



# IFET COLLEGE OF ENGINEERING

(An Autonomous Institution)

Third IEEE International Conference on Smart Technologies and Systems  
for Next Generation Computing (ICSTSN 2024)



**Session Chair** : 1. Dr. R. Shyamala,  
Assistant Professor, University College of Engineering,  
Tindivanam  
2. Dr.D.Prabakaran,  
Associate Professor/ECE, IFETCE

**Date and Time** : 18/07/2024 (Thursday- FN), 11:30 AM to 1:30 PM (offline)

**Track 1** : Artificial Intelligence and Machine Learning

S.NO	Paper ID	Paper Details
1	ICSTSN 509 (11.30 AM-11.45 AM)	Cardio Care: A Predictive Model For Heart Disease Detection <i>Mr.Rohith R, Dr.B. Senthilnayaki, Mr. M. Joshua Dayalan</i>
2	ICSTSN 352 (11.45 AM -12.00 PM)	Artificial Intelligence Presence in Health Care Systems <i>Dr.Sudha S, Dr.D.Anitha Kumari, Mr.Nirmal Raaghav N</i>
3	ICSTSN 01 (12.00 PM-12.15 PM)	Brief Review On Challenges And Issues In Cloud Computing Environment <i>Niyasudeen.F</i>
4	ICSTSN 505 (12.15 PM-12.30 PM)	An Automated Mood Analysis of Crying Infants Through Sound Recognition Using Hybrid Deep Learning <i>Dr. Geerthik S, Mrs. G. Tharagarani, Ms. Subiksha P, Ms. Sabthami B</i>
5	ICSTSN 527 (12.30 PM-12.45 PM)	Hybrid Approach of CNN & RNN for Breast Cancer Detection and Segmentation <i>Manju Bala P, Ms, Priyadharshini S, Mrs, Usharani S, Mr, Balachandar A</i>
6	ICSTSN 504 (12.45 PM -1.00 PM)	Future Navigation Demand Trends: Accurate Ride Request Forecasting Optimization Using Machine Learning <i>Geerthik S, Senthil G. A, Illakiya G, Naveen Raj S, Arun Kumar B</i>
7	ICSTSN 341 (1.00 PM -1.15 PM)	Multilingual Sentiment Analysis for Youtube Educational Videos Using NLP And Machine Learning Approaches <i>Martina Jose Mary M, Ms.R.Shyamala Devi, Mr.Yogeshkannah K, Mr.Prem S, Mr.Pooranachandiran G, Mr.V.Viyash</i>
8	ICSTSN 317 (1.15 PM-1.30 PM)	Next-Gen Maritime Security by Leveraging Advanced AIS Analytics for Precision Detection And Monitoring Of Boats In Ocean <i>Mrs.K.Keerthiga, Mrs.M.Narmadha</i>



# IFET COLLEGE OF ENGINEERING

(An Autonomous Institution)

Third IEEE International Conference on Smart Technologies and Systems  
for Next Generation Computing (ICSTSN 2024)



**Session Chairs** : 1. Dr. N. P. Subramaniam,  
Associate Professor, Puducherry Technological University.  
2. Dr. P. Pugazhendiran,  
Professor/EEE, IFETCE

**Date and Time** : 18/07/2024 (Thursday- FN), 1:30 PM to 3:30 PM (offline)

**Track 2** : Next generation Technologies

S.NO	Paper ID	Paper Details
1	ICSTSN 508 (1.30 PM-1.45 PM)	An Analysis of Frequency Response In Integrated Power System Using Power Electronics Controller Tuned With Whale Optimization Technique <i>Somnath Ganguly</i>
2	ICSTN 522 (1.45 PM - 2.00 PM)	Hybrid Fuzzy Logic Interface Pi Controller (HFLPIC) To Enhance Power Conversion Efficiency In An Autonomous Microgrid <i>Punitha.S, Ajay D, Vimal Raj</i>
3	ICSTN 70 (2.00 PM - 2.15 PM)	Reduced Switch Inductor DC- DC Converter With Increased Gain For PV System <i>Sriram S, V. Mohan</i>
4	ICSTN 454 (2.15 PM -2.30 PM)	Machine Learning Model for Real-Time Atmospheric Distortion Correction in Multispectral Satellite Imagery <i>Sivasakthi T, U.Palani, Hariviswanathan K, Vasanthi D, Devi A, Kaviya S</i>
5	ICSTN 503 (2.30 PM-2.45 PM)	Predicting Cyber-Attacks And Identifying Perpetrators Using Machine Learning Techniques <i>Senthil G.A, Geerthik S, Tharagairani G, Sachin L, Dinesh Kumar S</i>
6	ICSTSN 293 (2.45 PM -3.00 PM)	End to End Comments Filtering Feature Using Sentimental Analysis <i>Sindhu A, D. Jayakumar, S. Sasivardhini, M.O. Ramkumar, R. Rajmohan</i>
7	ICSTSN 526 (3.00 PM -3.15 PM)	Gamma Z Source Multilevel Inverter For Photovoltaic Systems <i>T. Rampradesh, V. Logesh</i>
8	ICSTSN 460 (3.15 PM-3.30 PM)	A Comprehensive Study On The Advances And Challenges In Visible Light Communication Technologies <i>Vijayakumari K, Anusudha K</i>



# IFET COLLEGE OF ENGINEERING

(An Autonomous Institution)

3<sup>rd</sup> IEEE International Conference on Smart Technologies and Systems  
for Next Generation Computing (ICSTSN 2024)



**Session Chairs** : 1. Dr. T. SreeSharmila,  
Associate Professor/CSE, College of Engineering, Guindy  
2. Dr. J. Vidhya,  
Associate professor/ ECE, IFETCE

**Date and Time** : 18/07/2024 (Thursday-FN), 11:00AM to 1:00 PM (Online)

**Track 3** : IoT, Wireless Sensor Networks and Machine learning algorithms

**Meeting ID** : <https://meet.google.com/ddc-ozyr-tss>

S.NO	Paper ID	Paper Details
1	ICSTSN 494 (11.00 AM-11.15AM)	Prediction of Breast cancer survivability using semi supervised machine learning framework <i>Mousoomi Bora, Rupam Barua</i>
2	ICSTSN 272 (11.15 AM -11.30 AM)	Creating a Resilient Blockchain Framework To Enhance The Efficiency and Security of Data Management Within Internet of Things Networks. <i>I. Infant Raj, A. Balavivekanandhan, Annapurna, Mohd Aarif, Narinder Kumar Bhasinmity, Kamal Gulati</i>
3	ICSTSN 139 (11.30 AM -11.45 AM)	A Hybrid Decision-Tree and ANN Learning Model For Air Contamination Forecasting <i>S.Gunasekar, G. Pius Agbulu, G. Joselin Retna Kumar, N.V. Raghavendra Reddy, Y. Dileep Kumar, R. Ramesh Prasad</i>
4	ICSTSN 407 (11.45 AM -12.00 PM)	Developing an Advanced Skin Disease Detection System by Integrating Hybrid Neural Network with Yolo V8 Model <i>S.Pavithra, K.Tamilarasi, Soham Shashidhar, Mohammad Shahzil</i>
5	ICSTSN 507 (12.00 PM-12.15 PM)	U-Net Based Pancreas Segmentation from Computed Tomography Images <i>B..Lakshmi Priya, Tirumalasetti Devendhar, S.Jayalakshmy</i>
6	ICSTSN 512 (12.15 PM - 12.30 PM)	Hybrid Spotted Hyena And Simulated Annealing Optimization Algorithm(HSHOSAA-1) For Efficient Task Scheduling in a Clustered Cloud Environment <i>K.Sathish Kumar, T.B Sivakumar, L. Maria Michael Visuvasam, V. Sangeetha, S.Bhuvana, K. Sachet</i>
7.	ICSTSN 520 (12.30 PM – 12.45 PM)	Optimized Bidirectional Long Short - Term Memory Model For Distributed Denial Of Service Attack Detection In Wireless Sensor Networks <i>S.Mithuna, K.Poongodi, S.Rajkumar</i>
8	ICSTSN 514 (12.45 PM - 1.00 PM)	Comparative Analysis of Machine Learning Algorithms for Early Detection of Chronic Kidney Disease: Performance Evaluation and Insights <i>J. Joan Niveda, R. Yogesh Rajkumar</i>



# IFET COLLEGE OF ENGINEERING

(An Autonomous Institution)

3<sup>rd</sup> IEEE International Conference on Smart Technologies and Systems  
for Next Generation Computing (ICSTSN 2024)



**Session Chairs** : 1. Dr. D. Saraswathi,  
Assistant Professor, Vellore Institute of Technology-Chennai Campus  
2. Dr. P. Kanimozhi,  
Professor/CSE, IFETCE

**Date and Time** : 18/07/2024 (Thursday-AN), 1:00PM to 3:00 PM (Online)

**Track 4** : **Medical Image Processing**

**Meeting ID** : <https://meet.google.com/omp-vcbf-oob>

S.NO	Paper ID	Paper Details
1	ICSTSN 267 (1.00 PM-1.15PM)	Data Mining Framework For Discovering And Clustering Phenotypes of Atypical Diabetic Lung <i>S. Lekshmy, K.P. Sridhar, Michaelraj Kingston ROBERTS</i>
2	ICSTSN 486 (1.15 PM -1.30 PM)	Implementing OTP Verification and Zero Trust Security For Role-Based Access Control In Medical Records <i>L. Mary Shamala, B. V. Harshini, U. Ulagarchana, Perla Mounika</i>
3	ICSTSN 495 (1.30 PM -1.45 PM)	Intelligent Brain Tumor Detection using Fine-Tuned Efficientnets <i>S. Abijah Roseline. S.K. Md. Hussain Basha, R. Parkavi</i>
4	ICSTSN 487 (1.45 PM -2.00 PM)	Comparative Analysis of Deep Convolution Neural Networks on Medical Image-Based COVID-19 Detection <i>R.Prabu, Dr.P.Dhinakar</i>
5	ICSTSN 405 (2.00 PM-2.15 PM)	Integrative Framework for Heart Failure Risk Assessment And Tailored Mitigation Strategies <i>V. Yuthish Kumar, S. Goutham, I. R. Praveen Joe</i>
6	ICSTSN 424 (2.15 PM-2.30 PM)	Unveiling Anomalies: A Review of Anomaly Detection Through Lens of Explainable AI <i>Shikhar Asthana, Dr. Anurag Goel</i>
7.	ICSTSN 447 2.30 PM-2.45 PM	Enhanced Real-Time Abnormal Event Detection In Video Surveillance For Safety And Security <i>Nishant Sheoran, Dr. C. Muralidharan, Dr. V. Arulalan, Dr. Kishore Anthuvan Sahayaraj K,</i>
8	ICSTSN 446 (2.45 AM - 3.00 PM)	Facial Recognition Robots For Enhanced Safety and Smart Security <i>C. Venkatesan, K. Sathish, Bolla Naganwesh, D. Shaheen, Rishant Kumar Sinha, Musharraf Reza</i>



# IFET COLLEGE OF ENGINEERING

(An Autonomous Institution)

3<sup>rd</sup> IEEE International Conference on Smart Technologies and Systems  
for Next Generation Computing (ICSTSN 2024)



## Session Chairs

- : 1. Dr.P.Muneeswaran,  
Assistant Professor, National Institute of Technology –Calicut  
2. Dr. A. Devi,  
Associate Professor/ECE, IFETCE

## Date and Time

: 19/07/2024 (Friday-FN), 10:00AM to 12.00 PM (Online)

## Track 5

: **Health care and Recognition Systems**

## Meeting ID

: <https://meet.google.com/xpd-bpwv-nio>

S.NO	Paper ID	Paper Details
1	ICSTSN 398 (10.00 AM-10.15 AM)	Gender Fairness Analysis In LLMs Using Zero-Shot and Few-Shot Experiments <i>Keshav Gupta, Kartikeya Jain, Lakshay Solanki</i>
2	ICSTSN 353 (10.15 AM-10.30 AM)	A Unified Approach for Detecting Emotions through Sentimental and Emotional Analysis <i>Prabhu R, Mr.Muralidharan M, Mr.Sanjeevi K, Mr.Chandhru S</i>
3	ICSTSN 50 (10.30 AM -10.45 AM)	Navigating the Nexus A Bibliometric Analysis of the Intersection Between AI, Multimedia and Journalism <i>Ramandeep Sharma, Deepak Kumar Singh, Pradeep Kumar, Mohd Khalid, Tushar Ranjan Dash, Bhoomi Vij</i>
4	ICSTSN 258 (10.45 AM -11.00 AM)	Smart IoT Medication Companion <i>Kalpana Murugan, Sai Govardhan Reddy, Sampath Reddy, Pavan Kumar, Karthik Reddy,</i>
5	ICSTSN 381 (11.00 AM-11.15 AM)	A Novel Framework for Preserving Patient Health Record In IoT Healthcare <i>Mohammad Riyaz Belgaum, Priyanka Pothureddy, Sai Suraksha Patnam, Parimala Deepthi Gadda</i>
6	ICSTSN 357 (11.15 AM - 11.30 AM)	Sign Language Detecting System Using Tensorflow Object Detection API <i>A.S.Renugadevi, D.Kalaiabirami, R. Guhan, P. Kaviya, P. N. Kavinraj, M. Jayaprakash, G.S.Jenish</i>
7.	ICSTSN 351 (11.30 AM – 11.45 AM)	Intelligent Data Storage in Electronic Voting Machine using Blockchain System <i>S.Jaisiva, Suma Sira Jacob, Lijo Jacob Varghese, S.Dilip Kumar, R.Lakshana, R.Keerthana</i>
8	ICSTSN 510 (11.45 AM - 12.00 PM)	EHR Based Prediction and Diet Recommender for Diabetes Using Blockchain <i>N. Poonguzhali, Amarabalan</i>



# IFET COLLEGE OF ENGINEERING

(An Autonomous Institution)

3<sup>rd</sup> IEEE International Conference on Smart Technologies and Systems  
for Next Generation Computing (ICSTSN 2024)



**Session Chairs** : 1. Dr. B. Elizabeth Caroline,  
Professor/ECE, IFETCE  
2. Dr. K. Sagadevan  
Associate Professor/ECE, IFETCE

**Date and Time** : 19/07/2024 (Friday-FN), 11:30AM to 1:30 PM (Online)

**Track 6** : Antennas and Optimization Techniques

**Meeting ID** : <https://meet.google.com/ryg-jrtx-xed>

S.NO	Paper ID	Paper Details
1	ICSTSN 461 (11.30 AM-11.45AM)	Investigation of Octagon-Slotted Photonic Crystal for Wireless Technologies <i>D Sathish Kumar, S. Lalithakumari, G. Rajalakshmi, R. Pandian, A. Sivasangari, S. Poonguzhali,</i>
2	ICSTSN 132 (11.45 AM -12.00 PM)	Design and Analysis of Weather Parameters Using MEMS Technology With Suitable Characteristics For Integration Into A Single Chip For Environment Monitoring <i>S. Gunasekar, Abdurrashid S. Hassan, Vimala A. Juliet, G. Pius Agbulu, G. Joselin Retna Kumar, N.V. Raghavendra Reddy</i>
3	ICSTSN 431 (12.00 PM -12.15 PM)	Design and Implementation of BIST logic for High Speed and Energy Efficient CSLA <i>Sourav Agarwal, Garima Solanki, Tushar Mishra</i>
4	ICSTSN 450 (12.15 PM -12.30 PM)	A Comprehensive Analysis of Optimization of Task Scheduling Algorithms For IoT Applications in a Combined Environment of Cloud,Fog And Edge. <i>S. Sarumathi , K. Vijayalakshmi</i>
5	ICSTSN 478 (12.30 PM-12.45 PM)	Monopole Elliptical Antenna With Double Triangular Slits For Ku Band Applications <i>Haripriya</i>
6	ICSTSN 529 (12.45 PM - 1.00 PM)	Spider Wasp Optimisation For Effective IoT Task Placement in Cloud - Fog Networks <i>R. Vijhayalakshme, R Baskar,R Gopinath</i>
7.	ICSTSN 387 (1.00 PM – 1.15 PM)	Financial Risk Prediction in E-Commerce: Leveraging Vampire Bat Optimization and Factor Analysis For Enhanced Decision-Making <i>A. Balakumar, Sailaja Nimmagadda, Rekha Murugan, Dhilipan C, K. Deepika, Iskandar Muda</i>
8	ICSTSN 531 (1.15 PM - 1.30 PM)	The Impact of Devops On Software Quality <i>Shubham, Lalit Mohan Saini</i>





# IFET COLLEGE OF ENGINEERING

(An Autonomous Institution)

3<sup>rd</sup> IEEE International Conference on Smart Technologies and Systems  
for Next Generation Computing (ICSTSN 2024)



**Session Chairs** : 1. Dr. R. Gunabalan,  
Professor/EEE, VIT Chennai  
2. Dr. T. Rampradesh,  
Associate Professor/EEE, IFETCE

**Date and Time** : 19/07/2024 (Friday-FN), 1:30PM to 3:30 PM (Online)

**Track 7** : **Advanced Energy Solutions**

**Meeting ID** : <https://meet.google.com/quz-egy-x-wev>

S.NO	Paper ID	Paper Details
1	ICSTSN 374 (1.30 PM-1.45PM)	Optimizing 3D Printing to Increase the Gain and Bandwidth of Microstrip Antennas: A Research on Implementation And Design <i>Kaustubh Kumar Shukla, Sakshi Pandey, Sanghamitra V Arora, Priyanka, A.Nivetha, Ashwani Chaudhary</i>
2	ICSTSN 373 (1.45 PM -2.00 PM)	Design And Analysis of A Novel Microbattery Using Multiphysics Based On Artificial Intelligence Applications <i>Sandeep Mishra, Mayank Jaiswal, Kaustubh Kumar Shukla, Harshit Mittal, Sourabh Dubey, Bhupendra Kumar Sharma</i>
3	ICSTSN 499 (2.00 PM -2.15 PM)	A Quasi-Z-Source Boost DC to DC Converter Coupled Inductor For PV Applications <i>Bala Sundar Kammari, Busireddy Hemanth Kumar, K. Ravi Teja, Vundela Jitendhar Reddy, B. Obulapathi. E Parimalasundar</i>
4	ICSTSN 500 (2.15 PM -2.30 PM)	Analysis Of Nine Level Single-Phase Cascaded H- Bridge Inverters For EVs <i>E. Parimalasundar, S. Jayakumar, Hareesh Sita, R. Jayanthi, B. Hemanth Kumar, K. Suresh</i>
5	ICSTSN 477 (2.30 PM-2.45 PM)	AI-Powered Optimization: Revolutionizing 6G Networks for Efficiency and Performance <i>K. Tamarasi, S.Pavithra, Ramya Rangarajan, Venyaa Venkataraman, Krithik Shankar</i>
6	ICSTSN 83 (2.45 PM - 3.00 PM)	Mitigation of Uncertainties in Energy Management of a Grid Connected Microgrid <i>Rajesh Kumar Prakhya, P.V.Rama Krishna</i>
7.	ICSTSN 197 (3.00 PM – 3.15 PM)	Modelling of Artificial Intelligence Based Eco- friendly Quadcopter for Sustainable Agriculture <i>Lakshana R, S. Harshavarshini, R. Keerthana, K. Kirankumar, Lijo Jacob Varghese, S. Jaisiva</i>
8	ICSTSN 276 (3.15 PM - 3.30 PM)	Enhancing the Efficiency of PB-Based Perovskite Solar Cells Using Layer Thickness Optimization <i>Md. Arif Hasan Masum, Saiful Islam Tuhin, Md. Sahadat Hossain Sani, Md.Nure Alam Siddiki, Md. Shamsul Arefin</i>



# IFET COLLEGE OF ENGINEERING

(An Autonomous Institution)

3<sup>rd</sup> IEEE International Conference on Smart Technologies and Systems  
for Next Generation Computing (ICSTSN 2024)



**Session Chairs** : 1. Dr. Malaya Kumar Nath,  
Assistant Professor, National Institute of Technology, Puducherry  
2. Dr. M. Saravanan,  
Professor/ECE, IFETCE

**Date and Time** : 19/07/2024 (Friday-FN), 1:30PM to 3:30 PM (Online)

**Track 8** : Advancements in Predictive Analysis

**Meeting ID** : <https://meet.google.com/ofv-qqze-eqr>

S.NO	Paper ID	Paper Details
1	ICSTSN 78 (1.30 PM-1.45PM)	Enhancing Android Malware Detection through Machine Learning: Insights from Permission and Metadata analysis <i>G. Shankar, S. Sridhar, G. Srivatsan, R. Kishan, S.S. Pranav Vikraman</i>
2	ICSTSN 389 (1.45 PM -2.00 PM)	Monthly Rainfall Analysis in Southern Parts of India Using Machine Learning and Ensemble Methods <i>Aiswarya Mohan, S. Krishna Priya, T. Remya Nair</i>
3	ICSTSN 331 (2.00 PM -2.15 PM)	Telugu Text Generation With LSTM <i>Deena Hijam, Saividhya Gottipati, Shaik Fardeen</i>
4	ICSTSN 359 (2.15 PM -2.30 PM)	Comparative analysis of Start-up Success Rate Prediction Using Machine Learning Techniques <i>Ediga Kasi Viswanath, Mohammad Riyaz, Pavukolla Chakradhar, Ediga Chenna Kesava Goud, Kuruva Chandu,</i>
5	ICSTSN 358 (2.30 PM-2.45 PM)	Smart Patrolling System Using Machine Learning <i>P.Megala, R. Prabhu, V. Devi, S.Yamini</i>
6	ICSTSN 482 (2.45 PM - 3.00 PM)	Predicting Crop Yield Based on Stacking Ensemble Model in Machine Learning <i>K. Umamaheswari, R. Madhumathi</i>
7.	ICSTSN 468 (3.00 PM – 3.15 PM)	Detection and Classification of Brain Tumor Using Machine Learning <i>Prachi V.Kale, A. B. Gadicha, G.D.Dalvi</i>
8	ICSTSN 137 (3.15 PM - 3.30 PM)	Ensemble Based Soil Classification Using Machine Learning Techniques <i>G Revathy, P.Aurchana, D. Antony Joseph Rajan, R. Madonna Arieth</i>





# IFET COLLEGE OF ENGINEERING

(An Autonomous Institution)

3<sup>rd</sup> IEEE International Conference on Smart Technologies and Systems  
for Next Generation Computing (ICSTSN 2024)



**Session Chairs** : 1. Dr. B. Lakshmi Priya,  
Associate Professor, School of Engineering, Jawaharlal Nehru University  
2. Dr. M. Margaret,  
Professor/ECE, IFETCE

**Date and Time** : 19/07/2024 (Friday-FN), 10:30AM to 12:30 PM (Online)

**Track 9** : **Deep Learning and its Applications**

**Meeting ID** : <https://meet.google.com/tmi-nzof-kna>

S.NO	Paper ID	Paper Details
1	ICSTSN 386 (10.30 AM-10.45AM)	Analysing Depression In Social Media: A Study of Basic Deep Learning Algorithms And Transformer Model With a Comparative Approach <i>Anju Thankam Philip, Reshma Radhakrishnan Iyer, L. Nitha</i>
2	ICSTSN 326 (10.45 AM -11.00 AM)	Optimized Convolutional Neural Network Model For Software Effort Estimation <i>A.G. Priya Varshini, K. Anitha Kumari J.Ramprasath, R. Sam Rishi S. Balakrishnan, D. Deepak</i>
3	ICSTSN 474 (11.00 AM -11.15 AM)	Deciphering Key Genes in Colon Cancer Through Deep Learning Techniques <i>M.Kalaivani, K.Abirami, K.Dharmarajan</i>
4	ICSTSN 473 (11.15 AM -11.30 AM)	Vehicle and Building Detection Using Convolutional Neural Network for Drone Images <i>Amey Rajesh Avhad , Dr. B. J. Dange, Mr. Mayur More, Mr. Sairaj Bhakare, Mr. Sanket Aghav</i>
5	ICSTSN 506 (11.30 AM-11.45 AM)	Deep Learning-Based Detection of Foliar Diseases In Apple Plants Using An Assembled CNN Model <i>Yatendra Sahu, Arpita Bhargava, Ghanshyam Singh Thakur, Rishi Jain</i>
6	ICSTSN 420 (11.45 AM - 12.00 PM)	Exploring The Intricacies of Biometric ATM Operations, Specifically Focusing on The Integration of Fingerprint and Facial Recognition Using Deep Learning Techniques. <i>Trupti Sunil Burkul, Sarita Patil</i>
7.	ICSTSN 472 (12.00 PM – 12.15 PM)	A Comparative Study of House Price Prediction Using Machine Learning and Deep Learning Techniques <i>R. Venkatesan, V. Hamsavathi, B. DhivyaBarathi, R. Subiksha</i>
8	ICSTSN 523 (12.15 PM - 12.30 PM)	Indian Currency Classification For Visually Impaired People Using Deep Learning <i>M. Aiswarya, Kogilavani Shanmugavadivel, T. Aruna, S. Jeevaananth</i>



# IFET COLLEGE OF ENGINEERING

(An Autonomous Institution)

3<sup>rd</sup> IEEE International Conference on Smart Technologies and Systems  
for Next Generation Computing (ICSTSN 2024)



**Session Chairs** : 1. Dr. K. Saruladha,  
Professor/CSE, Puducherry Technological University  
2. Dr. S. Mohammed Nizar  
Associate Professor/ECE, IFETCE

**Date and Time** : 19/07/2024 (Friday-FN), 10:30AM to 12:30 PM (offline)

**Track 10** : Advances in Green Chemistry and AI

S.NO	Paper ID	Paper Details
1	ICSTSN 497 (10.30 AM-10.45AM)	Molecular Docking Studies of Pisonia Grandis against Herpes Simplex Virus <i>M. Vinoth, Dr. A. Bobin, Mr. B. Rajagobalan, Dr. V. Rangaswamy, Dr. K. Santhanalakshmi</i>
2	ICSTSN 426 (10.45 AM -11.00 AM)	Smart Truck Load Monitoring and Overload Prevention System With Ignition and Fuel Controls <i>Vijaya kumar S, Mr.Sagaya Selvaraj A, Mr.Dhinesh G, Mr.Arivalavan K</i>
3	ICSTSN 533 (11.00 AM -11.15 AM)	Efficient Net Approach For Skin Cancer Detection For Early Intervention <i>T.Jackulin, Kavitha Subramani, U.Regasri, S.Sharmila, P.Angel Maanu, M.DharsanaSri</i>
4	ICSTSN 532 (11.15 AM -11.30 AM)	Empowering Coders: Revolutionizing Programming Education With Nlp And Challenge-Based Learning <i>Mohanaprakash T A, C. Tamilselvi, R.Kalaiyarasi, Nithiyasree P, Krishnaraj M, T.Sunitha</i>
5	ICSTSN 491 (11.30 AM - 11.45 AM)	Enhanced Image Processing for Automobile Accident Detection Using Deep Learning <i>S.Usharani, J.Dhanushkumar, P.Manju Bala, A.Balachandar</i>
6	ICSTSN 423 (11.45 AM – 12.00 PM)	Optimizing the Energy and Performance Of Wireless Sensor Networks For IoT Applications Using Cr-MSGT,SDN and Gaussian Filters <i>Mrs.R. Gomathi, Sathish K,Vethamoorthi V</i>
7.	ICSTSN 280 (12.00 PM-12.15PM)	Unified Payment Interface Imposture and Scam Detection Using Deep Learning and ANN <i>Karthick N, M. Tamilarasan, G. Leema roslin, K. Kalaiselvi, S. Sudha, J. Jayanthi</i>
8	ICSTSN 498 (12.15 PM - 12.30 PM)	Live Video Stream Analysis in Real-Time Using Edge Enhanced Clouds <i>Mrs.K.Elavarasi, Mr.C.T.Kailash</i>



# IFET COLLEGE OF ENGINEERING

(An Autonomous Institution)

3<sup>rd</sup> IEEE International Conference on Smart Technologies and Systems  
for Next Generation Computing (ICSTSN 2024)



**Session Chairs** : 1. Dr. Vivek Maik,  
Principal scientist, HTIC, IIT Research Park  
2. Dr. R. Thendral,  
Associate Professor/IT, IFETCE

**Date and Time** : 19/07/2024 (Friday-AN), 1:00PM to 3:00 PM (Online)

**Track 11** : Advances in Artificial Intelligence for Social and Technical Solutions

**Meeting ID** : <https://meet.google.com/ufx-opgs-psu>

S.NO	Paper ID	Paper Details
1	ICSTSN 363 (1.00 PM-1.15PM)	Enhancing Image Translation with Conditional Generative Adversarial Networks <i>Tanvi Kayat, Srishti Arora, Shobhit Verma</i>
2	ICSTSN 442 (1.15 PM -1.30 PM)	Addressing Bias In Text-To-Image Generation: A Review Of Mitigation Methods <i>Shah Prerak</i>
3	ICSTSN 54 (1.30 PM -1.45 PM)	Gamifying Language Learning: Applying Augmented Reality And Gamification Strategies For Enhanced English Language Acquisition <i>B Kiran Bala, Kathiravan Ravichandran, Dr. B. Anita Virgin, Dr Surekha Patil, Dr Gulnaz Fatma, Manikandan Rengarajan,</i>
4	ICSTSN 390 (1.45 PM -2.00 PM)	Detecting E-Bullying in Social Media Platform With Stacked BILSTM Approach <i>Devika Thilakaraj, Gouri S Ajay, Leena Vishnu Namboothiri</i>
5	ICSTSN 421 (2.00 PM -2.15 PM)	Job Recommendation System Based on Candidate Skills <i>Nakshatra Pramanik, Pritha Das, Riya Roy, Sauvik Bal</i>
6	ICSTSN 329 (2.15 PM -2.30 PM)	Classification of Alzheimer's Disease With Generated MRI Images Using Randomized CNN <i>G. P. Angeline Pearl, J Anitha</i>
7.	ICSTSN 379 (2.30 PM-2.45 PM)	Transformer-Based Approach For Predicting Student Admission Category In Higher Education <i>V. Vinothina, V. Bharathi, K. Vignesh, D Ravindran</i>
8	ICSTSN 449 (2.45 PM - 3.00 PM)	Harnessing Advanced Learning For Sarcasm Detection <i>Karthika Veeramani, M. Prasanna Kumar</i>



# IFET COLLEGE OF ENGINEERING

(An Autonomous Institution)

3<sup>rd</sup> IEEE International Conference on Smart Technologies and Systems  
for Next Generation Computing (ICSTSN 2024)



**Session Chairs** : 1. Dr. P. Arun Raj Kumar,  
Associate Professor, National Institute of Technology, Calicut  
2. Dr. U. Palani  
Professor/ECE, IFETCE

**Date and Time** : 18/07/2024 (Thursday-AN), 1:30PM to 3:30 PM (Online)

**Track 12** : **Emerging Trends in Data Security, Energy Efficiency**

**Meeting ID** : <https://meet.google.com/jvu-yijh-xyv>

S.NO	Paper ID	Paper Details
1	ICSTSN 488 (1.30 PM-1.45 PM)	An analysis comparing CT and X-ray images for COVID -19 identification employing deep Learning and image processing methods <i>R. Prabu, P.Dhinakar</i>
2	ICSTSN 292 (1.45 PM - 2.00 PM)	Data Security in Cloud Computing using Maritime Search and Rescue Algorithm <i>R. Mahesh Muthulakshmi, T. P. Anithaashri</i>
3	ICSTSN 489 (2.00 PM - 2.15 PM)	A New Chaotic Jerk System Based Only On A Single Quadratic Equation Displaying Coexisting Attractors <i>R. Prabu, P.Dhinakar, S. Prakash, N. Gayathri</i>
4	ICSTSN 511 (2.15 PM - 2.30 PM)	Z-Number And Dematel-Based Scheme To Enhance Energy-Efficient Workflow Scheduling And Virtual Machine Consolidation For Green Cloud Computing <i>Parvathi S, V.Divya, J.Malathi, M. Rajeswari, D.Senthil Kumar, G. Mugunthan</i>
5	ICSTSN 383 (2.30 PM - 2.45 PM)	Supply Chain Excellence: A Comparative Study of Amazon and Flipkart <i>P.M. Joe Prathap, L Sherin Beevi, W Vinil Dani, A. Kommi Sree Sai Chaithresh, Mohammad Vajid Ahamed</i>
6	ICSTSN 323 (2.45 PM - 3.00 PM)	Library Book Recommendation Chatbot Using RASA NLU <i>Daniel Prem, M. Roshni Thanka, Babita Prem</i>
7	ICSTSN 535 (3.00 PM - 3.15 PM)	Parsed Region Feature Extraction Method For Hepatocellular Carcinoma Detection Using Medical Images <i>T.Thangam, A.Kaleel Rahuman, J.G.Sabarish, S.Sudhakar, P.Jeyalakshmi</i>



# IFET COLLEGE OF ENGINEERING

(An Autonomous Institution)

Third IEEE International Conference on Smart Technologies and Systems  
for Next Generation Computing (ICSTSN 2024)



**Session Chair** : 1. Dr. V.Uma,  
Associate Professor, School of Engineering and Technology,  
Pondicherry University  
2. Dr.T.Ananthakumar,  
Associate Professor/ECE, IFETCE

**Date and Time** : 19/07/2024 (Friday- FN), 10:30 AM to 12:30 PM (offline)

**Track 13** : Artificial Intelligence and Machine Learning

S.NO	Paper ID	Paper Details
1	ICSTSN 528 (10.30 AM - 10.45 AM)	Smartwatch-Powered Vehicle Navigation On Unmapped Terrain <i>Priyadharshini R, Arundhathi T, Priyanka G , Vatturi Harshitha , Kavitha Subramani</i>
2	ICSTSN 279 (10.45 AM - 11.00 AM)	Mental Health Harmony : Insights From The Machine Learning Frontier <i>Nithiyasree P, Dr. Kavitha Subramani, Soorya S, Vatturi Harshitha, Arundhathi T</i>
3	ICSTSN 481 (11.00 AM -11.15 AM)	Reinforcement Learning for Energy-Efficient Routing In Cognitive Wireless Sensor Networks <i>Jayapriya N, Dr. U. Palani</i>
4	ICSTSN 496 (11.15 AM -11.30 AM)	Synthesis and characterization of Nickel Aluminate- innovative green path with solid acid catalyst for solvent free acylation reaction <i>Dr.K.Santhanalakshmi,Dr.N.Neelakandeswari, Dr.GomathiThandapani, Dr.N.Mohanapriya, Dr.M.Vinoth</i>
5	ICSTSN 361 (11.30 AM - 11.45 AM)	Automatic Android Malware Detection Using CNN and GRU <i>Soniya.S, Raghu raman.D, Shivani.S</i>
6	ICSTSN 384 (11.45 AM – 12.00 PM)	IoT Based Satellite Balloon System for Live-Weather Forecast <i>A.Devi, P. Sasirekha, S. Suvetha, B. Senthilnayaki, T. Sivasakthi, P. Dharanyadevi</i>