Sanction Order:

Ref: KEC/ECE/ICCCNT-2021/01   Date: 21.06.2021

Submitted to the Principal for Approval

IEEE International Conference on Computing Communication and Networking Technologies (ICCCNT)is being organized every year collaboratively by University of South Alabama, USA, Kongu Engineering College, and one premier Institution such as IITs or IISC (ICCCNT-2020 at IIT-Kharagpur, ICCCNT-2019 at IIT- Kanpur, ICCCNT-2018 at IISC Bangalore and ICCCNT-2017 at IIT-Delhi), In this line ICCCNT-2021 has been planned to be conducted at IIT-Kharagpur from 06.07.2021 to 08.07.2021. However, Because of pandemic situation, the ICCCNT-2021 has been converted as on-line conference. All the papers will be presented through any one online mode to Session Chairs and other participants.

In this regard, it is requested that permission may kindly be granted to use our smart class room and seminar hall of ECE department to organize the online presentation sessions for three days from 06.07.2021 to 08.07.2021 and also to permit eleven senior faculty members of KEC to act as Chair Persons for online paper presentation sessions. To utilize this facility, the organizing team of ICCCNT is willing to pay an amount of Rs.10,000 per day (Total Rs. 30,000 for three days) to KEC and honorarium to the Chair Persons.

Good.

23.6.4

Coordinators-ICCCNT
1).Dr.S.Maheswaran
2).Mr.R.P.Karthik

Organizing Chair-ICCCNT
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HoD/ECE

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12th ICCCNT 2021: 12th International Conference on Computing Communication and Networking Technologies

IIT Khargpur, West Bengal, India

Khargpur, India, July 6-8, 2021

Conference website	https://www.12icccnt.com/
Submission link	https://easychair.org/conferences/?conf=12thicccnt2021
Submission deadline	May 31, 2021

Topics: computing communication networking wireless | image processing ai neural networks | big data vlsi | data science robotics cyber security

The 12th International Conference on Computing, Communication, and Networking Technologies (12th ICCCNT 2021) aim to provide a forum that brings together International researchers from academia and practitioners in the industry to meet and exchange ideas and recent research work on all aspects of Information and Communication Technologies. Following the great success of 12th ICCCNT 2021. The 12th edition of the event, ICCCNT'21, will be held in IIT, Kharagpur on July 6-8,2021. The conference will consist of keynote speeches, technical sessions, and exhibitions. The technical sessions will present original and fundamental research advances, and the workshops will focus on hot topics in Computing, Communication, and Networking Technologies.

All papers must be original and not simultaneously submitted to another journal or conference. The following paper categories are welcome:

ICCCNT 2021 requires that each accepted paper be presented by one of the authors in-person at the conference site

List of participants:

Serial No.	Paper ID	Title of the Paper	Author Details
1	4	Real -Time thought controlled action for paralytic patient using Electroencephalogram	Anuradha Radhakrishnan, Rathi Gopalakrishnan, Grace Selvarani Appadurai, Gokul N and Dhakshata M S
2	7	IOT BASED DATA AGGREGATION METHOD FOR E-HEALTH MONITORING SYSTEM	Tanima Bhowmik, Rohan Mojumder, Indrajit Banerjee and Gaurav Das Das
3	8	s-Domain Stability Analysis of Improved Floating Interleaved Boost Converter	Melisa Miranda, Sharadhi G R and Giridhar Prabhu
4	15	A Study to Investigate High Efficiency CZTS based solar cells with SCAPS-1D	Nasim Mia
5	17	Single-input Fuzzy PI Controller for Traction Line-Side Converter of High Speed Railway	Ranjan K Pradhan and Chinmaya Sahu
6	20	A Hypothetical Design Of Small Hydro Power Plant Using Sewage Water In The Perspective Of Dhaka City	Nasim Mia
7	21	AUTOMATE ALLOCATION OF SECURE SLICE IN FUTURE MOBILE NETWORKS USING ML	Muddu Krishnama Naidu Immadisetti
8	23	Multilayer Patch Antenna for IRNSS, GPS, and 4G Applications	Akash Modi, Vanshul Sharma and Abhishek Rawat
9	25	Performance Comparison of Different Equalization Techniques for 4×4, 3×3, 2×2, 2×3, and 2×4 MIMO wireless communication systems	Md Hasan Mahmud, Laila Arzuman Ara, Abid Anjum Khan, Shanjid Ahmed, Mirza Abir Mahmud and Obayedur Rahman
10	31	Implementation of Lower and Upper Approximation features of rough set theory on FPGA	Shubham Tonde and Vanita Agarwal
11	32	House Price Prediction Using Machine Learning Algorithms	Rahul R, Pradeep Kumar G and Ravindharan N
12	35	AI based hybrid CNN-LSTM model for crop disease prediction: An ML advent for rice crop	Sonal Jain and Dharavath Ramesh
13	37	A Literature Review On Brain Tumor Detection And Segmentation	Aditya Miglani, Hrithik Madan, Saurabh Kumar and Sanjay Kumar
14	49	A STATISTICAL CLASSIFICATION OF THE BENIGN AND MALIGNANT NEOPLASM USING ENSEMBLE LEARNING AND CLASSIFICATION ALGORITHMS	Tirth Vyas
15	51	Different Communication Technologies and Challenges for implementing Under Water Sensor Network	Sonam Mittal
16	53	Named Data Networking: A Viable Internet Architecture	Manas Trivedi, Paranjaya Saxena and B R Chandavarkar
17	55	A Comparative Study between Service Mesh and standalone Kubernetes	Ameya Deshpande, Shuddhatm Choudhary and B R Chandavarkar
18	56	Comparing CNNs and GANs for Image Completion	Rohith Saji, Sai Krishna Anand and B R Chandavarkar

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20	58	Energy Hole in Underwater Networks - Issues, Challenges, and Solutions : A Survey	Dhanwin Rao, Varun Raghavendra and B R Chandravarkar
21	59	From Language Translation to Chatbots and Virtual Assistants: The Rise of Attention Based Transformer Models	Aditya Chandrashekhar Sohoni, Arnav Santosh Nair and B R Chandavarkar
22	66	Face-Recognition Based Attendance System using One-Shot Learning	Shreeja Nanda, Maitraiyi Dandekar, Anmol Devnani, Riteshsingh Kadakoti and Priya R L
23	70	Real-Time Herb Leaves Localization and Classification Using YOLO	Md Jueal Mia, Md Hasan Imam Bijoy, Md Shoreef Uddin and Dewan Mamun Raza
24	71	Comparing consensus algorithms for distributed ledgers	Kinshuk Kashyap, Mohit Ajit Patil and B R Chandavarkar
25	76	Leveraging Mixed Reality to Solve Real-Life Usecases	Dhiraj Lokesh, Ashish Reddy and B R Chandavarkar
26	78	Effective Smart Farming Technique in A Controlled Environment with Solar Energy	Roksana Akter and Abu Shufian
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33	96	Investment Management and Trading Simulator App	Sahil Khera, Priya Katiyar and Rishabh Kamal
34	100	Detecting Phishing of Short Uniform Resource Locators using classification techniques	Kerin Pithawala, Sakshi Jagtap and Preksha Cholachgud
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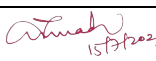| 101	132	A FRAUD DETECTION SYSTEM USING MACHINE LEARNING	Tania Rajabally, Anisha Gharat, Pulin Prabhu and Dhananjay Kalbande
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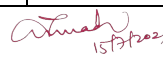ORGANIZER / 12th ICCCNT

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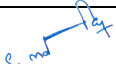| 159	231	A Survey: Feature Extraction Techniques and Machine Learning Models for Depression Analysis	Yashada Nikam, Anjali Nair, Atharv Nikam, Aditya Mhaske and Shamla Mantri
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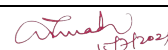| 178	309	Performance Evaluation and Comparison of Ensemble Based Bagging and Boosting Machine Learning Methods for Automated Early Prediction of Myocardial Infarction	Md Azizul Hakim, Nusrat Jahan, Zannat Ara Zerin and Amena Begum Farha
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340	415	An Optimal Algorithm to Maximize Vaccine Production in a Distributed Environment	Sappa Saran, Mullapudi T Vignesh, Gurijala V S Sundar, Sandeep Naidu and Swaminathan J
341	427	Resource Allocation in Cloud Using Enhanced Max-Min Algorithm	Mala K, Priyadharshini S and Madhumathi R
342	434	In-situ detection of Anomalies in the Acoustic Signal using Neural Network Approach	Joshwin Darington M and Dr V Sathiesh Kumar
343	440	MACHINE LEARNING APPROACHES FOR PREDICTING THROUGHPUT OF VERY HIGH AND EXTREME HIGH THROUGHPUT WLANS IN DENSE DEPLOYMENTS	Rajasekar Mohan, K Venkat Ramnan and J Manikandan
344	552	How to tackle Climate Change using Artificial Intelligence	Rishikesh Bamdale, Saurabh Shelar and Varsha Khandekar
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346	457	Music Recommendation System Based on Emotion	Pranesh Ulleri, Shilpa Hari Prakash, Kiran B Zenith, Gouri S Nair and Jinesh M Kannimoola
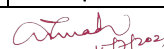
347	458	Book Recommendation System	Devika Pv, Jyothisree K, Rahul Pv, S Arjun and Jayasree Narayanan
348	461	A HYBRID TRUST MODEL FOR CLOUD SERVICE PROVIDER SELECTION WITH NLP SUPPORT AND MALICIOUS FEEDBACK FILTERING	Poluparthi Bhanu Prakash, Ghantasala Mani Kishan, Vankayala Bala Sai Praneeth, Atluri Manikanta Rishivardhan and Sarath Greeshma
349	498	Automated Paper Evaluation System for Subjective Handwritten Answers	Sarika Singh, Yash Shah, Yug Vajani and Surekha Dholay
350	503	An Advanced Intelligence System in Customer Online Shopping Behavior and Satisfaction Analysis	Nazmun Nessa Moon, Iftakhar Mohammad Talha, Imrus Salehin, Mohammad Monirul Islam and Refath Ara Hossain
351	553	Comparitive study of GRU and LSTM cells based Video Captioning Models	Harsh Maru, Chandana Tulasi Sai Siri and Dinesh NaiK
352	597	Probabilistic Density-based Adaptive Clustering for Streaming Data	Anandakrishnan Unnithan, Surya Kiran P, Vignesh L, Viswanath V and Simi Surendran
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359	609	Cosmetic Skin Type Classification Using CNN With Product Recommendation	Arya Kothari, Dipam Shah, Taksh Soni and Sudhir Dhage
360	616	Weakly Supervised Image Annotation and Segmentation	Dinesh Naik and Jaidhar C D
361	617	Advancement of Quantum Methods in Principal Component Analysis	Barkha Soni and Nilay Khare
362	618	A System for Conversion of Hand-drawn Electrical circuit to Digital circuit: A Deep learning approach	Indrajbir Singh, Vaibhav Singhal, Dixant Singhal, Harimurugan Devarajan, Ravi Verma and Sofana Reka
363	619	Mitigation of electromagnetic interference in high speed circuits	Kritesh Raikar, Vedant Sapte, Omkar Patil and Manisha Bansode
364	620	Loss Optimised Video Captioning using Deep-LSTM, Attention Mechanism and Weighted Loss Metrices	Naveen Yadav and Dinesh Nai K.

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366	622	DESIGN AND ANALYSIS OF A DUAL SPILT-RING BASED METAMATERIAL ABSORBER	Keshav Bhati and Priyanka Jain
367	623	Evaluation and Transformation Analysis of the Mithi River	Saumya Deshmukh, Shrishti Karkera, Prachi Rawale and Chhaya Narvekar
368	626	Machine Learning Approach to Recognise andClassify Double Handed Indian Sign Language	Smriti Pillai, Adithya Anand, M Sai Jishnu, Siddarth Ganesh and Thara S A
369	627	Feature Genuinization based Residual Squeeze-and-Excitation for Audio Anti-Spoofing in Sound AI	Ruchira Ray, Sanka Karthik, Vinayak Mathur, Prashant Kumar, Maragatham G, Sourabh Tiwari and Rashmi T Shankarappa
370	628	Emotion Based Music Recommendation System Using LSTM - CNN Architecture	Saurav Joshi, Tanuj Jain and Nidhi Nair
371	629	Consensus Agreement for Secure Transactions in Self Help Groups	Adithya Narayan K A, Aswin Rakesh, Alok V, Ananthu M P, Sruthy Anand and Maneesha Vinodini Ramesh
372	631	Analysis of Predictive Framework for Customer Churn using Dynamic Features	Dinesh Kumar Jena and Abhyarthana Bisoyi
373	632	Study of Overfitting through Activation Functions as a Hyper-parameter for Image Clothing Classification using Neural Network	Aritra Ray and Hena Ray
374	634	Comparison of three classifiers used in the detection of benign tumor and malignant melanoma skin diseaseS	Rajesh Kumar Sahoo and Abhyarthana Bisoyi
375	636	Classification of Diabetic Retinopathy from OCT Images using Deep Convolutional Neural Network with BiLSTM and SVM	Md Ferdous Wahid and A B M Aowlad Hossain
376	638	PREDICTION OF DIABETICS USING CHEMICAL REACTION OPTIMIZATION	Saikat Majumder, Ahmed Irfan Sayed, Jannatul Ferdousi Jerin and Md Inzamam-Ul-Hossain
377	640	E -Shaped patch antenna using wimax application for achieving a better result	Arpita Vishwakarma
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379	642	TARGET ESTIMATION PERFORMANCE IMPROVEMENT IN COOPERATIVE RADAR AND COMMUNICATION SYSTEM SPECTRUM SHARING	Srinath Gunnery, Pardhasaradhi Bethi, Prashantha Kumar H and Srihari Pathipati
380	644	ACCIDENT FACE RECOGNITION SYSTEM USING HAAR CASCADE AND LOCAL BINARY PATTERN HISTOGRAM ALGORITHM	Dharavath Sai Shanmukh, Rampogu Swaroop Raj, Vollu Yogasri Venkata Sai and Tammalla Rahul
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382	646	OPTIMIZING RECURRENT NEURAL NETWORK USING NEUROMODULATION	Akshata Hiremath, Inzamam Sayyed, Kshitij Ijari, Manjunath Bhat, Anchal Jain, Anand S Meti, Sunil V Gurlahosur and Shashidhara B Vyakaranal
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384	654	RFID BASED SECURE MULTIPURPOSE SMART CARD USING ARDUINO MODULE	Vivek Raj K and Navya N
385	656	Life Expectancy Prediction Based on GDP and Population Size of Bangladesh using Multiple Linear Regression and ANN Model	Maksuda Akter Rubi, Md Hasan Imam Bijoy and Abu Kowshir Bitto
386	422	A deep learning framework for the classification of lung diseases using chest X-ray images	Vyshnavi M, Bejoy Abraham and Sivakumar Ramachandran
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388	532	A Novel Intellectual Hybrid Optimization Technique of IoT Assisted Energy Management Scheme for Smart Agriculture	B Doraswamy, K Lokesh Krishna and MN Giri Prasad
389	657	Optimal decision making for Deep learning based prediction with combinatorial optimization	Thaharim Khan, Faisal Arafat, Aditya Rajbongshi, Dr Sheak Rashed Haider Noori and Zahid Hasan
390	659	Development of Smart Height Measuring Scale	Mohammad Monirujjaman Khan, Md Talat Mahmud and Faria Soroni
391	660	A Novel Reversible Data Hiding Scheme in Encrypted Images using Arnold Transform	Shaiju Panchikkil and Manikandan V M
392	670	Low Cost and Modular Approach to Real-Time Vehicle to Vehicle Communication using Wi-Fi	Sanjay M Santhosh, Hari Sankar S, Balagopal G, Jayakrishnan A U, Shehan P Rajendran and Sreelatha Ganapathy
393	687	An Efficient Bio-inspired Algorithms for Selection of Dynamic Route to Avoid Traffic Flow in VANET	Monika Patil and Ranjit Sadakale
394	554	Students' Adaptability Level Prediction in Online Education using Machine Learning Approaches	Md Mahmudul Hasan Suzan, Nishat Ahmed Samrin, Al Amin Biswas and Md Aktaruzzaman Pramani K
395	556	Movie Recommender System with Visualized Embeddings	Sreenivas Jayanth Yadhati, Vikyath S, Vishnu Priya Maddela, Vishvesh Pathak and Prathibhamol C P
396	557	Sentiment Analysis of Bengali Text using CountVectorizer with Logistic Regression	Nasif Alvi and Kamrul Hasan Talukder
397	558	Social Networking Sites Data Analysis using NLP and ML to Predict Depression	Md Arafat Rahman Talukder, Md Tazmim Hossain and Nusrat Jahan
398	559	R0fuzz: A Collaborative Fuzzer for ICS Protocols	Ashwathi Sasi, Hariprasad K V, Season Cherian, Ayushi Sharma, Jayasree Narayanan and Vipin Pavithran

399	564	Hybrid Word Embeddings for Classification of Nepalese News	Dinesh Vishwakarma and Surabhi Adhikari
400	571	Research and Development of Virtual Reality Application for Teaching Medical Students	Mohammad Monirujjaman Khan
401	580	Artificial Intelligence based Fake News Classification System	Neel Save, Omkar Thopate, Vaibhav Waghe, Manisha Bansode and Najib Ghatte
402	581	Automatic Detection of Bikers with No Helmet and Number Plate Detection	Sushant Kadam, Rushikesh Hirve, Nikhil Kawle and Payal Shah
403	583	Ensemble Based Predictive Model for Streaming Data	Duvvuri Abhinav, Chava Saran Sai, Malisetty Dheeraj and Surendran Simi
404	584	Botnet Detection using Machine Learning	Aswathi K B, Jayadev S, Nandana Krishna, Remya Krishnan and Greeshma Sarath
405	591	Detecting Bots to Distinguish Hate Speech on Social Media	Radhika Bailurkar and Nataasha Raul
406	593	Making Sense : Common Sense Validation and Explanation	Manav Gakhar, Nidhi Chahal and Apeksha Aggarwal
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408	611	Learning from YouTube Videos using Drona Extension	Anirudh Chidambaranathan, Hariharan Krishnamoorthy, Chandu Chimakurthi N Sai Pavanmanikanta, Sanket Khandelwal and Sandhya Harikumar
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410	613	Analysing Search Engine Trends with Respect to COVID-19 in India	Rutvik Dumre and Muskaan Beriwal
411	614	FAKE NEWS PREDICTION ON COVID DATASET USING MACHINE LEARNING	C Rajalakshmi, T Subika and K Vaishali
412	643	Twitter Sentiment Analysis on COVID-19	Rutvik Dumre, Aashka Dave and Shubham Mishra
413	649	Technical analysis indicators in stock market using machine learning: A comparative analysis	Yash Pardeshi and Preeti Kale
414	655	'BACHAO' A One Click Personal Safety Device	Mohammad Monirujjaman Khan, Md Talat Mahmud and Faria Soroni
415	690	Diabetes Prediction in Healthcare at Early Stage Using Machine Learning Approach	MdMehedi Hassan, Zahrul Jannat Peya, Swarnali Mollick, Md Al-Mamun Billah, Md Mehadi Hasan Shakil and Asaf Ud Dulla
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422	708	A Two-Level Hybrid Image Fusion Technique for Color Image Contrast Enhancement	Vinit Kumar, Shahid Aziz and Syed Shahnawazuddin
423	711	Multi-label classification of Retinal Disorders in Optical Coherence Tomography using Deep Learning	Abhinav Sharma, Akshay Khanna and Muskaan Bhargava
424	712	Electrical Load Forecasting using Machine Learning	Shripad Desai, Tanmay Dalal, Sahil Kadam and Sudhanshu Mishra
425	715	Linear Fusion of Multi-Scale Transmissions for Image Dehazing	Subhash Chand Agrawal and Anand Singh Jalal
426	716	Analysis and Determination of Magnitude of Earthquake Using STA-LTA Algorithm	U S Giridhar, Nikhil Prajapati and Reena Sonkusare
427	717	Cattle External Disease Classification using Deep Learning Techniques	Md Rony, Dola Barai, Riad Riad and Md Zahid Hasan
428	718	SIW CAVITY-BACKED PENTAGONAL SLOT ANTENNA FOR X-BAND APPLICATIONS	Aparna Ajith R, K S Ajith Bhaskar, Harihara Prasaad P and Mekaladevi V
429	725	Design and Anlysis of A Multiple Input and Multiple Output Antenna for Unmanned Aerial Vehicle	Puza Mazumder and Mohammad Monirujjaman Khan
430	726	Predicting Covid-19 using Random Forest Machine Learning Algorithm	Anupam Yadav
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433	729	COVID-19 Detection using Deep Learning	Venuturupalli Surya Narasimha Mehar, Pulikollu Subrahmanya Bhanu Teja, Peneti Karthik, Jonnalagadda Rupesh, Bondila Sasi Kumar, Poorna Surendran and Anuraj K
434	735	IoT Based Water Management System for Crops Using Conventional Machine Learning Techniques	Poorna Surendran, Anuraj K, Tiramareddy Manasa Swetha, Tekkali Yogitha, Manche Kuruba Sai Hitha and Puppala Syamanthika
435	736	A Comparative Study of Drowsiness Detection from EEG signals Using Pretrained CNN Models	Poorna Surendran, Anuraj K, Bharath Chandra B V, Sampath Kumar M M, Bhargav M S S and Naveen Ch
436	738	An Efficient Computer Vision Approach for Rapid Recognition of Poisonous Plants by Classifying Leaf Images using Transfer Learning	Rashidul Hasan Hridoy, Fatema Akter and Maisha Afroz
437	740	A Transfer Learning Based Approach for Detecting COVID-19 with Radiography Images	Gummadi Saidheeraj and Anirban Ghosh
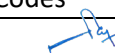
438	741	Plant Leaves Diseases Recognition using Convolutional Neural Network and five other Hybrid Models	Amit Kumar Goel and Vandana It
439	742	Highway Drivers Drowsiness Detection System Model with R-Pi and CNN technique	Vandana Mansur and Shambavi K
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442	748	A Quantitative Study of Image Fusion Using Hybrid Approach	Budhi Veera Bharath Chandra, Mahapatra Medha Sampath Kumar, Chigurupati Naveen, Madhavarapu Srinivasa Sai Bhargav, Jagan R and Poornima Mohan
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445	763	Symptoms Analysis Based Chronic Obstructive Pulmonary Disease Prediction In Bangladesh Using Machine Learning Approach	Mridul Das Joshe, Nazmul Hassan Emon, Mirajul Islam, Nushrat Jahan Ria, Abu Kaisar Mohammad Masum and Sheak Rashed Haider Noori
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454	779	Analysis of Image Classification using SVM	Sai Surya Teja Gontumukkala, Yogeshwara Sai Varun Godavarthi, Bhanu Rama Ravi Teja Gonugunta, Subramani R and Murali K
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456	788	Novel Statistical Analysis Approach for Remaining Useful Life Prediction of Lithium Ion Battery	Yash Jain, Atharva Veer, Gaurav Sawant, Yash Jain and Sandeep Udmale
457	658	Optimizing Neural Network Parameters For Effective Classification of Benign and Malicious Websites	Balamurugan P, Amudha T, Satheeshkumar J and Sornam M
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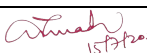
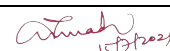| 471	710	Greenness Visualization in Al-Ain using Landsat Imagery	Sarath Raj Nadarajan Assari Syamala, Nour Alaa Elsonbaty and Roshan Bhatkar
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476	722	Sickle cell anemia detection using convolutional neural network	Richa Tengshe, Aishwarya U N, Akarsh Raj, Akshaya K, Apeksha A Pattanshetty and Binish Fatimah
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481	793	Bluetooth Based Vehicle to Vehicle Communication to Avoid Crash Collisions and Accidents	Rishitha Haridasu, Nafisa Nikhath Shaik and Sunil Chinnadurai
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493	437	A Novel Smart Hospital for Isolation of COVID-19 Patients Using IoT	Ankur Utsav, Amit Abhishek, Ratna Priya and Ashiya Zabeen
494	445	Mitigating unsecured data forwarding related attack of underwater sensor network	Ashish Hariyale, Aakriti Thawre and BR Chandavarkar
495	454	Machine Learning based IoT framework for Early Detection of Covid-19 like Pandemics	Sreehari A S, Vinay G Nandakumar, Vinay Sankar R, Amith Venugopal and Dhivvya J P
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497	471	Wavelet Transform Based Compression of Raw SAR Data	Akanksha Kenge, Meena Panse, Suyog Choudhari, Hitendra Pethkar and Raymond Pinto
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503	500	Secure E-Voting System using Blockchain technology and authentication via Face recognition and Mobile OTP	Trunesh Loke, Sagar Gada, Abhishek Parmar, Yash Jain, Sujata Pathak and Sonali Patil
504	508	Smart Traffic Management System Using Multithreading and Inter-process Communication	Sai Srivatsa Gorti, Aadil Khalifa, Harini Thirunavukkarasan, Gayathri Nisha and Anand Kumar M

505	519	A hybrid machine learning algorithm for optimal task scheduling in cloud computing	Kartik Soni, Amisha Gupta and Sunita Singhal
506	521	Design and Development of Pipelined Computational Unit for High-Speed Processors	Kuchi Yashwanth, Adithya N, Sivaraman R, Siva Janakiraman and Amirtharajan Rengarajan
507	523	Water Body Identification from the Satellite Images using Color Component Analysis with Morphological Operations	Jagruth K, Manikandan V M and Ravi Kant Kumar
508	801	Exploring Residual Networks for Breast Cancer Detection from Ultrasound Images	Arijit Das and Srinibas Rana
509	802	Bottleneck HRV Features for Screening Sleep Apnea Disorder	C Santhosh Kumar, Balakavinya C and Mrudula G B
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511	807	Novel Sliding Surface Control with Disturbance Observer for Antilock Braking System	Dattatraya Yadav, Amruta Deshpande and Vijayraj Wanaskar
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513	811	Occupancy Detection Using Optimization Based SVNN Classifier	Kavita Pankaj Shirsat and Dr Girish Bhole
514	812	A Comparative Study of LGBM-SVR Hybrid Machine Learning Model for Rainfall Prediction	Merin Maliyeckel, Dr Naveen J and B Chaithanya Sai
515	816	The Performance Parameter Analysis and Calibration Methodology for the Industrial Robot	Ravindra Shinde
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518	820	A Decoupled Dual Element Reconfigurable MIMO Antenna with Improved Isolation for Wireless Applications	Nirmala M, Venusree D, Aakash B, Meghana B and Manidhar P
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520	746	Software Fault-Prone Module Classification Using Learning Automata based Deep Neural Network Model	Mohammad Mushtaq Ahmed, Bura Santhi Kiran, Pododdi Harshavardhan Sai and Manjubala Bisi
521	753	Hybrid Approach for Fake Profile Identification on Social Media	Shruti Shinde and Sunil Mane
522	759	Design of an IoT based Surveillance System using Blynk, IFTTT, and Telegram	Bhargavi Siddineni, Rayapati Nanditha, Tammina Jayanth Satyanarayana and Venkata Sai Rama Krishna Sighakolli
523	760	An Empirical Study of Machine Learning-based Bangla News Classification Methods	Shagoto Rahman, Sabia Khatun Mithila, Aysha Akther and Kazi Masudul Alam
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530	792	Learning Automata based Feature Selection for Duplex Output Software Effort Estimation Model	Kapil Ravi Rathod, Shruti Bansal, Yash Harish Chandra Kandpal and Manjubala Bisi
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534	822	Optimal Pneumonia detection using Convolutional Neural Networks from X-ray Images	Amrita Tripathi, Tripty Singh and Rekha R Nair
535	823	Visualization of COVID Bimodal scan using DNN	Amrita Tripathi, Abhinandan Basavapattana, Rekha R Nair and Tripty Singh
536	826	Machine Learning Techniques for Predicting Type 2 Diabetes Mellitus Risk using Heart Rate Variability Features	Shashikant Rathod, Dr Leena Phadke, Uttam Chaskar and Chetankumar Patil
537	827	Classification of Book Review Sentiment in Bangla Language Using NLP, Machine Learning and LSTM	Md Hamidur Rahman, Md Saiful Islam, Md Mine Uddin Jowel, Md Mehedi Hasan and Ms Subhenur Latif
538	830	A Deep Learning Approach for Prediction of Stock Price Based on Neural Network Models: LSTM and GRU	Vijayakumar Polepally, Shiva Nandini Reddy N, Sindhuja M, Anjali N and Jeevan Reddy K
539	832	Automated Foot and Mouth Disease Classification Using Transfer Learning-Based Deep Convolutional Neural Network	Md Rony, Dola Barai, Riad Riad and Md Zahid Hasan
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542	836	Autism Spectrum Disorder Detection Using Machine Learning Approach	Nabila Zaman, Jannatul Ferdus and Abdus Sattar
543	837	A new structure of highly nonlinear and highly negative dispersion compensating defected core octagonal photonic crystal fiber	Bijoy Bhowmik, Joy Bhowmik, Mir Mohiuddin Md Abdullah and Shovasis Kumar Biswas
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545	839	Euclidian norm based fusion strategy for multi focus images	Shihabudeen H and Rajeesh J
546	840	SolarWinds Hack: In-Depth Analysis and Countermeasures	Rahaf Alkhadra, Jood Abuzaid, Mariam Alshammari and Nazeeruddin Mohammad
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548	844	To laugh or not to laugh – LSTM based humor detection approach	Krupa Patel, Manasi Mathkar, Sarjak Maniar, Avi Mehta and Prof Shachi Natu

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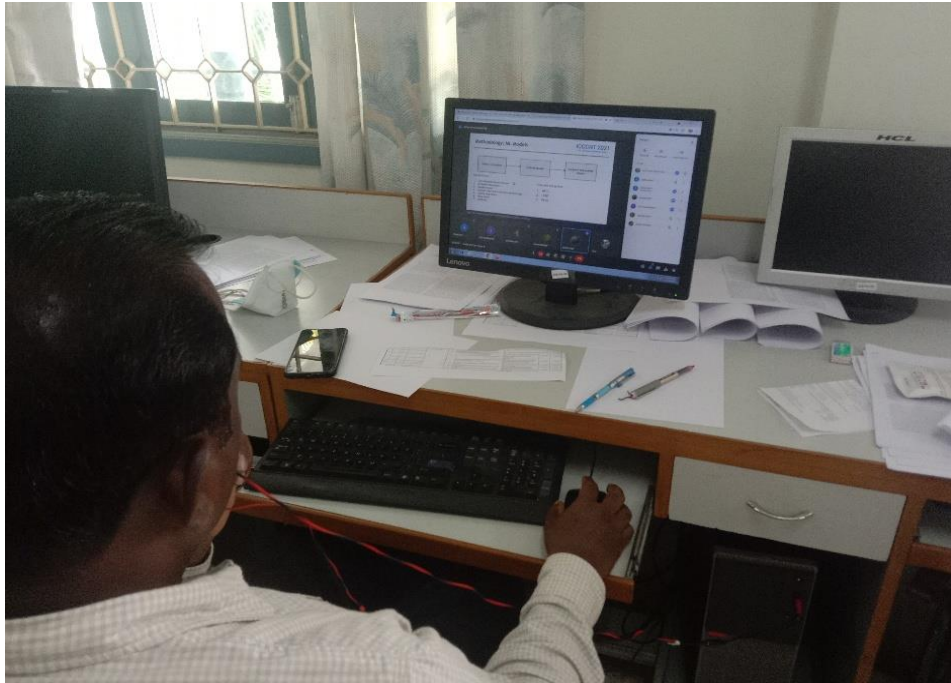
Online presentation at Freescale lab, Kongu Engineering College

Online presentation at ASIC lab, Kongu Engineering College

Model Certificate:

THE TWELFTH INTERNATIONAL CONFERENCE ON COMPUTING, COMMUNICATION AND NETWORKING TECHNOLOGIES

July 6 - 8, 2021, Indian Institute of Technology - Kharagpur, Kharagpur, West Bengal, India.

Certificate OF Appreciation

This is to commend

Maheswaran S

for his excellent contribution as Session Chair for
INTERNATIONAL CONFERENCE ON COMPUTING.
COMMUNICATION AND NETWORKING TECHNOLOGIES 2021,
July 6 - 8, 2021, held at IIT Kharagpur, India.

Conference Chair / Co-Chair

Reports:

THE 12th INTERNATIONAL CONFERENCE ON COMPUTING, COMMUNICATION AND NETWORKING TECHNOLOGIES (ICCCNT)

Date: 06.07.2021 to 08.07.2021– 3 days

IEEE International Conference on Computing Communication and Networking Technologies (ICCCNT) was organized collaboratively by University of South Alabama, USA, Kongu Engineering College, and IIT-Kharagpur, India virtually between 06.07.2021 to 08.07.2021. In this conference totally 722 paper received and 548 were presented and total of 529 papers are indexed in IEEE Xplorer with *doi (10.1109/ICCCNT51525.2021)* and indexed in scopus. This conference received papers from countries Australia, Bangladesh, Bulgaria, China, Denmark, France, Germany, India, Iran, Iraq, Italy, Malaysia, Mauritania, Morocco and etc.,.

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Papers Published in IEEE Explore – 12th ICCCNT Conference

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Sanction Order

DEPARTMENT OF ECE

18/10/2022
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Submitted to the Principal for Approval

IEEE International Conference on Computing Communication and Networking Technologies (ICCCNT) is being organized every year collaboratively by University of South Alabama, USA, Kongu Engineering College, and one premier Institution such as IITs or IISC (ICCCNT-2021 at IIT-Kharagpur, ICCCNT-2020 at IIT-Kharagpur, ICCCNT-2019 at IIT- Kanpur, ICCCNT-2018 at IISC Bangalore and ICCCNT-2017 at IIT-Delhi), In this line ICCCNT-2022 has been planned virtually between 03.10.2022 and 05.10.202.
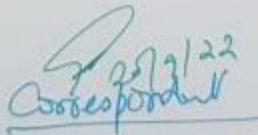
In this regard, it is requested that, permission may kindly be granted to use our smart classroom of ECE department to organize the online presentation sessions for two days (03.10.2022 to 04.10.2022) and to permit six senior faculty members of KEC to act as Chair Persons for online paper presentation sessions. To utilize this facility, the organizing team of ICCCNT is willing to pay an amount of Rs.10, 000 per day (Total Rs. 20,000 for two days) to KEC and honorarium to the Chair Persons.

Coordinators- ICCCNT   Organizing Chair-ICCCNT   HoD/ECE
1).Dr.S.Maheswaran   Dr.G.Murugesan
2).Mr.R.P.Karthik

No financial commitment for KEC.
May be allowed.

12.9.22

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13th ICCCNT 2022

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About

THE 13th INTERNATIONAL CONFERENCE ON COMPUTING, COMMUNICATION AND NETWORKING TECHNOLOGIES (ICCCNT) aims to provide a forum that brings together International researchers from academia and practitioners in the industry to meet and exchange ideas and recent research work on all aspects of Information and Communication Technologies.

October 3rd - 5th, 2022
Online IEEE Conference,
Will be held Virtually.

Presentation Support:

Please contact below members, if you have any issues related presentation and joining sessions on Google meet
Dr. Maheswaran s - 9842811344
Mr. Ravivarma G -8825577126

NEWS AND UPDATES

Valedictory Function Google meet link: https://meet.google.com/kbk-qxcn-wzn

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Program Schedule and Agenda

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THE 13th INTERNATIONAL CONFERENCE ON COMPUTING, COMMUNICATION AND NETWORKING TECHNOLOGIES (ICCCNT)
03.10.2022 To 05.10.2022
Valedictory Function
AGENDA

Date: 05.10.2022 **Time: 03:00 PM (IST)**
Gmeet : https://meet.google.com/kbk-qxcn-wzn

3.00 PM (IST)	Welcome Address	Dr. E. Karthikeyan Assistant Professor Department of ECE SRM University Andhra Pradesh
3.05 PM (IST)		Dr.Ye Yu Technical Committee - ICCCNT Hefei University of Technology Hefei, Anhui China
	Panel Discussion on **Women in Computing**	Dr. Tripty Singh Technical Committee - ICCCNT School of Computing Amrita Vishwa Vidyapeetham Bengaluru
3.20 PM (IST)	Felicitation Address	Dr. M. Madheswaran Principal Muthayammal Engineering College Tamil Nadu
3.25 AM (IST)	Felicitation Address	Dr. Kavin Kumar Kandasamy Director WiSkill, Coimbatore India
3.30 AM(IST)	Valediction Address	Dr.Tushar Sandhan Assistant Professor Department of Electrical Engineering IIT, Kanpur
3.35 AM (IST)	Vote of Thanks	Dr. Prakash Duraisamy Conference Co-Chair–ICCCNT University of SouthAlabama U.S.A

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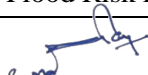HOD/ECE

List of Participants:

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2	4	A Framework for the prediction of Diabtetes Mellitus using Hyper-Parameter tuned XGBoost Classifier	Gayathri R, Peeta Basa Pati, Tripty Singh and Rekha Nair
3	5	Denudation of COVID-19 Genome	Nandhitha Ravishankar, Sadhana P, Amrita Thakur and Tripty Singh
4	7	A Multifeatured Based Diabetic Retinopathy Detection Using Hybrid-Net	Lokavasan Sai Prajeet Reddy, Bhaskara Sairam, Naga Vikas Vemu, Jayanth Reddy Gundala and Tripty Singh
5	8	Prediction of Diabetes Using Machine Learning: Analysis of 70,000 Clinical Database Patient Record	Sony M Kuriakose, Peeta Basa Pati and Tripty Singh
6	10	DETECTION OF DRIVER'S DROWSINESS BY EYE STATE USING CONVOLUTIONAL NEURAL NETWORK	Yellinedi Likitha, Kommuri Aneela, Kaluvai Deepak Reddy and Sumesh K J
7	16	FAKE JOB RECRUITMENT DETECTION USING MACHINE LEARNING	Vijayram Challagundla, Achyuta Vindhya, Talasila Dhathri Charmila and Sumesh K J
8	21	Comparative Study of Machine Learning Algorithms for Voice Based Gender Identification	Swati Srivastava, Himanshu Sharma and Deepanshi Garg
9	25	Artificial Intelligence powered Chatbot for Mental Healthcare based on Sentiment Analysis	Ansh Mehta, Sukhada Virkar, Jay Khatri, Rhutuja Thakur and Ashwini Dalvi
10	27	Categorical Crime Rate Analysis and Prediction	Jay Mehta, Vaidehi Vatsaraj, Jainam Jain and Anant V. Nimkar
11	32	Design Of Rubble Analyser Probe Using ML For Earthquake	Abhishek Sebastian
12	33	Comparative Study of Liver Segmentation using U-Net and ResNet50	R.V.B.S Prasanth Kumar, Dibin V Sivadas and Tripty Singh
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15	56	Skull Stripping and Classification Of Autism Spectrum Disorder Using Deep Learning	Brundha J, Tripty Singh and Prakash Duraisamy
16	61	Interactive Horoscope Based Music Recommendation System using Deep learning	Hamza Ghojaria, Rupali Sawant and Hamza Ghojaria
17	62	An Enhanced Approach on Brain Tumor Segmentation by the use of Deep Learning	Abhishek Raj, Jahan Malik, Praneeth Sai Kumar Tondepu, Gopala Krishna Abhishek V, Ashish Kumar and Sumit Bujare
18	67	Human Personality Identification Based on Handwriting Analysis	Niharika Ghali, Disha Haldankar and Rahul Sonkar
19	70	Deep Reinforcement Learning Algorithms for Machine-to-Machine Communications: A Review	Devarani Devi Ningombam

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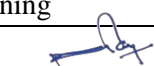Dr. MAHESWARAN.S
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22	86	The Impact of Big Five Personality Traits on Augmented Reality Acceptance Behavior: An Investigation in the Tourism Field	Oumayma Labti and El Mostafa Bourhim
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26	104	How does Personality Matter? Investigating The Effect of Big-Five Personality Traits on Virtual Reality Acceptance Behavior	Oumayma Labti and El Mostafa Bourhim
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58	223	A Method for Voice Activity Detection using K-Means Clustering	Atul Agarwal, Sourabh Tiwari, Vinay Patage, Sankar Ganesh S and Sudhakar M S
59	225	Automation in the Sector of Home Gardening	Anurag Ghosh, Shraman Biswas, Kingshuk Mandal and Sk Habibur Rahaman
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61	228	Design and Implementation of Finite State Vending Machine in Bangladeshi currency	K. M. Daiyan, Shaiokh Bin Abi and Ahmed Mustakim
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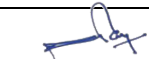Dr. MAHESWARAN.S
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121	6	An Ensemble Learning Model to Detect COVID-19 Pneumonia from Chest CT Scan	Ferdib-Al-Islam and Pintu Chandra Shill

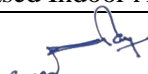| 122	13	Design of DCT- SLM and Modified Bartlett Hanning Window Based OFDM systems to Reduce ICI in AWGN Channel	Shashank Kumar Singh and Amit Kumar
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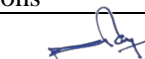DR. MAHESWARAN.S
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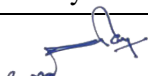| 268	363	Pneumonia Detection using Ensemble of Modified ViT-YOLO Models	Sanya A. Chetwani, Kedar P. Vaidya and Meera Dhabu
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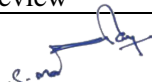| 306	394	Segmentation and classification of Gallstone in ultrasound images of gall bladder by using Support Vector Machine	Vanitha M, Ganesh Babu T R, Praveena R and Sathyapriya M
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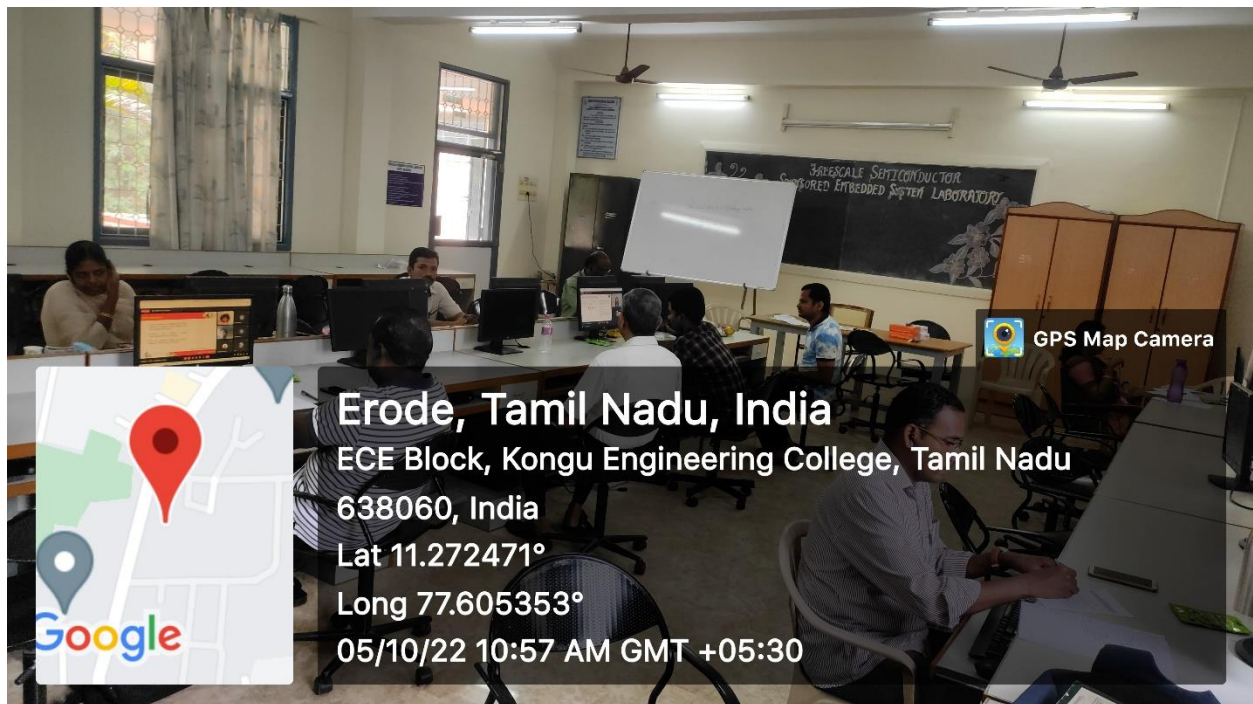
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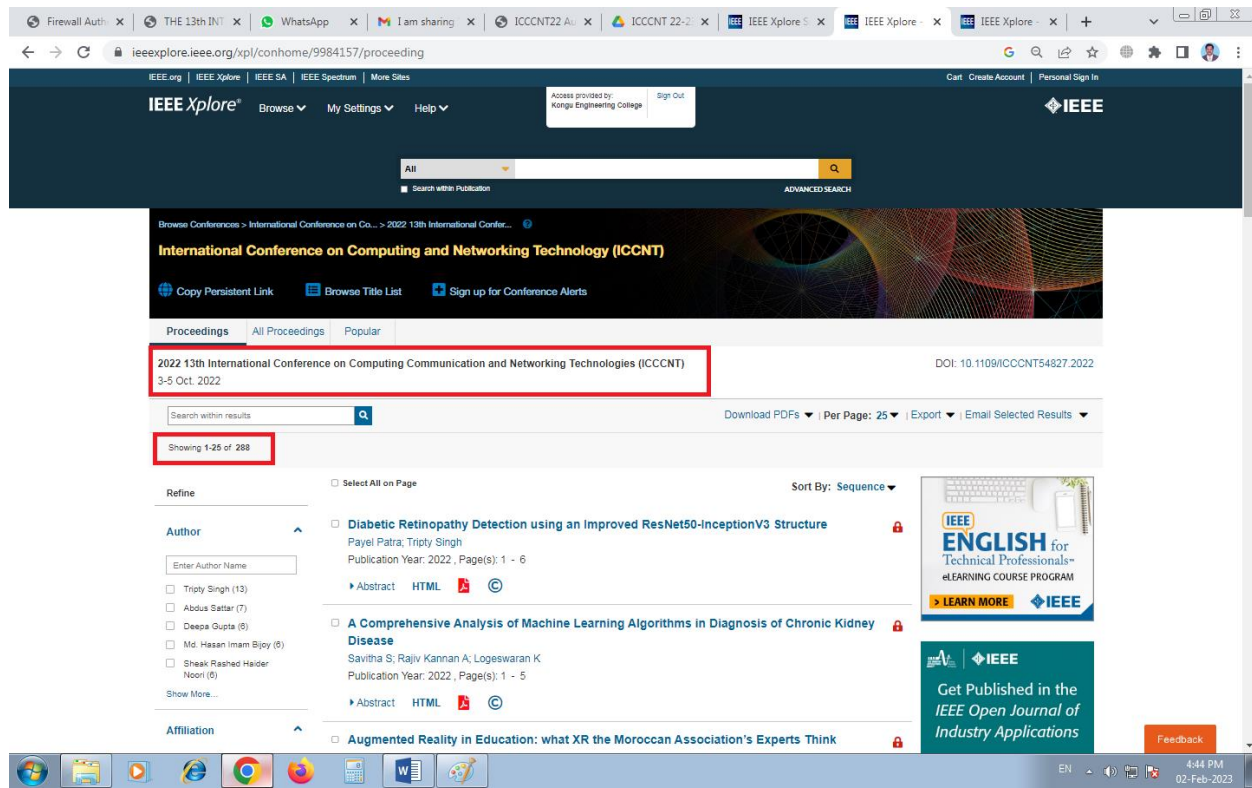
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