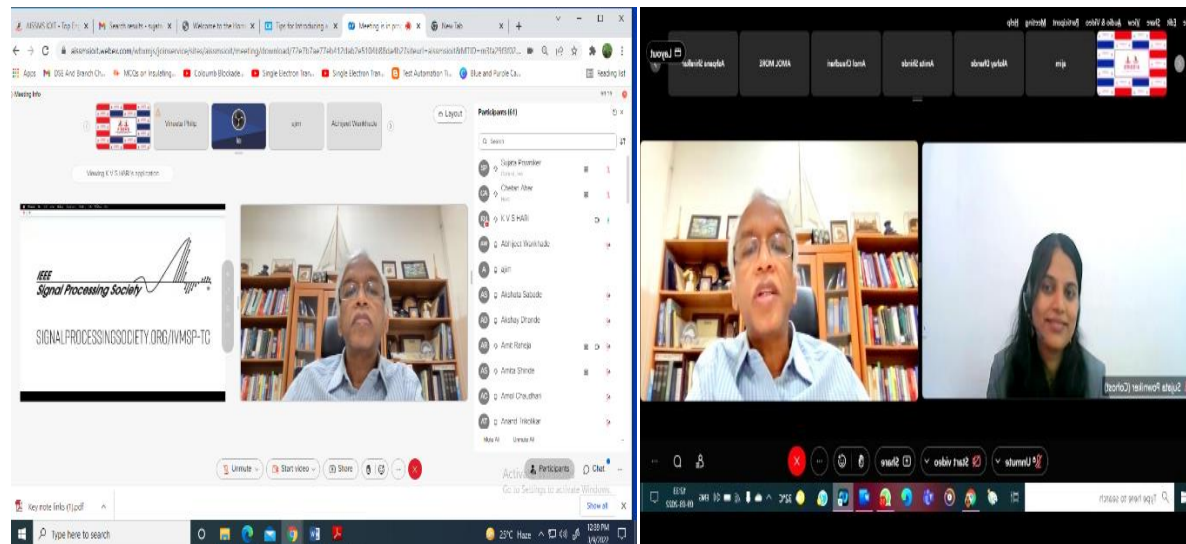
Topic-Machine learning with applications to Healthcare	Prof K.V.S. HARI, Professor Department of ECE, Indian Institute of Science ,Bangalore, India	
Day-Wednesday	Day-Wednesday	Day-Wednesday
Coordinators-Mrs. Sujata Powniker	Cisco WebEx session Link: https://tinyurl.com/2p9fw	

Abstract of Keynote Session:

Prof K.V.S. HARI explained the working of Compressed sensing MRI; He also highlighted the Design & optimization of non-Cartesian trajectory. During his session he focused on Quality improvement -time reduction and cost reduction techniques. He mentioned Various algorithms, selection of point and pattern to improve performance. The session was informative, In question answer session doubts and questions of attendees were addressed by speaker.

Total No of Participants

431



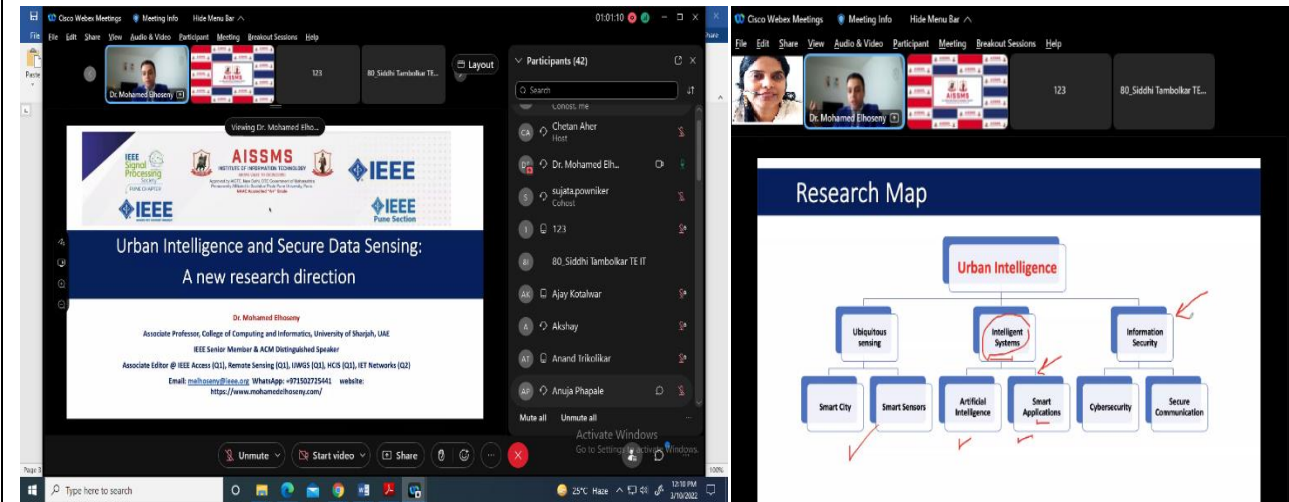
Keynote speaker Prof K.V. S. HARI addressing the session

Keynote session 2		
Topic- Urban Intelligence & Secure Data Sensing :A new research direction	Speaker (With designation): Dr. Mohamed Elhoseny College of Computer Information Technology, Dubai UAE	
Day- Thursday	Date: 10 /03/2022	Time: 12.00 NOON – 1.00 PM
Coordinators- Mrs. Sujata Powniker	Cisco WebEx session Link: https://tinyurl.com/2p8w5rc	

Abstract of the keynote Session–

Dr. Mohamed Elhoseny explained in brief about architecture and model of information security, Data security and aggregation in urban intelligence. He stated the need of IIOT Industry 5.0, smart sensors, AI, Smart applications, cyber security and big data analysis. He highlighted the Importance of cyber security and reliability. Attendees got clear idea about the information security, SCADA and intelligent control algorithm, scalability, cost and agile work.

Total No of Participants
98



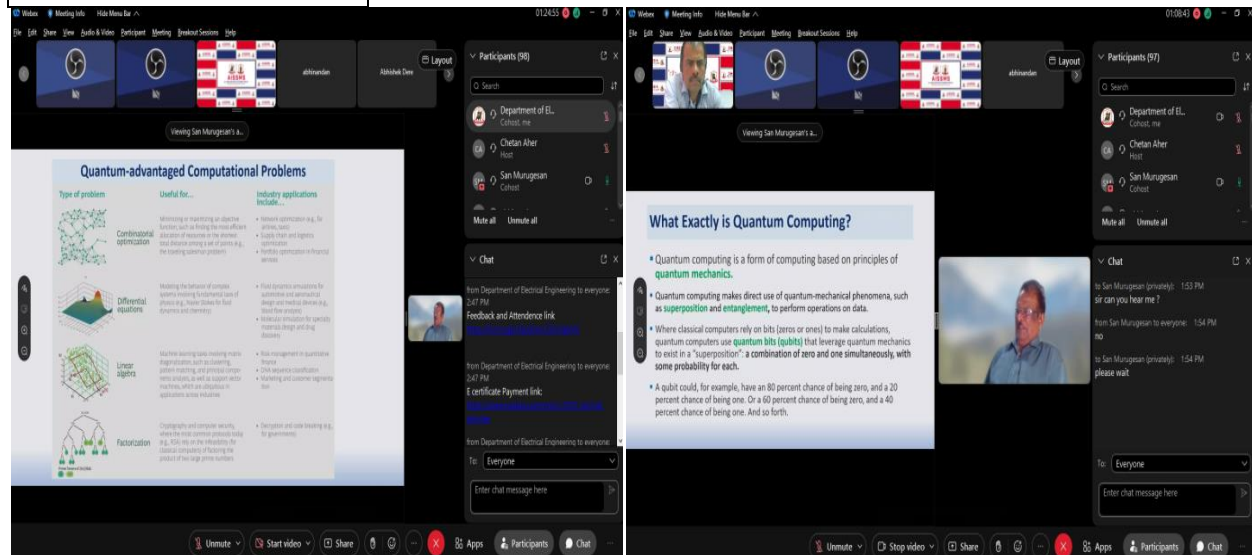
Keynote speaker Dr. Mohamed Elhoseny addressing the session

Keynote Session 3

Topic- Quantum Computing: A Revolution in The Making	Speaker- Dr. San Murugesan Professor , Sydney NSW Australia	
Day- Tuesday	Date- 09/03/2022	Time- 2.00pm – 3.00 pm
Coordinators- P.P.Mahajan	Link- https://tinyurl.com/2p9fjhw3	

Abstract of keynote session –

Dr. San Murugesan started the session with historical overview on electronic industry. The session provided a bird's eye on historical review of electronics industry and latest development in quantum computing. The session also highlighted the comparison in traditional computer and quantum computer. The critical properties of quantum computer were discussed. The speaker also discussed the types of quantum computing ,Quantum Annealing ,Quantum simulations and Universal quantum computing .The session ended with the quantum computing applications

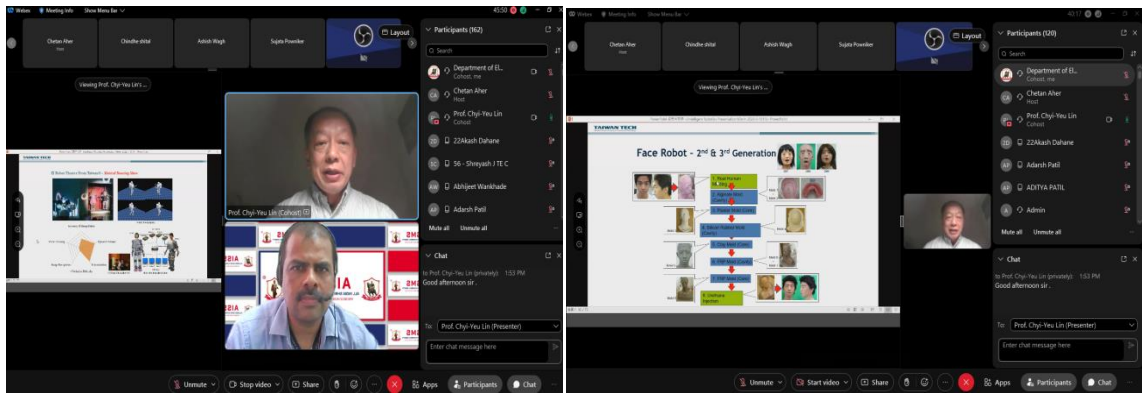
Total No of Participants**198***Keynote speaker Dr. San Murugesan presenting the session*

Keynote Session 4		
Topic: Design Mechanics & AI & Robots (Advances on Intelligent Robotics and Applications in Intelligent Manufacturing)	Speaker- Chyi-Yeu Lin Director of Centre for Intelligent Robots National Taiwan University	
	Date-10/03/2022	Day- Tuesday
Coordinators-P.P.Mahajan	Link- https://tinyurl.com/2p8w57rc	

Abstract of keynote –

Prof Lin gave a introduction to the field of robotics explained various generations of robots which are used With video of robots which were designed Dr Lin explained various aspects involved in designing of a Robot Some of the robots which were discussed were- Robot catcher, Balloon Shooting System (visual tracking systems), Two Armed Service robot, Dish delivery robot used in a restaurant. (line follower robot),Autonomous system for bicycle spray painter by manipulator Robots used in Foxconn industry, Random bin picking, Dr Martens Boots Sole edge grooving robot.

Total No of Participants
218



Keynote speaker Chyi-Yeu Lin presenting the session

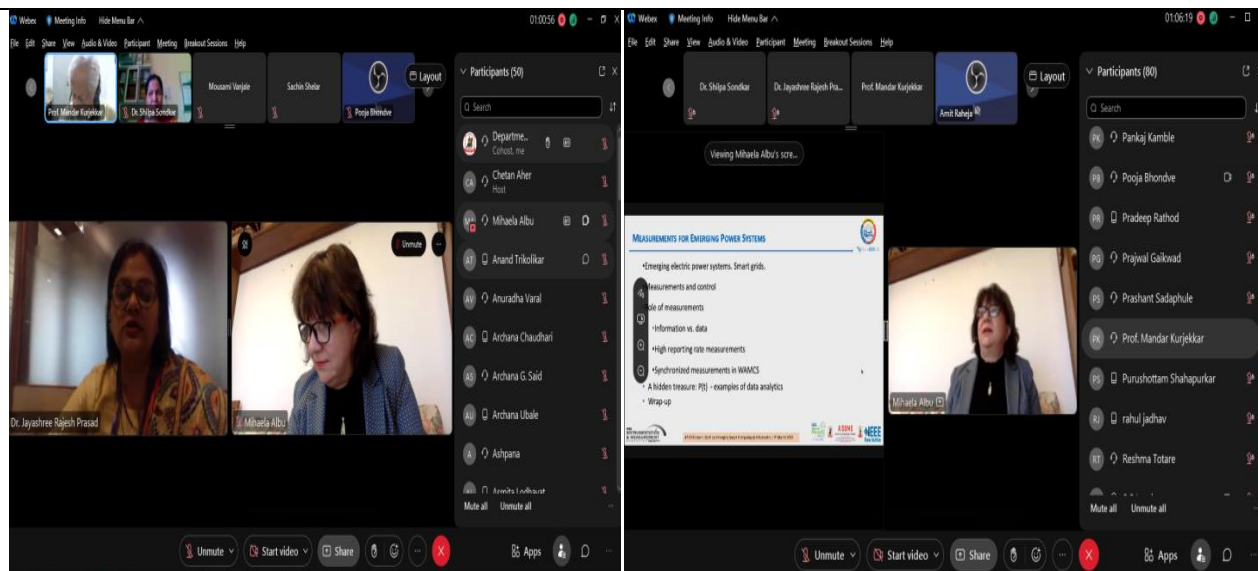
Keynote Session 5**Topic:** High Reporting Rate Measurements for Smart[er] Grids**Speaker-** Prof. Mihaela Albu
Politehnica University of Bucharest, Romania**Day-**Friday**Date-**11/03/2022**Time-** 2.00pm – 3.00 pm**Coordinators-**Mr.P.P.Mahajan**Link-**<https://tinyurl.com/yek7rbmr>**Abstract of Keynote–**

Prof.Mihaela Albu in this session discussed the emerging power system scenario; He discussed about inertia issue in electric power system, Measurements and information and need of high reporting rates.

He focused on the need of Intelligent Energy devices with high reporting rates and Phasor Measurement units. He explored Wide area measurement and control system. Attendees got clear idea about the smart grids

Total No of Participants

124



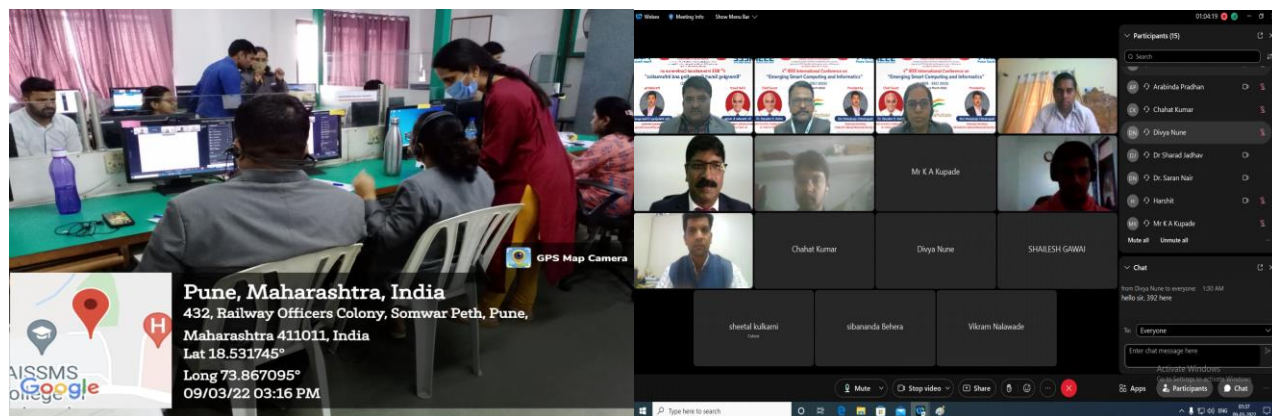
Keynote speaker Prof. Mihaela Albu presenting the session

Technical Oral Presentation Session -1

Track – Smart Computing	Session Chair 1: Dr. S.T. Jadhav (EnTC, Department, SITCOE, Ichalkaranji) Session Chair 2: Dr. Sarachandran Nair (HOD, Computer Department, Muscat College Oman)	
Day-01	Date: 09/03/2022	Time: 3:00 to 5:00 pm
Session Coordinators- 1. Mr. Shashikant Kale 2. Mrs. MinalZope	Link- https://tinyurl.com/2p8f3dxw Event number: 2516 906 2763 Event password: esci2022	

Total No. of Participants- 30

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
1	Smart Computing	392	Design of Rubber Substrate based Flexible Antenna with DGS for WBAN Applications	SATYAM



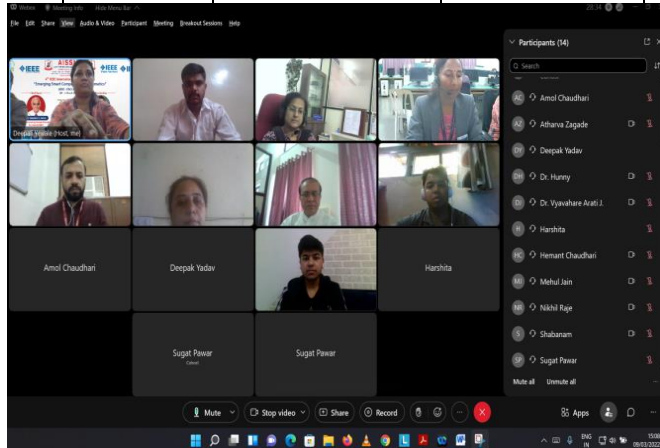
Participants at Technical Oral Presentation Session -1 presenting the paper

Technical Oral Presentation Session-2

Track -Image & Signal Processing	Session Chair 1: Dr. Arati Vyavahare PES's Modern COE Pune Session Chair 2: Dr. Shabnam Tamboli SITCOE, Ichalkaranji	
Day-Wednesday	Date-9/03/2022	Time: 3:00 PM to 5:00 PM
Session Coordinator1: Mrs. Minal Nerkar Session Coordinator2: Mrs. Deepali Yewale	Link-https://tinyurl.com/bdeaw4f7 Event number: 2512 908 0725 Event password: esci2022	

Total No. of Participants-18

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
1	Image & Signal Processing	34	Optimization in Object Detection Model using YOLO.v3 Braille characters to English	Presenter: Mr. Atharva Zagade 2. Pallavi K N)

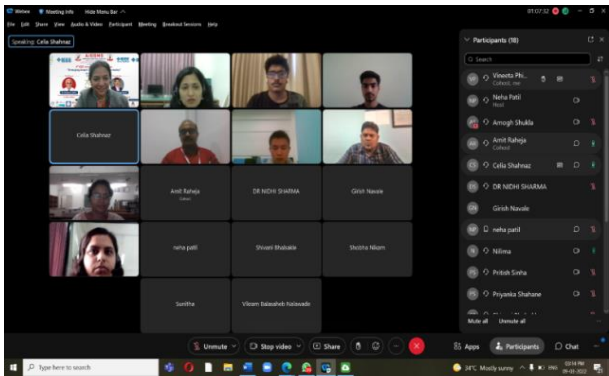
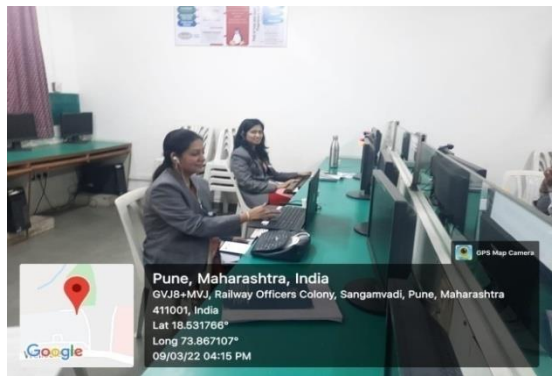


Participants at Technical Oral Presentation Session -2 presenting the paper

Technical Oral Presentation Session – 3		
Track - Smart Computing	Session Chair 1: Dr. <u>Nilima Dhumale</u> , Assistant Professor, Sinhgad College of Engineering, Pune Session Chair 2: Dr. Celia Shahnaz, Department of EEE, BUET 2022 IEEE WIE Committee Chair-Elect	
Day- Wednesday	Date: 09.03.2022	Time: 3 p.m. to 5 p.m.
Session Coordinators- Mrs. Neha Patil Mrs. Vineeta Philip	Link- https://tinyurl.com/4p3fbrdp Event number:511 905 7482 Event password:esci2022	

Total No. of Participants- 25

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
01	Smart computing	397	Maximum Response Mechanism in Vehicular Cooperative Caching for C-V2X Networks (China)	Zhiwei Qiu



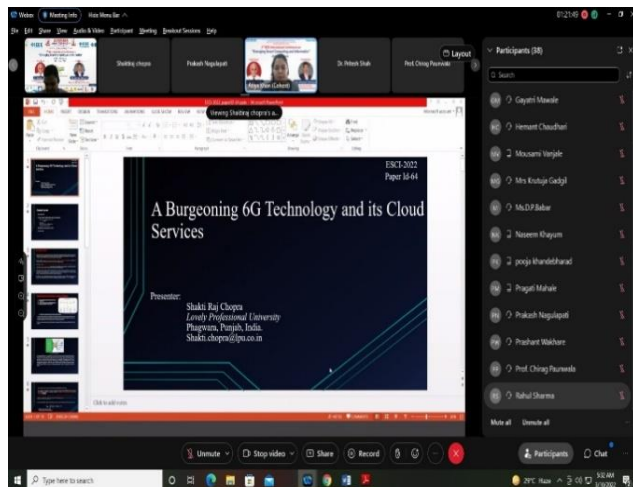
Participants at Technical Oral Presentation Session -3 presenting the paper

Technical Oral Presentation Session - 4

Track -Internet of Things	Session Chair 1: Dr.Shaha Pritesh (Asso. Prof. Symbiosis Inst of Tech, pune) Session Chair 2: Dr.Chirag N Paunwala (Prof Dean R&D at SCET, Surat)	
Day -Thursday	Date: 10/03/22	Time: 10.00 am to 12.00 pm
Coordinator1: Ms. Atiya Khan Pathan Coordinator 2: Mr. Sagar Pokharkar	Link- Link: https://tinyurl.com/56zknh Event number:2518 580240 Event password:esci2022	

Total No.of Participants-38

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
4	Internet of Things	389	Pedestrian Detection and Tracking Through Kalman Filtering	Naga Venkata Sai Prakash Nagulapati



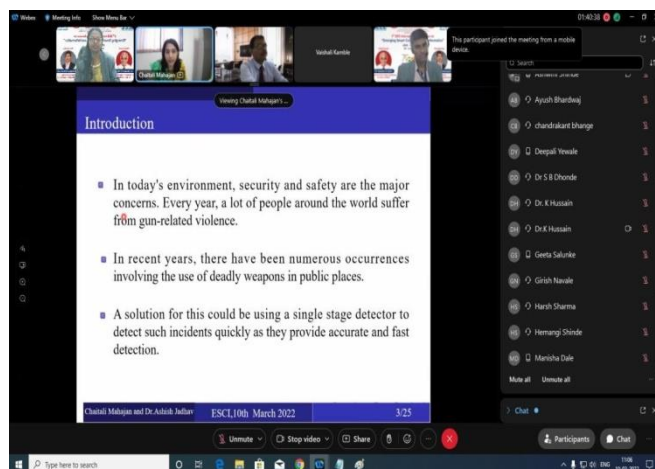
Participants at Technical Oral Presentation Session -4 presenting the paper

Technical Oral Presentation Session-5

Track-Image and Signal Processing	SessionChair1- Dr.M.A.Hossain,SeniorLecturer, Department of Computer Science, JAZAN UNIVERSITY, Kingdom of Saudi SessionChair2: Dr.K.Hussain, SITCOE, Ichalkaranji	
Day- 2	Date- 10/3/2022	Time- 10am to 12pm
Session Coordinators- Mrs. Shobhika P. Gopnarayan, Mr.Nitin Bhone	Link- https://tinyurl.com/326zv2eh/ Event number: 2512 465 2166 Event password: esci2022	

Total No.of Participants-25

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
5	Image and Signal Processing	198	Gun Detection:" Comparative Analysis Using Transfer Learning in Single Stage Detectors"	Ms. Chaitali Mahajan



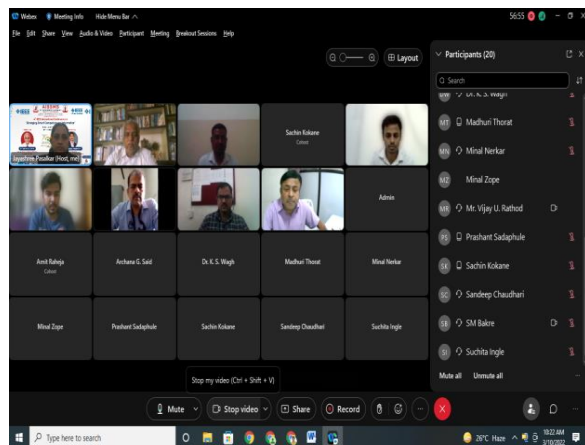
Participants at Technical Oral Presentation Session -5 presenting the paper

Technical Oral Presentation Session – 6

Track: Smart Computing		Name of Session Chair: Dr. Shashank Joshi Professor, Dept. Computer Engineering, Dean Faculty of Engineering and Technology, BVCOE, Pune Session Chair 2: Dr. Suhas Patil Professor and HoD, Computer Engineering BVCOE, Pune	
Day: Thursday		Date: 10/03/2022	Time: 10 -12pm
Coordinator1: Ms. Jayashree C. Pasalkar Coordinator 2: Mr. Sachin Kokane		Link- https://tinyurl.com/nhf97xfx Event number: 2518 093 9954 Event password: esci2022	

Total No. of Participants-25

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
6	Smart Computing	344	Artificial Neural Network Based Electricity Theft Detection	Mr. Shashikant Bakre



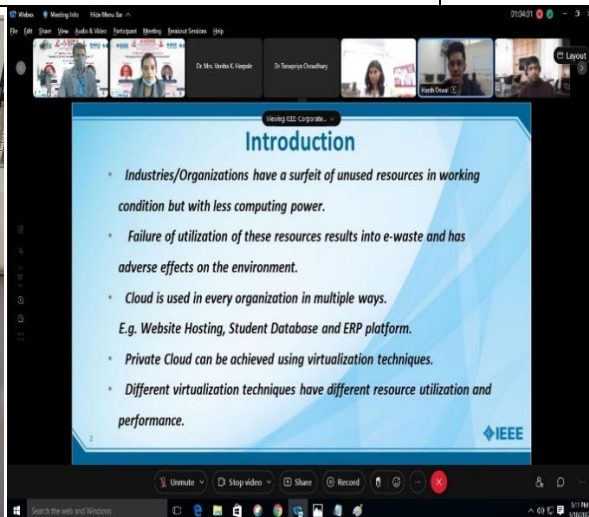
Participants at Technical Oral Presentation Session -6 presenting the paper

Technical Oral Presentation Session-7

Track: Smart Computing	Session Chair 1: Dr. Tanupriya Choudhury (Senior Associate Professor in Cluster of Informatics in School of CS at UPES Dehradun) Session Chair 2: Dr. Varsha Harpale (Associate Dean Quality Assurance, Associate Professor at Pimpri Chinchwad College of Engineering, Pune)	
Day- Thursday	Date: 10/03/2022	Time: 3 to 5pm
Session Coordinators- Mrs. Chitralekha Ranaware Mr. Sugat Pawar	Link- https://tinyurl.com/2p89wh95 Event number: 2511 177 1093 Event password: esci 2022	

Total No. of Participants-17

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
6	Smart Computing		IMPLEMENTATION - Surplus resources to Private Cloud	Harsh Oswal



Participants at Technical Oral Presentation Session -7 presenting the paper

Technical Oral Presentation Session-8

Track - Internet of Things

Session Chair 1: Dr. Amar Buchade, Asst. Prof –PICT , PUNE

Session Chair 2: Dr. Monali Chaudhari - Asst. Prof – VESIT, Mumbai

Day- Thursday

Date-10/03/2022

Time- 3-5.00pm

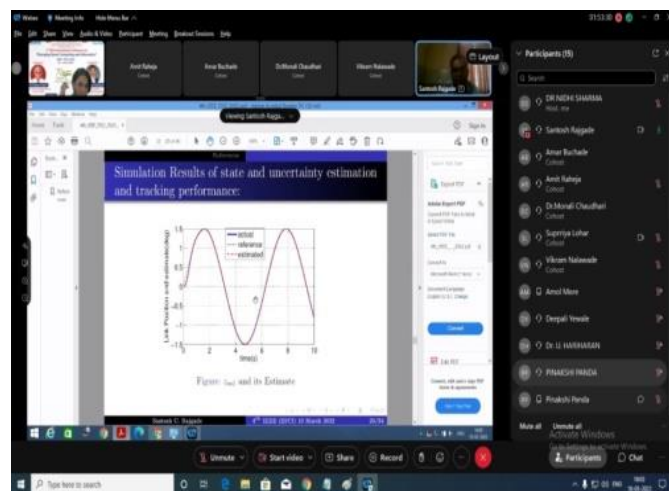
Session Coordinator:

Dr. Nidhi Sharma, Ms. Supriya Lohar
Mr. Vikram B NalawadeLink-<https://tinyurl.com/2p9bh7x7>

Event number: 2518 452 671 Event password: esci 2022

Total No. of Participants-21

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
08	Internet of Things	293	Equivalent Input Disturbance Based Robust Control For Robot Manipulator Using Generalised Extended State Observer	Santosh C. Rajgade



Participants at Technical Oral Presentation Session -8 presenting the paper

Special session 1		
Track -Special Session 1		Session Chair 1: Dr. Vinit Khetani (DirectorCybrix Technology) Session Chair 2: Dr. D. K.Kamat(Asst.Professor E&Tc, SAE Pune)
Day : Thursday	Date 10/3/2022	Time:3.00 PM -5.00 PM
Session Coordinators- Mr. Shailesh Gawai Ms. Sandhya Ahire		Link- https://tinyurl.com/2s38abts Event number: 2515 815 8703 Event password: esci2022

Total No.of Participants-27

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
Special Session 1	Special Session 1	VK1	A Fuzzy Statistical Perspective for Empirical Evaluation of EEG Classification Models for Epileptic seizures	Renuka suryawanshi



Participants at Special Session -1 presenting the paper

Special session 2

Track –Special Session 2

Session Chair 1. Dr.Rajat Bhardwaj

Assistant Professor,
Chitkara University Institute of Engineering and
Technology, Chitkara University, Punjab, India

Day-Thursday

Date-10/03/2022

Time- 3.00 to 5.00 P. M.

Session Coordinators-

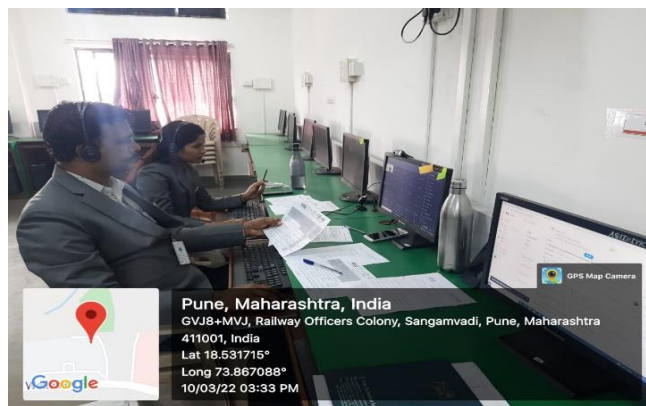
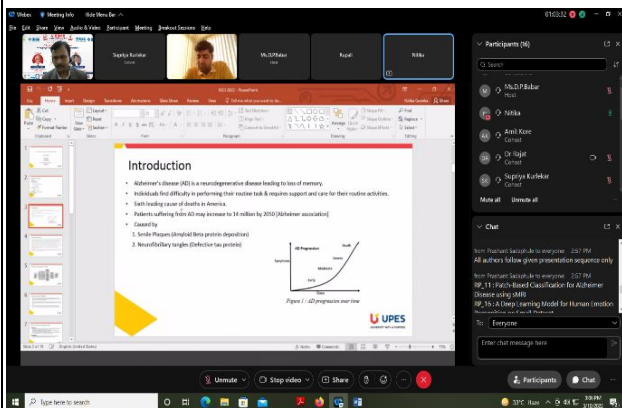
1. Ms. Divyarani Babar 2. Mr. Prashant Sadaphule
3. Mrs. Supriya Kurlekar

Link-Link: <https://tinyurl.com/2p8ust3v>

Event number: 2511 469 6310 Event password:
esci2022

Total No.of Participants- 29

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
2	special session2	RP_16	A Deep Learning Model for Human Emotion Recognition on Small Dataset	Rupali Gill



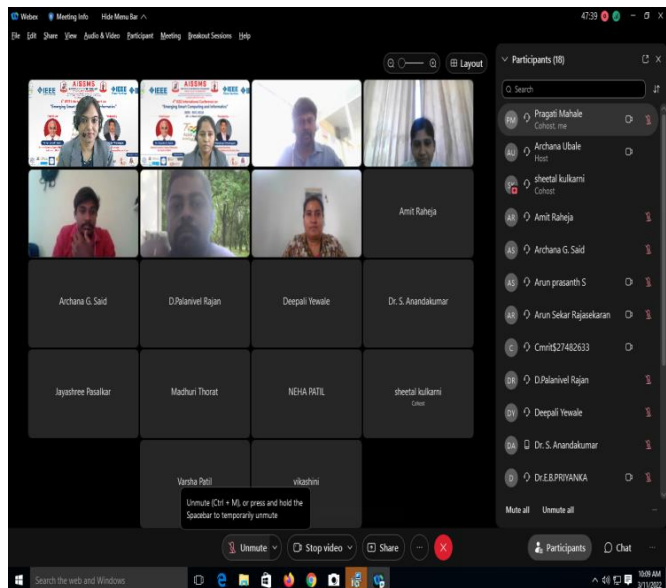
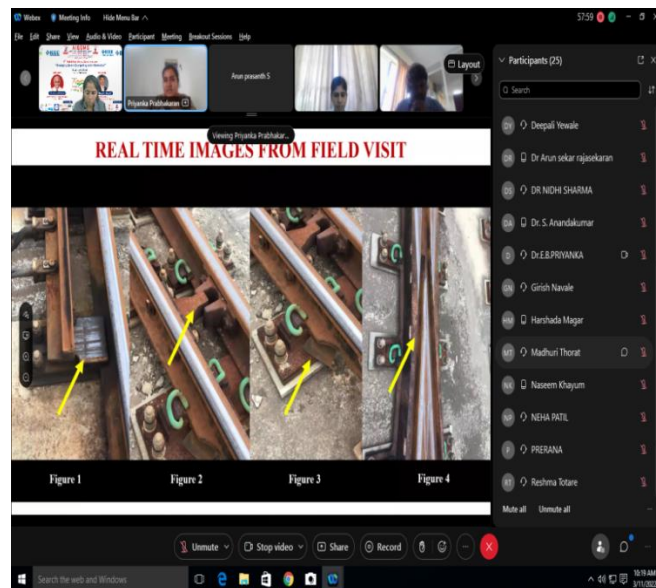
Participants at Special Session -2 presenting the paper

Special Session -3

Track -Special Session 3	Session Chair : 1. Dr. S. Velliangiri, Department of Computer Science and Engineering, B.V.Raju Institute of Technology, Telangana India Session Chair 2: Dr. E. B Priyanka, Department of Mechatronics Engineering, Kongu Engineering College, Erode, India	
Day-3 : Friday	Date 11/03/2022	Time:10.00 AM -12.00 PM
Session Coordinators- 1. Mrs. Pragati Mahale 2. Mrs. Archana Ubale	Link-https://tinyurl.com/2k3bmktc Event number: 2518399 9484 Event password: esci 2022	

Total No. of Participants-25

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
Special Session 3	Smart Computing	ST05	Railroad maintenance predictor system for metro railroad systems	Priyanka Prabhakaran



Participants at Special Session -3 presenting the paper

Special session-4

Track: Special session 4

Session Chair 1: Dr. Rajesh Kausal

Session Chair 2: Dr. Shrikanta Mohapatra,

Session Chair 3: Dr. Naveen Kumar,

Computer Science Chitkara University, Punjab, India

Day: Friday

Date: 11/03/2022

Time: 10:00-12:00

Session Coordinators-

1 : Mrs. Geeta Salunke

2: Mr. Sagar Bhopale

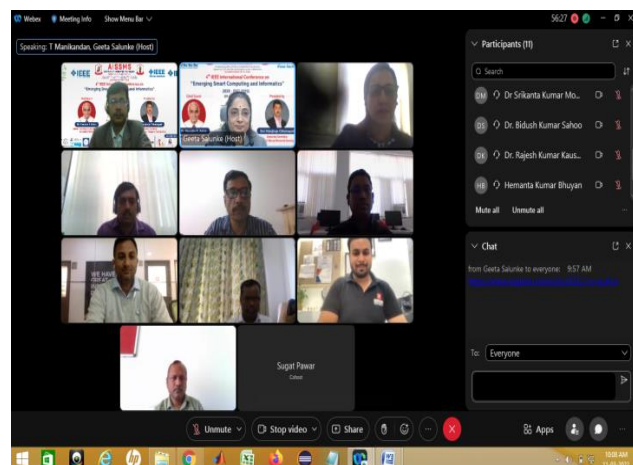
Link-<https://tinyurl.com/2p8js88u>

Event number: 2515152 4165

Event password: esci2022

Total No. of Participants- 17

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
4	Special session 4	SM-09	Structured Ranking method-based feature selection in data mining	Dr. Hemanta Kumar Bhuyam



Participants at Special Session -4 presenting the paper

Special Session 05

Track-Special Session 05

Session Chair 1:

Dr. P A Harshavardhini (Professor- VITS, Telangana)

Session Chair 2:

Dr. Rohit Anand (Assistant Professor, DSEU, G B Pant Okhla)

Day- Friday

Date-11/3/2022

Time: 10.00 am To 12.00 pm

Session Coordinators-

Mr. Shiavji Gadadhe

Mr. Milind Gajare

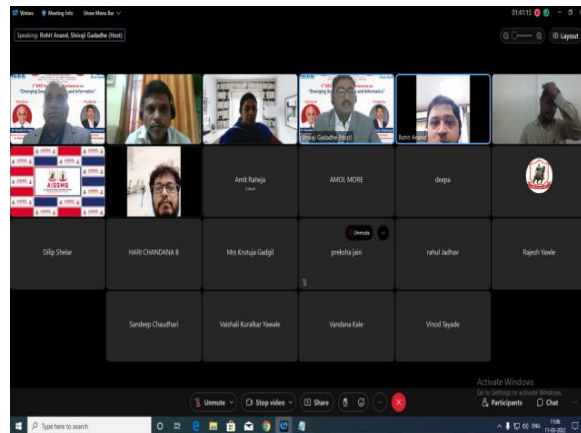
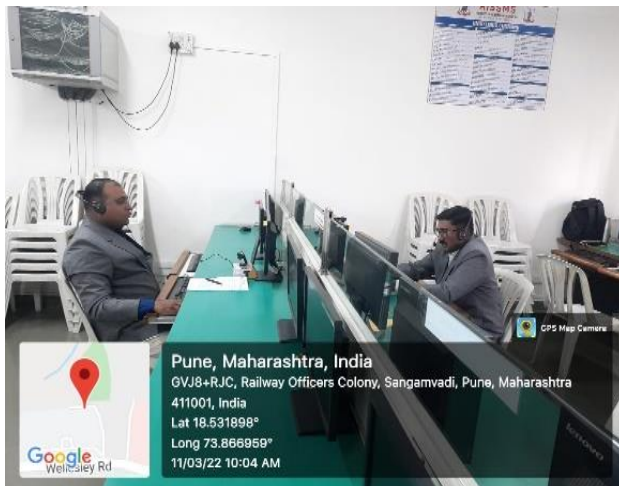
Link-<https://tinyurl.com/3b8u85kk>

Event number:2516 4581709

Event password:esci2022

Total No. of Participants-18

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
05	Special Session 05	HV-23	Artificial intelligence-based cervical cancer risk prediction using ml algorithms	Ms. Madhuri Ms. Sai Pallavi



Participants at Special Session -5 presenting the paper

Special Session06

Track -Special Session 6

Session Chair :Dr. Vikas Solanki, Professor, Chitkara University

Day- Friday

Date: 11/03/2022

Time: 10 am to 12 pm

Session Coordinators-

Mrs. AnujaPhapale

Mr. Amol Chaudhari

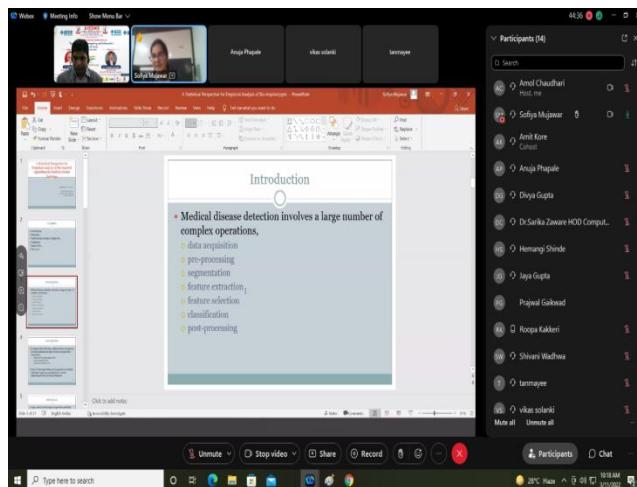
Link-<https://tinyurl.com/3ubyv734>

Event number: 25178041357

Event password:esci2022

Total No. of Participants- 15

Session number	Track	Paper ID	Best Paper Title	Name of Presenter
6	SpecialSession6	VS14	Efficient Data caching and computation Efficient Data caching and computation offloading strategy for edge network	Divya Gupta



Participants at Special Session -6 presenting the paper

Valedictory Function



Felicitation of guest at valedictory function of ESCI-22

L to R:- Dr.V.K.Bairagi, Dr.P.B. Mane, Dr.S. S. Inamdar, Mr. Girish Khilari ,

Valedictory Program of 4th IEEE International Conference ESCI-2022 at AISSMS Institute of Information Technology Pune held on 9th March 2022 in the presence of Dr.S.S.Inamdar Managing, Trustee / Vice President, of Vishwaniketan, 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-22.



Team of 4th IEEE International Conference on Emerging Smart Computing and Informatics 2022 (ESCI)

Takeaways from the ESCI-22

The 4th IEEE International Conference on Emerging Smart Computing and Informatics (ESCI-2022) is the platform where academics and industry researchers present their latest algorithms, models and technologies and explore new trends and ideas on smart computing and informatics. The aim of this conference is to provide an allied platform for emerging trends in smart computing, networking, communication, signal and image processing, cyber security and IOT. The key intention is to provide 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-22



पुढारी

‘विद्यार्थ्यांनी प्रकल्प उभारायला मदत करावी’

पुणे : पुढारी वृत्तसेवा

विद्यार्थ्यांनी आंतरराष्ट्रीय अभ्यासक्रम, कृत्रिम बुद्धिमत्ता आणि डाटा विज्ञान अशा बहुआयामी तंत्रज्ञानाचा वापर करून समाजोपयोगी प्रकल्प उभारायला मदत करायला हवी, असे मत माजी डीआरडीओ प्रमुख डॉ. वासुदेव अत्रे यांनी व्यक्त केले.

एआयएसएमएसएस आयओ आयटी महाविद्यालयात इमर्जिंग स्मार्ट कंप्युटिंग अँड इन्फॉर्मेटिक्स-ईएससीआय - २०२२ विषयावरील चौथी आंतरराष्ट्रीय परिषद ९ ते ११ मार्च दरम्यान आयोजित करण्यात आली होती. परिषदेचे उद्घाटन कार्यक्रमाचे अध्यक्ष डॉ. अत्रे यांच्या हस्ते झाले. त्यावेळी ते बोलत होते. त्यांनी आजच्या स्मार्ट कंप्युटिंग अँड इन्फॉर्मेटिक्सपर्यंतचा तंत्रज्ञानाचा प्रवास उलगडून सांगितला. नावीन्यपूर्ण विषयांवर आंतरराष्ट्रीय परिषद आयोजित केल्याबद्दल त्यांनी एआयएसएमएसएसचे अभिनंदन केले. एआयएसएमएस आयओआयटीचे प्राचार्य डॉ. पी. बी. माने म्हणाले, अभियांत्रिकी विद्यार्थ्यांनी अशा परिषदेचा लाभ घेऊन नावीन्यपूर्ण कल्पनांविषयी ज्ञानाची देवाणघेवाण केली पाहिजे. संस्थेचे सचिव मालोजीराजे छत्रपती यांच्या मार्गदर्शनाखाली ही परिषद आयोजित केली होती. परिषदेसाठी ६६५ शोधनिबंध प्राप्त झाले. त्यापैकी ७८ शोधनिबंध सादर करण्यात आले.

My Pune Edition
Mar 14, 2022 Page No. 3
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शिक्षणक्षेत्र व्हावे स्मार्ट : डॉ. अत्रे

पुणे : एआयएसएमएसएस आयओआयटी महाविद्यालयात ‘इमर्जिंग स्मार्ट कॉम्प्युटिंग अँड इन्फॉर्मेटिक्स-ईएससीआय’ विषयावरील चौथी आंतरराष्ट्रीय परिषद संपन्न झाली. ९ ते ११ मार्च अशा तीन दिवस असणाऱ्या परिषदेचे उद्घाटन, कार्यक्रमाचे अध्यक्ष डॉ. वासुदेव अत्रे यांच्या हस्ते झाले.

प्राचार्य डॉ. पी.बी. माने यांनी परिषदेच्या आयोजन प्रेरणेवर प्रकाश टाकला. आयईईईचे पुणे विभागाचे अध्यक्ष गिरीश खिलारी यांनी विविध उपक्रमांमधील कामगिरीवर प्रकाश टाकला. यावेळी टोमीओ इशोगाई, मानद सहसचिव सुरेश शिंदे, पुणे विभागाचे अध्यक्ष गिरीश खिलारी, परिषद अध्यक्ष विवेक देशपांडे, जगदीश चौधरी व प्रायोजक डॉ. एस. टी. जाधव, गणेश चौधरी व भूषण मुथिया उपस्थित होते. समारोप कार्यक्रमाचे प्रमुख म्हणून विश्वनिकेतनचे व्यवस्थापकीय, विश्वस्त/उपाध्यक्ष, डॉ. एस. एस. इनामदार उपस्थित होते. मालोजीराजे छत्रपती यांच्या मार्गदर्शनाखाली ही परिषद आयोजित करण्यात आली होती. परिषदेसाठी ६६५ शोधनिबंध आले. त्यापैकी ७८ शोधनिबंध सादर झाले. डॉ. पी. बी. माने यांच्या अध्यक्षतेखाली परिषदेचे यशस्वी आयोजन केले, तर डॉ. सुरेश लिमकर, डॉ. विनायक बैरागी व परिषदेच्या समिती सदस्यांनी परिषदेसाठी परिश्रम घेतले. (वा.प्र.)

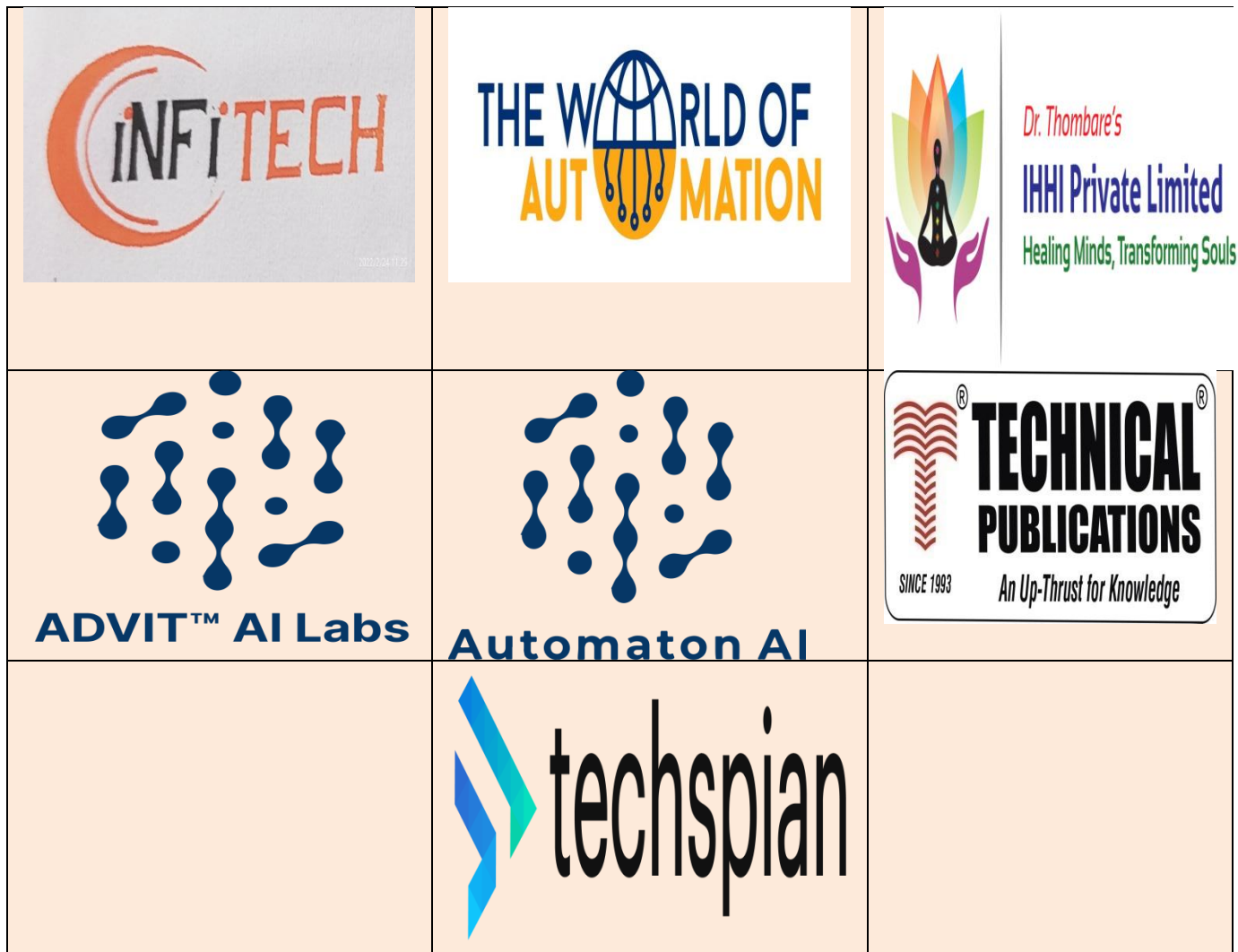
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Annexure-I

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Annexure-II

ESCI 2022 PLAGARISM SUMMERY REPORT					
Sr. No.	Paper ID	Paper Title	1st Plag.	2nd Plag.	Plag. Status
1	2	Traffic Sign Recognition System	82		
2	3	Role Of Information Technology In Plant Diseases Detection And Management	17		Ok
3	4	Comparative Analysis Of Speech Enhancement Techniques In Perceptive Of Hearing Aid Design	38		
4	5	DESIGN OF MULTIPLIERS USING REVERSIBLE LOGIC AND TOFFOLI GATES	34	27	OK
5	6	IOT BASE DAM AUTOMATION	17		Ok
6	7	Review: Congestion Management And Hosting Capacity Of Distribution Network	Rejected in first screening		
7	8	A MULTILAYER CLUTCH DESIGNING AND SELECTION OF MATERIAL USING SAMPLING METHOD.	79		
8	9	Binary And Multiclass Classifications Using A Deep Fusion Network	19		Ok
9	10	Automatic Text Summarization In Natural Language Processing	10		Ok
10	11	Real Time Remote Solar Monitoring System By Using IOT	41		
11	12	Psychological Distress Detection, Classification And Assistance Using AI	12		Ok
12	13	A Survey Of Customer Identification Techniques For Banking Application	70		
13	14	Round Robin Scheduling Scheme For Optimize Utilization Of Selected Samples In Virtual Data Hiding And Extraction	Rejected in first screening		
14	15	Automated Computer Aided Detection Of Diabetic Retinopathy Using Hybrid Model Of Machine Learning	87		
15	16	ENHANCEMENT OF IMAGE FORGY AND IMPROVEMENT OF IMAGE PARAMETERS USING DWT ALGORITHM	81		

16	17	Land Cover Classification Of High Resolution Aerial Images Using Convolution Neural Networks	33	27	OK
17	18	Sequential And Gpgpu Based Nsga-ii Approach To Solve Bi-Objective Vehicle Scheduling Problem	36		
18	19	A Systematic Survey On Music Composition Using Artificial Intelligence	20		Ok
19	20	Brain Tumor Detection And Optimization Using HybridClassification Algorithm	83	30_27	
20	21	Water Cleaning Bot With Waste Segregation Using ImageProcessing	31		
21	22	Blind Vision And Theft Protection System In Vehicle	17		Ok
22	23	Android Application For Locating Restrooms For Specially-Abled People	24		Ok
23	24	Higher Voltage Relay Based Protection And Power Stabilization	31		
24	25	Deploying Deep Transfer Learning Models To A Web-App For Sars-Cov-2 Detection Using Chest Radiography Images	34		
25	26	Human Facial Expression Recognition Using Artificial Intelligence K-Nearest Neighbor (Knn) Algorithm	26		Ok
26	27	Machine Learning Algorithms And Approaches Used In Cybersecurity	13		Ok
27	28	Control And Performance Analysis Of A Single Stage Utility Grid Connected Pv System	Rejected in first screening		
28	29	Economic Road Anomaly Detection	45		
29	30	Study Of Disease Identification In Pomegranate Using Leaf Detection Technique	19		Ok
30	32	Auto Baby Cry Detection Using Machine Learning With Self Learning Music Player System For Soothing	36	25_11	
31	33	Detecting Plant Diseases Using A Cnn-Based Model In An Android Application	18		Ok
32	34	Optimization In Object Detection Model Using Yolo.V3	18		Ok
33	35	Research On The Ecological Environment Evaluation Of Technological Talents In The Shuangcheng Economic Circle Of Chengyu	16		Ok

		Region			
34	36	Segmentation Of Images Using Automatic Fuzzy Clustering Framework	29_10		Ok
35	37	Smart Lock System Using Iot, Embedded & Machine Learning	19		Ok
36	38	Smart Agriculture System Towards Iot Based Wireless Sensor Network	92		
37	42	Challenges In Design Of Multitier Scalable Clustering Wireless Networks For Energy Efficiency	42		
38	43	E-Fresh : Computer Vision And Iot Based Framework For Fruit Freshness Detection	32		
39	44	A Study Of Various Word Embeddings In Deep Learning	19		Ok
40	45	Design Of Multipliers Using Reversible Logic And Toffoli Gates	26		Ok
41	46	Security Of Medical Images Using Hybrid Watermarking Technique	39		
42	47	Handwritten Character Recognition Using Cnn, Knn And Svm	37		
43	48	Banking The Unbanked — Cardano For Africa: Disrupting The Centralised World	29		Ok
44	49	A Review On The Special Skill Sets From Industry 4.0 Perspective	48		
45	50	Disease Diagnosis By Nadi Analysis Using Traditional Ayurvedic Methods With Portable Nadi Pariksha Device	19		Ok
46	51	An Anatomization For Classification Skin Lesion Using Custom CNN Framework	17		Ok
47	55	Contactless Temperature Sensing And Face Mask Detection For Covid 19 Monitoring Using Iot	Rejected in first screening		
48	56	INTRUSION DETECTION FROM CCTV IMAGES USING MACHINE LEARNING	Rejected in first screening		
49	57	Tri-Plant Leaf Disease For Bell Paper, Tomato And Potato Classification Using CNN	18		Ok
50	58	COVID-19 Detection Using Deep Learning Based Medical Image Segmentation	27		Ok
51	59	Education And Analysis Of Autistic Patients Using Machine Learning	30		Ok
52	60	Anomaly And Malicious Traffic Detection Of Iot Devices In Home Network Using MachineLearning Techniques	7		Ok

53	61	Power Scheduling And Utility Of Grid Demand Side Management Using Fact Power Controller	91		
54	62	Voice Based Answer Detection And Evaluation System Using NLP And ML	31		
55	63	COVID-19: Automatic Social Distancing Rule Violation Detection Using PP-Yolo & Tensorflow In Opencv	36		
56	64	A Burgeoning 6G Technology And Its Cloud Services	13		Ok
57	65	Virtual Self Care Companion	Rejected in first screening		
58	66	The WEKA Data Mining Software	Rejected in first screening		
59	67	Sha256 Blockchain Security Implementation Using Python With NB-Iot Deployment In Food Supply Chain	Rejected in first screening		
60	69	Exploratory Analysis Of Credit Card Fraud Detection Using Machine Learning Technique	28		Ok
61	70	Compilation Of Face, Expression, And Gesture Recognition Using Machine Learning: Literature Survey	Rejected in first screening		
62	71	Deep Learning-Based Techniques For The Automatic Classification Of OCT Images: A Comparative Study	Rejected in first screening		
63	72	Customer Face Recognition And Detection In Banking Application Using Deep Learning	Rejected in first screening		
64	73	Heuristic Approach In Game Development	Rejected in first screening		
65	74	A Comparative Study For Identification Of Potential Hazardous Asteroids Using Machine Learning Techniques	35	32	
66	75	Cab Fare Prediction Using Machine Learning Models	Rejected in first screening		
67	76	Apperception Of Plant Disease With Avail Of Algorithm	20		Ok
68	77	A Survey On Precision Agriculture: Crop Health Monitoring And Protection	Rejected in first screening		
69	78	Mars Rover Robot	Rejected in first screening		
70	79	Face Mask Detection Using Python	Rejected in first screening		
71	80	Wavelet And Fuzzy Based Open Switch Fault Diagnosis Of Three Phase Voltage Source Inverter	34	31	
72	81	A Survey On Chatbot For Banking	Rejected in first		

		Application	screening		
73	82	Machine Learning System For Malicious Website Detection Using Concept Drift Detection	79		
74	83	MEDCHAT: CONVERSATIONAL AI ENABLED CHATBOT FOR PERSONALIZED TELE-HEALTH	Rejected in first screening		
75	84	Predictive Model For Heart Disease Using Machine Learning	15		Ok
76	85	Predictive Analytics Of Lithium Ion Battery For Optimization And Battery Failure Using Machine Learning Algorithms	Rejected in first screening		
77	86	Effective Generation Of Visual Questions	33	27_15	
78	87	AI Based Workout Assistant And Fitness Guide	Rejected in first screening		
79	88	Designing The Control Systems For Boiler-Turbine Unit Of Sugar Factory	38		
80	89	Flower Image Classification Using Convolutional Neural Network	Rejected in first screening		
81	90	A Survey On Music Genre Classification Using Machine Learning	31		
82	91	Hand Gesture Controlled Drone Using Computer Vision	Rejected in first screening		
83	92	A Survey On Plant Leaf Disease Detection Using Deep Learning	Rejected in first screening		
84	93	A REVIEW PAPER ON SECURE ATM USING BIOMETRIC AND COLOUR CODE	Rejected in first screening		
85	94	An Interactive System Leveraging Automatic Speech Recognition And Machine Translation For Learning Hindi As A Second Language	Rejected in first screening		
86	95	Navigating Larger Spaces In 3D Virtual Environments	Rejected in first screening		
87	96	MULTISTAGE ALGORITHM REVIEW PAPER	16		Ok
88	97	Machine Learning Based Automatic Tag Generation Using CNN Algorithm	Rejected in first screening		
89	98	Chronic Kidney Disease Prediction Using Different Machine Learning Models	Rejected in first screening		
90	99	Hand Gesture Controlled Simulated Mouse Using Computer Vision	Rejected in first screening		
91	100	Mobile Application For Haircut Art	15		Ok

		Community			
92	101	LOCATION TRACKING USING VIRTUAL BEACONS	50		
93	102	An Entity Linking Method Based On Graph Feature And Electricity Domain Knowledge Base	14		Ok
94	103	Security Challenges And Countermeasures For The Internet Of Things (Iot)	52		
95	104	Optimizing The Product Lifecycle Management Support Process Using Queuing Theory	11		Ok
96	105	LIGHTWEIGHT ENCRYPTION ALGORITHM FOR INTERNET OF THINGS	34		
97	106	Classification Of Breast Cancer Tumor Using Ensemble Learning	43		
98	109	IOT BASED FIRE ALARM NOTIFICATION AND EXTINGUISHER SYSTEM	18_16		
99	111	RECOGNITION OF HANDWRITTEN DIGIT USING DEEP LEARNING AND CNN	42		
100	112	Self Recurrent Neural Network Based Event Triggered Moving Object Tracking Strategy For Sensor Network	89		
101	113	Electronic Shopping Website With Recommendation System	43		
102	114	Sentiment Analysis Using Naïve Bayes, CNN, SVM	56		
104	116	Predictive Model For Heart Disease Using Machine Learning	48		
105	117	Predictive Analytics Of Lithium Ion Battery For Optimization And Battery Failure Using Machine Learning Algorithms	Rejected in first screening		
106	118	Effective Generation Of Visual Questions	63		
107	119	Ai Based Workout Assistant And Fitness Guide	Rejected in first screening		
108	120	Designing The Control Systems For Boiler-Turbine Unit Of Sugar Factory	Rejected in first screening		
109	121	Flower Image Classification Using Convolution Neural Network	21		Ok
110	122	A Survey On Music Genre Classification Using Machine Learning	Rejected in first screening		
111	123	Hand Gesture Controlled Drone Using Computer Vision	Rejected in first screening		
112	124	A Survey On Plant Leaf Disease Detection	13		Ok

		Using Deep Learning			
113	125	A Review Paper On Secure Atm Using Biometric And Color Code	Rejected in first screening		
114	126	An Interactive System Leveraging Automatic Speech Recognition And Machine Translation For Learning Hindi As A Second Language	Rejected in first screening		
115	127	Navigating Larger Spaces In 3d Virtual Environments	19		Ok
116	131	Multistage Algorithm Review Paper	19		Ok
117	132	Machine Learning Based Automatic Tag Generation Using Cnn Algorithm	22		Ok
118	134	Chronic Kidney Disease Prediction Using Different Machine Learning Models	Rejected in first screening		
119	135	Hand Gesture Controlled Simulated Mouse Using Computer Vision	Rejected in first screening		
120	136	Mobile Application For Haircut Art Community	Rejected in first screening		
121	137	Location Tracking Using Virtual Beacons	16		Ok
122	138	An Entity Linking Method Based On Graph Feature And Electricity Domain Knowledge Base	15		Ok
123	139	Security Challenges And Countermeasures For The Internet Of Things (Iot)	Rejected in first screening		
124	140	Optimizing The Product Lifecycle Management Support Process Using Queuing Theory	Rejected in first screening		
125	141	Lightweight Encryption Algorithm For Internet Of Things	42		
126	142	Classification Of Breast Cancer Tumor Using Ensemble Learning	52		
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129	145	Self Recurrent Neural Network Based Event Triggered Moving Object Tracking Strategy For Sensor Network	Rejected in first screening		
130	146	Electronic Shopping Website With Recommendation System	Rejected in first screening		
131	147	Sentiment Analysis Using Naïve Bayes, CNN, SVM	28		

132	148	Image Caption Generator	22		
133	149	Multimodal Biometric Authentication For Smartphones	Rejected in first screening		
134	150	Pneumonia Detection Using Cnn	30		
135	151	Pneumonia Detection Using Cnn	Rejected in first screening		
136	152	Ai Based Society Management System	Rejected in first screening		
137	153	Sizear – Online Apparel Trial System For Customers Using Ar	Rejected in first screening		
138	154	Rtl Verification And Fpga Implementation Of Generalized Neural Networks: A High-Level Synthesis Approach	14		
139	155	Face Spoofing Attacks And Detection: A Review	23		
140	156	Survey On Driver Fatigue Detection Using Sensors, Big Data Analytics And Machine Learning Techniques	Rejected in first screening		
141	157	Smart System For Facial Drowsy Recognition Using Convolutional Neural Network	Rejected in first screening		
142	158	Investigating The Role Of Artificial Intelligence In Building Smart Contact On Block-Chain	14		
143	159	Bluetooth Energy Meter	Rejected in first screening		
144	160	Experimental Investigation Of Crop-Disease Detection And Crop-Yield Analysis Systems: A Numerical Outlook	29		
145	161	A Review Of Forest Fire Prediction And Prevention	Rejected in first screening		
146	162	Terror Attacks Forecast Based On Gtd And Ml Approaches	Rejected in first screening		
147	163	New Approach For Solving Fully Fuzzy Linear Programming Problems	54	28	
148	164	Automated Attendance System Using Face Detection	Rejected in first screening		
149	165	Optical Character Recognition Using Google Tesseract	Rejected in first screening		
150	166	Evaluating Techniques Used For Bidirectional Sign Language Translation A Review Of Literature	24		
151	167	Smart And Secure Way Of Password	Rejected in first screening		

		Storage	screening		
152	168	Real Time Credit Application Fraud Detection By Using Multilayer Data Mining Algorithms	Rejected in first screening		
153	169	Smart Image Forgery Detection (Sifd)			
154	170	Music Analyzer Based On Facial Expression.	38	21	
155	171	Automatic Recognition Of Vehicle Number For Reducing Traffic Rules Violation Using Machine Learning	19		
156	172	Children Biometric Recognition For The Betterment Of Society Using Deep Intelligence	28		
157	173	Terror Attacks Forecast Based On Gtd And MIAppraoches	Rejected in first screening		
158	174	Compression Of Color Image Using Vector Quantization .	Rejected in first screening		
159	176	Design And Development Of A Low Cost Automated Farming Robot	Rejected in first screening		
160	177	Heart Disease Prediction Using Machine Learning	Rejected in first screening		
161	178	Contour Parallel Offset Toolpath Generation For Cnc Milled Parts	Rejected in first screening		
162	179	Augmented Reality Based Application For Linear Algebra Visualization: Development Of Interactive Learning Environment	Rejected in first screening		
163	180	Availability-Aware Multi-Objective Cluster Allocation Optimization In Energy-Efficient Datacenters	Rejected in first screening		
164	181	A Survey On Traffic Sign Recognition, Pedestrian Detection Techniques And Vehicle Detection Techniques For Autonomous Vehicles	Rejected in first screening		
165	182	Automated Attendance Management System Using Face Recognition	Rejected in first screening		
166	184	Color Detection Of Rgb Images Using Python And Opencv	Rejected in first screening		
167	185	Plant Disease Detection Using Cnn	Rejected in first screening		
168	186	Artificial Intelligence For Farming	40		
169	187	Cyber bullying Detection System	31		
170	188	Home Automation Using Arduino	Rejected in first screening		
171	189	An Overview Of Data Hiding Techniques Using Various Approaches	Rejected in first screening		

172	190	A New Xor Gate Based Half Adder Design In Qca Nanotechnology	Rejected in first screening		
173	191	Academia : Web Platform For E-Learning	Rejected in first screening		
174	192	Smart And Customised Travel Application With Group And Destination Based Recommendation System	Rejected in first screening		
175	193	Healthcare Recommendation System	Rejected in first screening		
176	194	Trust Based Farmer Consumer E-Commerce Model: An Opinion Mining Based Machine Learning Approach	Rejected in first screening		
177	195	Comparison Of Attention Based Neural Network With Other Deep Learning Approaches ForCovid Detection	84		
178	196	Sign Language Recognition System	Rejected in first screening		
179	197	Deep Learning For Diabetic Retinopathy Using Optical Coherence Tomography-A Review	Rejected in first screening		
180	198	Gun Detection: Comparative Analysis Using Transfer Learning In Single Stage Detectors	21		
181	199	Face Recognition Based On Touchless Attendance System	Rejected in first screening		
182	200	Question Classification Based On Hybrid Deep Learning Model	41		
183	201	Development Of Remote Patient Monitoring System For Arrhythmia Classification Based On Real-Time Ecg Signals	40		
184	202	Various Techniques In Recommendation Systems: A Review Paper	Rejected in first screening		
185	203	Oneclick E-Services Portal By Using Linear Regression Algorithm	Rejected in first screening		
186	204	Technology For Disabled With Smartphone Application For Blind People	Rejected in first screening		
187	205	Mobile Apps For The Session Musicians Community In Indonesia	Rejected in first screening		
188	206	Artopia: A Digital Crowdfunding Platform For Artists And Content Creators	Rejected in first screening		
189	207	Restaurants Recommendation System Based On Health Nutrition: Improving RatingPredictions Using Sentiment Analysis	Rejected in first screening		
190	208	Energy Harvesting Techniques For Next Generation Using Wireless Networks	Rejected in first screening		
191	209	A Survey On Design And Application	Rejected in first		

		Approaches In Women-Safety Systems	screening		
192	210	Safeguarding E-Healthcare Documents Utilizing An Infrastructure For Advanced Keyless Signature Infrastructure Blockchain Within The Cloud	15		
193	211	Intelligent Tb Disease Prediction System	60		
194	212	Implementation Of Faster Rcnr Algorithm For Smart Robotic Arm Based On Computer Vision	22		
195	213	Predicting Student Performance With Deep Neural Network	Rejected in first screening		
196	214	Terror Attacks Forecast Based On Gtd And MI Appraoches – A Review	Rejected in first screening		
197	215	Music Recommendation Using Deep Learning A Study	Rejected in first screening		
198	216	Wearables And Bio Sensor	Rejected in first screening		
199	217	Disease Prediction Using Machine Learning	Rejected in first screening		
200	218	A Review Of Present Status & Future Aspects Of Computer Vision And Machine Learning Techniques Used In Underground Tunnel Engineering: Digital Revolution	Rejected in first screening		
201	219	Improving The Performance Of The E-Learning Device Using Embedded System Based Reconfigurable Architectural Platform	Rejected in first screening		
202	220	User Behaviour Analysis Based On Their Social Media Interaction	Rejected in first screening		
203	221	An Adaptive Algorithm For Lexical Ambiguity In Natural Language Processing	17_12	16	OK
204	222	Blockchain-Based Supply Chain Management	Rejected in first screening		
205	223	Design Of Electric Vehicles Charging Station With Multiport System	31	21	OK
206	224	Credit Card Fraud Detection Using Machine Learning Algorithm	Rejected in first screening		
207	225	Rfe-Aco-Rf: An Approach For Cancer Microarray Data Diagnosis	Rejected in first screening	28	
208	226	Review Paper On: University Admission Prediction Using Google Vertex Ai	Rejected in first screening		
209	227	Autonomous Drones Based Forest Surveillance Using Faster R-Cnn	Rejected in first screening		
210	228	A Review On Enabling 5g In India	Rejected in first screening		

211	229	Hashing Techniques Based On Duplication Detection Using Big Data	Rejected in first screening		
212	231	Inductive-Deductive Reasoning In Qualitative Analysis Using Atlas.Ti: Trending Cybersecurity Twitter Data Analytics	23		OK
213	232	A Back Propagation Nn To Optimize The Iot Network	41		
214	233		Rejected in first screening		
215	234	A Modified Multiband Antenna For 5g Communication	23		OK
216	235	Brain Storm-Based Neural Network For Eeg-Based Emotion Recognition	19		
217	236	Study Of Missing Data Imputation Using Machine Learning Techniques And Classification	Rejected in first screening		
218	237	Literature Recommendation System To Recommend The Best True Research Papers To TheUser	Rejected in first screening		
219	238	Identification Of Hate Content Using Svm	44	22	OK
220	239	Line Loss Reduction With Optimal Placement Of Dgs By Using Contingency Analysis Of 5 Bus System	18		
221	240	Iot Based Power Theft Detection, Monitoring And Control System	Rejected in first screening		
222	241	Online TravelAnd Tourism Web Application	Rejected in first screening	26	OK
223	242	Detection Of Miniature Objects Using Yolor (You Only Learn One Representation)	32		
224	244	A Filipino Language Morphological And Stochastic Stemming Template	Rejected in first screening		
225	245	Analysis And Prediction Of Covid-19 Cases Using Machine Learning Techniques	8		OK
226	247	Realtime Sign Language Detection And Recognition	Rejected in first screening		
227	249	Crop Recommendation And Crop Yield Prediction Using Machine Learning	Rejected in first screening		
228	250	Spontaneous Driver Fatigue Discernment System Using Artificial Intelligence	Rejected in first screening		
229	251	Responsive Drowsiness Detection System Using Computer Vision	Rejected in first screening		
230	252	The Review On Modern Trends In Semantic	Rejected in first screening		

		Web			
231	253	A Comprehensive Survey On Security Attacks To Edge Server Of Iot Devices Through Reinforcement Learning	Rejected in first screening		
232	254	Eye Typing -Vision Based Human Activity Control	Rejected in first screening		
233	255	Indian Sign Language Detection Using Deep Learning	Rejected in first screening		
234	256	Checkmate: A Novel Fact Checker Tool	Rejected in first screening		
235	257	Review Of Mobile Technologies	Rejected in first screening		
236	258	Automated Assessment Tools For Grading Of Programming Assignments: A Review	Rejected in first screening		
237	259	Textile Antenna –Structure, Material And Applications	Rejected in first screening		
238	260	Robo Farm	Rejected in first screening		
239	261	Analysis Of Computational Complexity In Interference Mitigation With 3d Mimo Beamforming Techniques In 5g Networks	Rejected in first screening		
240	262	5g And Beyond Networks Using 3d Mimo	Rejected in first screening		
241	263	Optimizing Vm Allocation With Queue Dependent Requests In Fog Network	Rejected in first screening		
242	264	Effect Of The Face Wears On Acoustic Parameters Of Speech	28		OK
243	265	Implementation Of Blockchain Technology In Healthcare Industry- Systematic Review	Rejected in first screening		
244	266	Geometrically Transformed Image Retrieval With Deep Learning	Rejected in first screening		
245	267	Facial Recognition Attendance System Using Face Recognition Algorithms	Rejected in first screening		
246	269	Review Paper On Sentiment Analysis Using Machine Learning And Deep Learning Techniques	Rejected in first screening		
247	270	Cloud-Based Mixed Reality System In Machinery Vocational School - Ict Blueprint	25		OK
248	271	Employee Management System	44		
249	272	Day Ahead Hybrid Forecasting Of Global Horizontal Irradiance Using Machine Learning (Random Forest Algorithm) And Time-Series Model (Sarimax)	25		OK
250	273	Review On Power Conversion Efficiency Improvement Strategies In Rf Energy Harvesting	Rejected in first screening		

251	274	Review Of Automated Assessment Tools For Grading Student Sql Queries	Rejected in first screening		
252	275	Personality Detection With Ai Using Deep Learning Approach	Rejected in first screening		
253	276	Breast Cancer Detection: Comparative Analysis Of Machine Learning Classification Techniques	27		OK
254	277	New Analytic Framework Of Public Mental Health Prediction Using Data Science	15		OK
255	279	Machine Learning Assisted Risk Management And Responsible Conduct Of Gambling	Rejected in first screening		
256	280	Blockchain Based Precision Agriculture Model Using Machine Learning Algorithms	16		OK
257	282	Securing Cloud Application Using Shake-256 Hash Algorithm & Ant forgery Token	Rejected in first screening		
258	283	Predicting Susceptibility To Covid Stress Using Data Mining	14		OK
259	284	Design Of An Elevator Touch less Panel Using Internet Of Things	Rejected in first screening		
260	285	A Gamified Approach For Learning The Concept Of Mathematical Fraction: Assessing Application Efficacy And Efficiency	18		OK
261	287	Design And Implementation Of Convolution Encoder Using Vedic Mathematics	Rejected in first screening		
262	288	Improved Agent Based Load Balancing For Cloud Datacenter	20		OK
263	289	Performance Analysis Of Rram Based Low Power Nvram Cell Designs For Iot Applications.	Rejected in first screening		
264	290	Implementation Of 5g Network Architecture With Interoperability In Heterogeneous Wireless Environment Using Radio Spectrum	Rejected in first screening		
265	291	Assessment Of Hybrid Cryptographic Algorithm For Secure Sharing Of Textual And Pictorial Content	27		OK
266	292	Classification Model For Heart Disease Prediction Using Machine Learning Approach Optimized By Genetic Algorithm	40		
267	293	Equivalent Input Disturbance Based Robust Control For Robot Manipulator Using	25		OK

		Generalized Extended State Observer			
268	294	Detection Of Security Attacks On Edge Computing Of Iot Devices Through Ns2 Simulation	25		OK
269	295	Big Data Analysis For E-Trading Flower Shop Management System	Rejected in first screening		
270	296	Machine Learning Assisted Risk Management And Responsible Conduct Of Gambling	8		OK
271	299	Eye Controlled Wheelchair	12		OK
272	300	A Survey Of Iot Security Issues And Lightweight Cryptography Algorithms For Resource Constrained Devices	Rejected in first screening		
273	301	Disease Prediction And Classification Using Machine Learning Approach	Rejected in first screening		
274	302	Analysis And Forecasting Of Stock Price Using Hybridization Of Sarima And Xgboost	31		
275	303	Hand Gesture Recognition System Based On Hsv Color Model And Motion History	Rejected in first screening		
276	304	A Briefed Review On Phishing Attacks And Detection Approaches	Rejected in first screening		
277	305	Decentralisation In Healthcare Systems Using Blockchain: A Survey	Rejected in first screening		
278	306	Security Challenges In Controller Area Network(Can) In Smart Vehicles	Rejected in first screening		
279	307	Uvc Sanitizing Smart Kit	21		OK
280	308	Sa Based Optimization Of Controller Parameters For Crystallization Unit Of Sugar Factory	28		OK
281	309	Smart City Applications Based On Iot	Rejected in first screening		
282	310	Health Intelligence Partner	Rejected in first screening		
283	311	Face Recognition Smart Attendance System A Survey	Rejected in first screening		
284	312	Securing The Crash Failures And Accidentally Destroyed Data Using Decentralized Checkpoint Control Approach	Rejected in first screening		
285	313	Breast Cancer Detection Using Deep Learning	16		OK
286	314	An Efficient Novel Approach For Early Detection Of Lung Cancer Through	Rejected in first screening		

		Document Image Classification With Distributed Machine Learning Paradigms			
287	315	Edge Detection For Image Segmentation In Mammographic Images	Rejected in first screening		
288	317	Deep Learning-Based Comparative Study To Detect Polyp Removal In Endoscopic Images	29		OK
289	318	A Survey On: Physical Layer Security Enhancement Techniques For Full -Duplex Relay Network	Rejected in first screening		
290	319	Design And Development Of Of Solar Pv Panel Simulator System For Testing Under Controllable Parameters	Rejected in first screening		
291	320	Credit Card Fraud Detection Using Machine And Deep Learning Techniques	Rejected in first screening		
292	321	Failure Detection Of Aircraft Engine Using Lstm	Rejected in first screening		
293	322	Spectrally Efficient Multiple Input Multiple Output (Mimo) Non-Orthogonal Multiple Access (Noma) Technique For Future Wireless Communication	Rejected in first screening		
294	323	Monitoring Of Pv Modules And Hotspot Detection Using Tensorflow	14		OK
295	324	lot Based Smart Energy Meter	Rejected in first screening		
296	325	A Survey On Intrusion Detection Techniques In Iot Networks.	Rejected in first screening		
297	326	Quizopediaplus: Online Examination System For Blind Students Using Scalable Digital Platform	Rejected in first screening		
298	327	Conversion Of Sign Language To Text Using Machine Learning	Rejected in first screening		
299	328	Modelling Lithium Polymer Battery For State Of Charge Estimation Based On Photovoltaic System Data	Rejected in first screening		
300	329	Low Power Vlsi Implementation Of An Efficient Convolution Encoder And Viterbi DecoderUsing Veriloghdl	63		
301	330	A Smart Reader For Visually Impaired People By Usingraspberrypi	Rejected in first screening		
302	331	Filtering Frameworks For Removing Noise And Baseline Wander In Ecg Signal	Rejected in first screening		
303	332	Continuous Question Answering Framework	18		OK
		An Empirical Review Of Blockchain Models			

304	333	For Supply Chain Management From An Analytical Perspective	26		OK
305	334	Academic Emotion Prediction In E-Learning Using Deep Learning Approach	29		OK
306	335	Covid-19 Contact Tracing & Vaccine Sentiment Analysis Using Machine Learning	Rejected in first screening		
307	336	Study Of Color Or Code Generator	Rejected in first screening		
308	337	Fpga Based Military Vehicles Detection And Classification From Drone Videos Using Yolo V5	23		OK
309	338	Real Time Healthcare Monitoring System	Rejected in first screening		
310	339	Voice Based Answer Detection And Evaluation System Using MI And Nlp	Rejected in first screening		
311	340	Handwritten Character Recognition Using Convolutional Neural Network, K-Nearest Neighbor And Support Vector Machine Algorithm	Rejected in first screening		
312	341	Knowledge Graph: Digital Minimalism Ontology Using Semantic Web	20		OK
313	342	Efficient Bone Fracture Detection And Classification Using Machine Learning Approaches'	Rejected in first screening		
314	343	A Survey Paper On Controlling Computer Using Hand Gestures	Rejected in first screening		
315	344	Artificial Neural Network Based Electricity Theft Detection	9		OK
316	345	Smart Vehicle Parking System Using Rfid Technology	Rejected in first screening		
317	346	Optimized Music Genre Classification Implementing Spectrograms On Neural Network	27		OK
318	347	Implementation - Surplus Resources To Private Cloud	10		OK
319	348	Multi Objective Optimization Of Pv/Wind Hybrid Renewable Energy System For A Zero Net Energy Campus	46		
320	349	A Study On Prediction Of Defects In Software Modules Using Machine Learning Techniques	Rejected in first screening		
321	350	Pcos Companion: Seek The Help You Need	Rejected in first screening		
322	351	Thyroid Nodule Detection In Infrared Thermography Using Deep Learning	Rejected in first screening		
323	352	Online Forum For Unintended Pregnancy	Rejected in first		

		Related Queries	screening		
324	353	A Comparative Critique Of Data Analysis Systems Applied To Satellite Datasets In The Field Of Land Use And Land Cover	32		
325	354	Review Of Super Resolution Methods	Rejected in first screening		
326	355	Automatic Pcb Track Design Machine	Rejected in first screening		
327	356	Scholarship Recipient Recommendation For Poverty-Stricken Students Using Unsupervised Learning	21		OK
328	357	Optimal Evacuation Planning Using Integer Programming	16		OK
329	358	Analysis Of Modified Sepic Converter Using Res	41		
330	359	Improved Performance Of Pmsm Using Tunicate Swarm Optimization	31	26	
331	360	Improving Skin Disease Classification Using Residual Attention Network	20		OK
332	361	Self Sustained E-Toilet System Using Iot With Sewage Water Treatment Plant	Rejected in first screening		
333	362	Integration Of Cqcc And Mfcc Based Features For Replay Attack Detection	Rejected in first screening		
334	363	Identification Of Syllables For A Visual Speech Recognition System	29_12		
335	364	Flood Detection Model Using Whale- Crow Search Optimization-Based Deep Convolutional Neural Networks	Rejected in first screening		
336	365	Eeg And Ecg Signals Based Depression Analysis	Rejected in first screening		
337	366	Multispectral Security Using Pca On Palmprint Dataset	Rejected in first screening		
338	367	A Review: Automatic Short Story Generation	Rejected in first screening		
339	368	Realistic Analysis Of Fruit Processing Models For Quality Evaluation From A Statistical Perspective	Rejected in first screening		
340	370	Fire Fighting Drone	Rejected in first screening		
341	371	Real-Time Dynamic Medical Image Processing For Visualizing The Surgical Simulation	33		
342	372	Decentralized Application (Dapp) For Microfinance Using A Blockchain Network	Rejected in first screening		
343	373	Automated Seizure Detection Using Theta	25		OK

		Band			
344	374	Elicitation Of Intracerebral Hemorrhage Using Deep Learning	32	23	OK
345	375	Automatic Text Summarization: A Critical Review	Rejected in first screening		
346	376	Student Information Management System Using Django	Rejected in first screening		
347	377	Image Outpainting Using Wgan-Gp	Rejected in first screening		
348	378	Multinomial Natural Language Processing Based Model For Gene Function Prediction.	Rejected in first screening		
349	379	lot Based Smart Hospital Management System	66		
350	380	Deep Learning Modeling Techniques For Protein Structure Prediction: Systematic Review	Rejected in first screening		
351	381	Use Of Smart Antennas For Collaborative Spectrum Sensing In Cognitive Radio	22		OK
352	382	Smart Task Board: Complete Web Accessible Solution To Modern Task Management	Rejected in first screening		
353	383	Website For Communication Skill Improvement	Rejected in first screening		
354	384	Forest Fire Spread Simulation Using Satellite Remote Sensing & Cellular Automata In A Web Gis Environment	17		OK
355	385	Software Defect Prediction Using Smote Tomek Links And Ensemble Methods	36		
356	386	Career Path Prediction System Using Supervised Learning Based On Users' Profile	Rejected in first screening		
357	387	Video Content Classification Using Deep Learning	46		
358	388	Performance Evaluation Of Automatic Suspicious Activity Detection Method	32	25_20	
359	389	Pedestrian Detection And Tracking Through Kalman Filtering	21		OK
360	390	Study Of Malnutrition Among Children Using Indian Demographic And Health Survey Data.	Rejected in first screening		
361	391	Stock Forecasting Using Hmm And Svr	15		OK
362	392	Design Of Rubber Substrate Based Flexible Antenna With Dgs For Wban Applications	18		OK
363	393	Sentiment Analysis Using Opinion Mining			

364	394	Performance Prediction Model Using Machine Learning For Engineering Institutes Based On Nirf Rankings	22		OK
365	395	Notification System For Drowsy Driver	Rejected in first screening		
366	396	C-Iot Inspired Real-Time And Intervallic Accreditation Under Education 4.0	Rejected in first screening		
367	397	Maximum Response Mechanism In Vehicular Cooperative Caching For C-V2x Networks	19		OK
368	398	Design And Development Of Collision Avoidance System For Two Wheeler	Rejected in first screening		
369	399	Deep Learning Based Fake News Detection System	82		
370	400	Statistical Analysis On It-Training Providers In Tashkent	Rejected in first screening		
371	401	An Overview Of Ecc For Identity Management And Secure Communication In The Iot Ecosystem	Rejected in first screening		
372	402	Real-Time Water Quality Management Using Iot	Rejected in first screening		
373	403	Illegal Fishing Detection Using Neural Network	24		OK
374	404	Java Performance Techniques	Rejected in first screening		
375	405	Nudity Detection On Social Media Through Svm And Cnn	Rejected in first screening		
376	406	Internet Of Things Based Smart Energy Meter With Real Time Data Monitoring	28	11	OK
377	407	Artificial Farming: An Innovative Approach For Growing Vegetables	14		OK
378	408	Skin Disease Classification Using Convolutional Neural Network	Rejected in first screening		
379	409	Mental Health Prediction Using Natural Language Processing.	Rejected in first screening		
380	410	Hybrid Software Reliability Prediction Model Using Feature Selection And Support Vector Classifier	32	22	OK
381	411	Automatic Feature Extraction From Aerial Imagery	37		
382	413	Implementation Of Iot In Artificial Limbs	16		OK
383	414	Position Estimation In Dc Motor Using Strain Gauge Based Closed Loop Control For Robotic Grippers	20		OK
		Review On Power Conversion Efficiency	Rejected in first		

384	415	Improvement Strategies In Rf Energy Harvesting	screening		
385	416	Reconstruction Of Incomplete Image By Radial Sampling	21		OK
386	417	Sentimental Analysis On E-Learning Videos Using Hybrid Algorithm Based On Naïve Bayes And Svm	22		OK
387	418	So-Du-Ku Game Puzzle For Improving Shade Dispersion Factor On Pv Array Systems Under Pscs: Experimental Validation	27		OK
388	419	Approaches To Intrusion Detection Systems	29		OK
389	420	Sentiment Analysis Of Online Product Reviews	42		
390	421	Gas Leakage Emergency System	Rejected in first screening		
391	422	Study On Vehicle Smart Lighting System	Rejected in first screening		
392	423	Face Restoration With Generative Facial Features (Gff)	27		OK
393	424	Comparative Framework For Information Security Risk Assessment Model	86		
394	425	Design And Simulation Of Circular Coplanar Textile Antenna With C – Slot			
395	426	Design And Optimization Of Headbox Control System For Paper Factory	36		
396	427	Various Controllers Design For Lime Kiln Unit Of Paper Mill	Rejected in first screening		
397	428	Review On Energy Efficient V2v Communication Techniques For A Dynamic And Congested Traffic Environment	28		OK
398	430	Machine Learning Based Soybean Plant Disease Identification, Detection And Control	Rejected in first screening		
399	431	A Multiple Stage Deep Learning Model For Nid In Manets	33	22	
400	432	Deep Learning Framework For Facial Emotion Recognition Using Cnn Architectures	37		
401	433	Floyd Algorithm For Energy Efficient Routing In Wireless Sensor Network	Rejected in first screening		
402	434	Detection Of An Electricity Losses Using Machine Learning Algorithm	Rejected in first screening		
403	435	Contrast Enhancement Of Satellite Image Using Optimization Algorithm	Rejected in first screening		

404	436	Dynamic Medical Image Reconstruction	38		
405	437	Diabetes Prediction System	Rejected in first screening		
406	438	Smart Parking System	Rejected in first screening		
407	439	Galaxy Classification And Exoplanet Discovery Using Kepler Data	Rejected in first screening		
408	440	Online Examination System	Rejected in first screening		
409	441	Environmental Sound Classification Using Deep Learning	Rejected in first screening		
410	442	Department Store Management System	Rejected in first screening		
411	443	Harvestifier	Rejected in first screening		
412	445	Augmented Reality Ruler	Rejected in first screening		
413	446	Music Recommendation Using Sentiment Analysis From Facial Recognition	Rejected in first screening		
414	447	Background Noise Suppression Using Deep Learning	26_10		
415	448	Secured Healthcare System	25		OK
416	449	Classification Of Stages Of Diabetic Retinopathy Fundus Images Using Svm And Dnn	13		OK
417	450	IoT Based Club Foot	Rejected in first screening		
418	451	IoT Based Wireless Data Acquisition System For All Terrain Electric Vehicle	Rejected in first screening		
419	452	An Effective Hybrid Segmentation Approach For Better Recognition Of Cursive Handwritten Characters.	Rejected in first screening		
Special Session					
1	HV_01	Ai enabled e-commerce studio	12%		OK
2	HV_02	Currency recognition for the visually impaired people	22%		OK
3	HV_03	Application development for solving the farmer yield problem using cloud computing	13%		OK
4	HV_04	Red Deer - The Meta-heuristic Bio Inspired Algorithm	22%		OK
5	HV_05	Drowsiness detection for accident prevention	34%		
6	HV_06	Machine Learning based Spectrum Sensing in Cognitive Vehicular Networks	14%		OK

7	HV_07	C bot- an assistant for c programming	22%		OK
8	HV_08	A Practical Approach to Expert System in VLSI Using Artificial Intelligence	16%		OK
9	HV_09	A Smart iot based wild animal intrusion detection system	33%		Rejected in first screening
10	HV_10	Multi station approximation and Noise mitigation process to OFDM systems Using Successive JCI	34%		Rejected in first screening
11	HV_11	Xilinx/Digilent FPGA Add-ons for iot Applications	19%		OK
12	HV_12	Implementation of Arduino Asset Tracking System using Internet of Things	50%		Rejected in first screening
13	HV_13	Design and Implementation of iot based Autonomous Robot for Military Applications	15%		OK
14	HV_14	Brain Cancer Detection by Using Cluster Evaluation Technique	21%		OK
15	HV_15	Design Implementation of iot based Arduino Missile Detection Robotic Vehicle with Auto Destroy System	19%		OK
16	HV_16	Design and Development of Cost Effective Fingerprint based Exam hall Corroborate System	48%		Rejected in first screening
17	HV_17	Compact Dual Band circular Hexa fractal antenna	36%		Rejected in first screening
18	HV_18	Dynamic NLP Enabled Chatbot for Rural Health Care in India	57%		Rejected in first screening
19	HV_19	LIGHTWEIGHT ENCRYPTION ALGORITHM FOR ANDROID (iot) DEVICES	33%		Rejected in first screening
20	HV_20	Traffic Violation Invigilation using Transfer Learning	16%		OK
21	HV_21	Mobile Banking Services application	13%		OK
22	HV_22	Battery-supercapacitors hybrid energy storage systems: a survey	30%		OK
23	HV_23	Artificial intelligence based cervical cancer risk prediction using ml algorithms	28%		OK
24	HV_24	Artificial Intelligence's Applications in the Legal System and Law Enforcement	22%		OK
25	HV_25	Design and Implementation of N –Bit XOR based Carry Select Adder for Low Power and Reduced Area Applications	40%		Rejected in first screening

26	HV_26	Arduino based economical floor cleaning robot	53%		Rejected in first screening
27	HV_27	Segmentation of Brain Images Using Adaptive Gaussian Kernel Fuzzy C Means Clustering	28%		OK
28	HV_28	Arduino based Rescue Device with GPS Alert for Women Safety Application	62%		Rejected in first screening
29	HV_29	Human Footstep Power Harvesting Systems using Piezoelectric Sensor Technology	10%		OK
30	HV_30	Charging Electric Vehicle using Hybrid Renewable Energy Sources	44%		Rejected in first screening
31	HV_31	Efficient iot based Smart Home Assistance System with Electrical Control Unit	20%		Rejected in first screening
32	HV_32	Ai-based analysis on stock market economy fluctuations due to covid-19	30%		OK
33	HV_33	Artificial intelligence-based approaches for prediction, detection, and diagnosis of covid-19	42%		Rejected in first screening
34	HV_34	Deep learning techniques to detect and diagnose of covid19	47%		Rejected in first screening
35	HV_35	Artificial intelligence-based forecasting techniques for the covid-19 pandemic.	29%		OK
36	HV_36	Artificial Intelligence–Driven Techniques Advanced Signals and Communication Systems	83%		Rejected in first screening
37	HV_37	Artificial Intelligence based Optimal Biometric Security System Using Palm Veins	18%		OK
38	HV_38	Artificial Intelligence based Early Detection and Timely diagnosis of Mental Illness - A Review	25%		OK
39	HV_39	Artificial intelligence (ai) based techniques for covid-19 vaccination – a review.	35%		Rejected in first screening
40	HV_40	Artificial intelligence techniques for detection as well as diagnosis of cancer and prediction of mutations	39%		Rejected in first screening
41	HV_41	Icp1 road map artificial intelligence based smart iot health care monitor systems: a survey	36%		Rejected in first screening
42	HV_42	Artificial intelligence based prediction methodologies for covid-19 pandemic	26%		OK

43	HV_43	Artificial intelligence-based diagnosis strategies for covid-19 pandemic	46		Rejected in first screening
44	HV_44	Artificial intelligence based face mask detection techniques for prevention of covid-19	84%		Rejected in first screening
45	HV_45	Ai based prediction, diagnosis and detection of corona virus	57%		Rejected in first screening
46	HV_46	Facial recognition using opencv and python on raspberry pi	20%		OK
47	HV_47	Clustering Student Learners based on performance using K-Means Algorithm	18%		OK
48	RK_01	Detection of Epileptic Seizure using Fast Adaptive Neuro Fuzzy Inference System	20%		OK
49	RK_02	Patient health monitoring using feed forward neural network with cloud based internet of things	26%		OK
50	RK_03	Study on machine learning techniques utilized for eye gaze estimation	31%		Rejected in first screening
51	RK_04	A Novel Methodology based Soil characteristic Analysis using Machine Learning Techniques	24%		Rejected in first screening
52	RK_05	Secure Key Exchange and Authentication Mechanism for XML Document using Lagrange's Interpolation	27%		OK
53	RK_06	Real time interaction-based Healthcare monitoring during Medical Emergencies with Internet of Things	19%		OK
54	RK_07	Real time Detection of Misinformation on Twitter using Ensemble Learning and Natural Language Processing	48%		Rejected in first screening
55	RK_08	Semantic Analysis on Cell Data Using the inverse document frequency & KNN Machine Learning Approach	23%		OK
56	RK_09	Semantic Analysis on Cell Data Using the inverse document frequency & KNN Machine Learning Approach	24%		OK
57	RK_10	Augmented Reality Based Application for Linear Algebra Visualization: Development of Interactive Learning Environment	21%		OK
58	RK_11	Immersive Reality Technologies: State of Art from 2010 to 2021	46%		Rejected in first screening
59	RK_12	Real time facial components detection using	15%		OK

		haar classifiers			
60	RK_13	Analyzing the impact of Augmented Reality based Digital Environment on Students' Learning	30%		OK
61	RK_14	Security Intensification using Blockchain coupled with Internet of Things: Proposal, Challenges and Anatomization.	47%		Rejected in first screening
62	RK_15	Blockchain for Smart Ticketing	16%		OK
63	RK_16	An Event Study Analysis on Stock Market Reaction amid Geo-Political Crisis in India	15%		OK
64	RK_17	Information Efficiency around Dividend Announcements in Indian Stock Markets: A Case of Bombay Stock Exchange	11%		OK
65	V1/VS7	Observing Performance of Naive Bayes Classifier on Nursery Dataset	32		OK
66	V2/VS8	A comparison of accuracy using machine learning techniques	28		OK
67	V3/VS9	Performance comparative analysis and prediction of diabetes mellitus using knn and naive bayes	19		OK
68	V4/VS10	WeatherNet: Transfer learning-based weather recognition model	19		OK
69	V5/VS11	Multi-key Multi-modalities Biometric Encryption for Business enterprises using cloud as Storage	28		OK
70	VR1/VS12	Analysis of Materialization View Selection Approaches in Data Warehouse	31		Rejected in first screening
71	VR2/VS13	Performance metrics in Bug Detection using Regression	20		OK
72	VR3/VS14	Efficient Data caching and computation Efficient Data caching and computation offloading strategy for edge network	19		OK
73	VR4/VS15	Optimal Resource Allocation by Reverse Optimal Resource Allocation by Reverse Stackelberg Game Approach in Blockchain	21		OK
74	VR5/VS16	Machine Learning Techniques for Voice-based Early Detection of Parkinson Disease	27		OK
75	VR6/VS17	Lightweight modified consensus approach in IoT Blockchain	16		OK
	VR7/V	OPABP-Optimizing Parameters, to Improve	30		OK

76	S18	Accuracy in Bug Prediction using Machine Learning			
77	VS1	Webapp: Non-invasive Hemoglobin Level Prediction Using a Convolutional Neural Network (CNN).	13		OK
78	VS2	Machine Learning-based Model to Predict Student's success in Higher Education	16		OK
79	VS3	Potato Leaf Disease Detection using CNN	20		OK
80	VS4	Human Health Monitoring using IOT	24		OK
81	VS5	A Novel Threaded Topology-Transparent Scheduling Protocol for Wireless Networks	28		OK
82	VS6	Notification Based Multichannel MAC (NM-MAC) Protocol for iot-enabled Healthcare applications	18		OK
83	SA_01	Human to cyborg tranformation: a review on neuralink	16%		OK
84	SA_02	Design and Development of a Low Cost Automated Farming Robot	15		OK
85	SSAK_01	Performance Analysis of Massive MIMO Millimeter Wave NOMA hetnet	27%		OK
86	SSAK_02	Application Scenario of Block Chain Security in Massive MIMO	28%		OK
87	SSAK_03	A review on Blockchain	42%		Rejected in first screening
88	SSAK_06	Blockchain Security Implementation using Python with NB-iot deployment in Food Supply Chain	38%		Rejected in first screening
89	PW01	Medical Image Fusion in NSST Domain utilizing Laplacian Low Energy and Average Fusion Rule	34%		Rejected in first screening
90	PW02	Diabetes Classification and Prediction With Pycaret(Low Code ML Library)	44%		Rejected in first screening
91	PW03	Intelligent smart sensor for cognitive radio networks : comparison ,solution and analysis	26%		OK
92	RP_01	Image Processing with Encryption and Communication Network	34%		Rejected in first screening
93	RP_02	Comparative Analysis of Different Feature Extraction used in Gurmukhi Word Recognition System	19%		OK
94	RP_03	Machine Learning-Based Intrusion Detection System for Healthcare Data	33%		Rejected in first screening
	RP_04	Graphical User Interface Design and Implementation for Early Lung Cancer	28%		OK

95		Diagnosis			
96	RP_05	Deep Learning-Based Predictive Model for Defect Detection and Classification in Industry 4.0	25%		OK
97	RP_06	Augmented Reality in Chemistry Education: An Exploratory Analysis	29%		OK
98	RP_07	Smart Healthcare Support using Digital Image Processing and iot	17%		OK
99	RP_08	A Blockchain Solution for Secure Health Record Access with Enhanced Encryption Levels and Improved Consensus Verification	26%		OK
100	RP_09	Augmented Reality in Education: A Survey	21%		OK
101	RP_10	Comparative analysis of traditional classification methods and ensemble methods with reference to performance assessment of faculty in higher education institution	37%		Rejected in first screening
102	RP_11	Patch-Based Classification for Alzheimer Disease using smri	25%		OK
103	RP_12	A Novel Method on Sentiment Analysis Using Deep Learning Model	31%		Rejected in first screening
104	RP_13	Edge Computing – An Emerging trend in Current Era	59%		Rejected in first screening
105	RP_14	Sensor based stress monitor using eeg signals applications	16		OK
106	RP_15	Why the adoption of blockchain solutions by the industry is sluggish?	27		OK
107	RP_16	A Deep Learning Model for Human Emotion Recognition on Small Dataset	23		OK
108	RP_17	Nonlinear System Identification Using Robust Fusion Kernel-Based Radial basis function Neural Network	27		OK
109	RP_18	Design of Depressed-core Four-ring Few-mode Fiber for Next-Generation Communication	28		OK
110	RP_19	IOT Enabled Prenatal Health Monitoring System for Pregnant Women	17		OK
111	RP_20	Cardiac Data Compression for Reduced Traffic on Application of iomt	20		OK
112	RP_21	Amalgamation of Virtual Reality, Augmented Reality and Machine	22		OK

		Learning: A Review			
113	RP_22	C-iot Inspired Real-Time and Intervallic Accreditation Under Education 4.0	30_10		Rejected in first screening
114	RP_23	A brief overview of Load Balancing techniques in fog computing environment	36		Rejected in first screening
115	RP_24	Effect of Number of Processors on the Bus Transactions for Cache Coherence Protocols in SMP	62		Rejected in first screening
116	SV_02	Indigenous herbal medicinal plants recognition: A comprehensive review	23%		OK
117	SV_03	An improved deep neural learning classifier for brain tumor detection	35%		Rejected in first screening
118	SV_04	An Enhanced Intelligent Attendance Management System for Smart Campus	29%		OK
119	SV_05	Dynamic tree routing protocol with convex hull optimization for optimal routing paths	37%		Rejected in first screening
120	SV_06	An improvised method for anomaly detection in social media using text mining	30%		OK
121	SV_07	Design of electric vehicles charging station with multiport system	30%		OK
122	SV_08	Secure Authentication Scheme for Medical care applications based on iot	29%		OK
123	SV_10	Comparative Analysis of Liver diseases by using Machine Learning Techniques	20%		OK
124	SV_12	Simulation of Pick and Place Robotic Arm using Coppeliassim	20%		OK
125	UH_01	Sleepiness recognition system for driver to prevent road accidents	47%		Rejected in first screening
126	UH_02	Predicting heart disease using deep learning techniques	27		OK
127	UH_03	Multi-modal genre classification for movies using deep learning tech	29%		OK
128	UH_04	Applications of iot in agriculture - the need and implementatio	18%		OK
129	UH_05	Electronic Eye Smart Stick: An assistant and helping hand for visually impaired people.	18%		OK
130	UH_06	Detection of skin cancer (Melanoma) using Image processing	40		Rejected in first screening
131	UH_07	Automatic sanitization robot	76%		Rejected in first screening
		A New Methodology for Detecting Anomaly set in Categorical data	87%		Rejected in first screening

132	UH_08				
133	UH_09	Automated garbage segregator and bin monitoring system	6%		OK
134	UH_10	Security System using Open CV based Facial Recognition	21		OK
135	UH_11	Review on various Real Time Driver Drowsiness Detection Techniques	29		OK
136	UH_12	Machine Learning based Classification and Segmentation Algorithms for Glaucoma Detection	44		Rejected in first screening
137	UH_13	lot based smart farm protection system	40		Rejected in first screening
138	UH_14	lot based smart energy meter: energy theft system	39		Rejected in first screening
139	UH_15	lot Based Air Quality Monitoring System	38		Rejected in first screening
140	UH_16	Ensemble based machine learning classifier for breast cancer prediction using wisconsin dataset	18		OK
141	UH_17	E-ventilator (Emergency ventilator) for Emergency situations	41		Rejected in first screening
142	UH_18	Detecting the presence of fake news content on social networking platforms using ML & NLP	14		OK
143	UH_19	Data Mining techniques and Applications in Education: Last Five years study	27		OK
144	UH_20	Computer crimes and security : A review	15		OK
145	UH_21	Automated multiple disease diagnosis website	19		OK
146	RA_1	Performance analysis of a UWB antenna for MIMO applications	50%		Rejected in first screening
147	RA_2	Social educational streaming platform using html live streaming	31%		Rejected in first screening
148	RA_3	Sentimental analysis on E-Learning videos using Hybrid Algorithm based on Naïve Bayes and SVM	22%		OK
149	RA_4	Optimal Solutions of the Bulk Transportation Problem with Two Criteria and Two Modes of Transportation	18		OK
150	RA_5	The Mobile bot for sewage plants manipulation	23%		
151	RA_6	lot Based Elephant Detection System Using Vibration Sensors	20%		OK
152	RA_7	Identification of Syllables for a Visual Speech Recognition System	81%		

153	RA_8	FPGA based Implementation of Modified Space Vector Modulation Technique for 3-phase VSI for	25%		OK
154	RA_9	A Novel Framework to Perform Efficient Analysis of Animal Sciences Using Big Dat	25%		OK
155	RA_10	Disease Prediction by Machine Learning over Big Data from Healthcare Communities	28%		OK
156	RA_11	Comparative Analysis of Optimization Algorithms for Antenna Selection in MIMO Systems	38		Rejected in first screening
157	RA_12	Design and performance analysis of an aperture coupled MIMO antenna for thz applications	47		Rejected in first screening
158	RA_13	Adaptive Resource Allocation using Feedback Approach: Review	25		OK
159	RA_14	Skin disease classification using convolutional neural network	34		Rejected in first screening
160	RA_15	Real-time contactless respiration monitoring setup using 10 ghz SIW based Leaky Wave Antenna	47		Rejected in first screening
161	RA_16	Performance analysis of WDM-ROF network with different receiver filters	35		Rejected in first screening
162	RA_17	Mental health prediction using natural language processing	30		OK
163	RA_18	lot Based GPS tracking system with SOS capabilities	25		OK
164	RA_19	Illegal Fishing Detection using Neural Network	26		OK
165	RA_20	A Concise Review on Internet of Things – Architecture and its Enabling Technologies	27		OK
166	RA_21	Android Malwares with their Characteristics and Threats	15		OK
167	SS05PB1	Integrated Low-Cost Intelligent Solution for Inland Aquaculture	28%		OK
168	SS05PB2	Railroad maintenance predictor system for metro railroad systems	11%		OK
169	SS05PB3	Computer Vision Based Smart Agriculture Storage with Quality and Quantity Analysis and Recipe Suggestion	9%		OK
170	SS05PB4	Neoteric experimental PLC Configuration using Wireless Local Area Network (WLAN) Technology in paper Industry	9%		OK
171	SS05PB5	Experimental design for Optimal location	16%		

		prediction for Solar Panel Installation Using Bot			OK
172	JPR_2	Regex-msvm: Regular expression based text classification using msvm and its Comparative analysis with other machine learning algorithms	40%		Rejected in first screening
173	JPR_3	Indian Sign Language Detection using Deep Learning	35%		Rejected in first screening
174	JPR_4	Intelligent intrusion detection system using blockchain	62%		Rejected in first screening
175	JPR_5	"Detection of Malicious Activities and Connections for Network Security using Deep Learning"	23%		OK
176	JPR_6	An Detection of Cardivascular Disease using Deep Learning"	37		Rejected in first screening
177	JPR_7	Customer face recognition and detection in banking application using deep learning	16%		OK
178	JPR_8	Blockchain based Social Media Fake News Detection using Supervised Classification and its Comparative analysis with other machine learning algorithms	31%		Rejected in first screening
179	JPR_9	Association Rule Hiding Techniques for Data Sanitization on Transactional Datasets	25%		OK
180	VK1	A Fuzzy Statistical Perspective for Empirical Evaluation of EEG Classification Models for Epileptic Seizures	20%		OK
181	VK2	A Statistical Perspective for Empirical Analysis of Bio-Inspired Algorithms for Medical Disease Detection	17		OK
182	VK3	An empirical investigation of dynamics of institutional investors' trading behaviour and stock market returns in india during covid-19 period	16%		OK
183	VK4	Making Internet of Things Robust Through Blockchain Technology: A Quantitative Study in the World of Technology Advancements	15%		OK
184	VK5	Intrusion Detection System using distributed multilevel discriminator in GAN for iot System	25		OK
185	VK6	A Study of Artificial Intelligence in Transforming Supply Chain	25		OK

		Management in the Agile Business World- An Empirical Study			
186	VK7	The Impact of “Artificial Intelligence” on Business in the Dynamically Changing Era of Disruptive Technology - An Analytical Study	22		OK
187	VK8	Non-polynomial spline technique for numerical simulation of singularly perturbed boundary value problem with two parameters and its application in mechanics	22		OK
188	VK9	An Empirical Analysis of Different Techniques for Spam Detection	25		OK
189	VK10	Advanced machine Learning model for Health Monitoring in iot System	25		OK
190	VK11	Advanced Big Data Analysis Approach for Credit Card Fraud Detection	31		Rejected in first screening
191	VK12	An Analytical Review of Heart Failure Detection from Heart Sounds	32		Rejected in first screening
192	VK13	Enhancing the Convergence Speed and Accuracy of Particle Swarm Optimizers through Adaptive Learning	18		OK
193	VK14	Face-Skull Overlay via Augmented Salient-Point-Based Scan Mapping Using a Novel Transfer Learning Technique	22		OK
194	VK15	An Empirical Perspective of Analytical Evaluation of Techniques for Video Summarization	23		OK
195	VK16	An Empirical Analysis of smart grid deployment system models based on demand side perspective	26		OK
196	VK17	An Analytical Review on Challenges and Solutions for Secure Data Access through Blockchain- Based iot	25		OK
197	VK18	Digitalization of Indian Economy: An empirical analysis with special reference to Uttar Pradesh	23		OK
198	VK19	Factors Assessing Human Resource Practices: A study of Indian Corporate Sector	23		OK
199	VK20	A Game Theory Model for Optimization of the OTT Platform Strategies	26		OK
200	VK21	A Empirical Analysis of Skin Melanoma Detection Based on Machine Learning	22		OK



		Techniques			
201	VK 22	An Analytical Perspective on Various Deep Learning Techniques for deepfake Detection	21		OK
202	SSAK_05	Machine Learning based Spectrum Sensing in Cognitive Vehicular Networks			Rejected in first screening
203	VK 24	An IOT based Solution for Crop prediction based on Novel Hybrid Deep Learning Techniques	29		OK
204	VK 25	E-health system for disease prediction based on Machine Learning	44		Rejected in first screening
205	VK 26	An Analytical Perspective for Diabetic Retinopathy Using Convolutional Neural Network	24		OK
206	VK 27	A Convolution Neural Network Based Model for Stock Market Index Prediction	25		OK
207	VK_28	Performance Evaluation of Power Models on Hybrid Cloud With Respect To Energy Efficiency	25		OK
208	VK_29	An Analytical Review of Techniques for Soil Quality Analysis	32		Rejected in first screening
209	VK_31	Copy-Move Forgery Detection using SIFT and Agglomerative Hierarchical Clustering	26		OK
210	VK_32	An Analytical Review on Various Approaches of Automated Detection of PCB Defects	17		OK
211	VK_33	Tools and techniques inn Data Science - A bible	45		Rejected in first screening
212	VK_34	Integration of CQCC and MFCC based Features for Replay Attack Detection	28		OK
213	SM-01	Conceptual Review on Demand Side Management, Optimization Techniques for Improvement of Power Quality in Smart Grids	30%		OK
214	SM-02	New analytic framework of public mental health prediction using data science	15%		OK
215	SM-03	lot based automatic fuel dispensing system in petrol station	24%		OK
216	SM-04	Automatic Recognition of Vehicle Number for Reducing Traffic Rules Violation using Machine Learning	19%		OK
217	SM-05	Retinal Image Based System to Detect the Drug Abuse	13%		OK

218	SM-06	Design Of Electric Vehicles Charging Station with multiport System	31%		Rejected in first screening
219	SM-07	Machine Learning-Based Intrusion Detection System for Healthcare Data	31%		Rejected in first screening
220	SM-08	Bit coin and Crypto currency Technologies : A Review	24%		OK
221	SM-09	Structured Ranking method-based feature selection in data mining	21%		OK
222	SM-10	An Intelligent Framework for Alzheimer's disease Classification Using efficient net Transfer Learning Model	23%		OK
223	SM-11	Water Quality Monitoring by using IOT	29%		OK
224	SM-12	DFIG based WT Harmonic Analysis subjected to Diverse Transmission fault	25%		OK
225	SM-13	Optimal resource utilization in precision agriculture	31%		Rejected in first screening
226	SM-14	Redundancy computing based mutual information for feature selection	26%		OK
227	SM-15	Handwritten digit recognition performance evaluation using DNN, CNN	16%		OK
228	SM-16	Honey-Bee based Load balanced Packet scheduling MAC protocol for iot- enabled healthcare system	24%		OK
229	SM-17	Detection of Security Attacks on Edge Computing of iot Devices through NS2 Simulation	24%		OK
230	SM-18	3D-CNN empowered assistive Machine Learning model for the hearing impaired	7%		OK
231	SM-19	Analogizing the brainwaves for viable bima bot through brain machine interface	12%		OK
232	SM-20	Design of Six Element Antenna Array for iot Application	30%		OK
233	SM-21	Digit Recognition and Separation of Overlapped Digits using Deep capsnet	18%		OK
234	SM-22	A Churn Prediction of Clinical Decision Support recommendersystem	31%		Rejected in first screening
235	SM-23	Hybrid Software Reliability Prediction Model Using Feature Selection and Support Vector Classifier	32%		Rejected in first screening
236	SM-24	An empirical study on gans usage in	8%		

		building the fake news detection model			OK
237	SM-25	Safety Hazards from Climate Changes Incidence by using Artificial Intelligence (AI) and Machine Learning (ML)	37%		Rejected in first screening
238	SM-26	An Empirical Study on Disease Prediction Using Integrated Big Data and Machine Learning Techniques	7%		OK
239	ST_01	ARIMA - GRU Hybrid Model for Stock Exchange Forecast	35%		Rejected in first screening
240	ST_02	DYNAMIC COMPARATOR DESIGN FOR HIGH SPEED adcs	43%		Rejected in first screening
241	ST_03	Low power shift register using pulsed latches	45%		Rejected in first screening
242	ST_04	Design and Simulation of Circular Coplanar Textile Antenna with C – Slot	20%		OK
243	ST_05	An Approach for Bitcoin Price Prediction Using Machine Learning	19%		OK
244	ST_06	Crop yield prediction using machine learning random forest algorithm	24		OK

Annexure-III

Grant of Rs-50,000/- has been received from CSIR (Council of Scientific and Industrial Research) for ESCI-22.

	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH Human Resource Development Group CSIR Complex, Library Avenue, Pusa, New Delhi 110 012 Tel : 011 2584 1037 Email: symposia.travel@gmail.com, web http://csirhrdg.res.in
Dhirendra Bansal Principal Scientist	Ref No. SYM/10756/21-HRD March 14, 2022
Dr Suresh Limkar HOD, Dept. of Artificial Intelligence and Data Science AISSMSs Institute of Information Technology Pune In Association with Signal Processing Chapter IEEE Pune Sec., Kennedy Road Near RTO Pune 411 001, Maharashtra	
SUBJECT: IEEE 4th International Conference on Emerging Smart Computing & Informatics ESCI 2022 during Mar 09-11, 2022 at AISSMSs Institute of Information Technology, Pune in association with Signal Processing Chapter, Pune	
Dear Dr Limkar With reference to your application on the above subject, we are happy to inform you that Director General, CSIR has been pleased to sanction a grant of Rs.50000/- (Rupees Fifty Thousand Only) subject to the following conditions:	
<ol style="list-style-type: none"> 1. The grant received from CSIR should be duly acknowledged by email along with a certificate that the grant would be specifically utilized for the purpose for which it has been sanctioned. 2. The grant may be reimbursed within four months from the date of Conference/Seminar/Workshop etc. is over by filling-in the Grant-in-Aid Bill Form in duplicate duly signed and rubber stamped by the concerned officials, indicating clearly the designation of the official along with Audited Statement of Expenditure for release of grant. Current Proforma for Grant-in-aid bill, Audited Statement of Expenditure and NEFT are available on our website http://csirhrdg.res.in/Home/Index/1/InPage/53/14. If any Utilization Certificates of Previous Grant for symposia (as per Col.No. 15 of the Application Performa) is not submitted till date, please attach copies of Utilization Certificates also. Any claim received beyond 4 months will be entertained only in exceptional cases subject to submission of reasons for delay, duly forwarded through Head of the Organization. In no case, the claim will be entertained after 6 months. All the pages of above documents should be self attested by the organizer. 3. Invitation cards should be sent to the Director General, CSIR and Head, HRDG. CSIR may nominate three scientists for the above event and registration fee should not be charged from them. In case of nomination, the Head, HRDG or the undersigned would issue a letter with a copy to the nominee(s). 4. Softcopy (preferably in Pen Drive/CD/ DVD in PDF format) of the full paper proceedings of above event should be sent to the undersigned. 5. An overall activity report by the Convener / Organizing Secretary should be made available to us with regard to outcome of the gathering, the recommendations and plan of action for future. The names, addresses & email IDs of the participants / delegates should also be sent immediately after the event. 	
Yours sincerely,  (Dhirendra Bansal)	
Copy to: Audit (EMR) HRDG	

Team ESCI-22

“Coming together is a beginning, staying together is progress, and working together is success.” – Henry Ford.

