

**2024 International Conference on  
Advances in Modern Age Technologies for Health and Engineering  
Science (AMATHE 2024)**  
16 - 17, MAY 2024 | Shivamogga, India

**Program Schedule**

Date	Time	Event
16.05.2024	10.00 am to 11.30 am	<p style="text-align: center;"><b>Inaugural Function: Chief Guest</b> <b>Dr. In-Ho Ra</b> <i>Professor</i> <i>School of Computer, Information and Communication Engineering, Kunsan National University</i> <i>Gunsan, SOUTH KOREA</i></p>
16.05.2024	12.15 pm to 01.00 pm	<p style="text-align: center;"><b>Keynote Address #1: Dr. Gill Lacey</b> <i>Electrical Engineering</i> <i>School of Computing, Engineering &amp; Digital Technologies</i> <i>Teesside University</i> <i>Middlesbrough, Tees Valley, UK</i></p>
	11.30 am to 01.30 pm	Session 1: CS01(Online)
		Session 2: CS02(Online)
		Session 3: CS03(Online)
		Session 4: CS04(Online)
		Session 5: EC01(Online)
Session 6: EE01(Online)		
Lunch Break - 01.00 pm to 02.15 pm		
16.05.2024	02.15 pm to 03.00 pm	<p style="text-align: center;"><b>Keynote Address #2: Prof. Dr. Rajendra S Gad</b> <i>Electronics Programme,</i> <i>Goa University, Goa, India</i></p>
	03.00 pm to 05.30 pm	Session 7: CS05- OFFLINE#1
		Session 8: CS06- OFFLINE#2
		Session 9: CS07(Online)
		Session 10: CS08(Online)
		Session 11: CS09(Online)
		Session 12: CS10(Online)
		Session 13: EC02(Online)
Session 13A: CS14(Online)		

17.05.2024	10.00 am to 10.30 am	Keynote Address #3
17.05.2024	10.00 am to 12.20 pm	Session 14: EC03- OFFLINE#3
		Session 15: CS11(Online)
		Session 16: CS12(Online)
		Session 17: CS13(Online)
		Session 18: EC04(Online)
		Session 19: EC05(Online)
		Session 20: EC06(Online)
17.05.2024	12.30 pm	Valedictory Session

Track Notation:

CS - Computer Science & Engineering  
 EE - Electrical & Electronics Engineering  
 EC - Electronics & Communication Engineering

**Note:**

1. Start time given above indicates Indian Standard Time (IST).
2. Presentation will be conducted using Google meet platform.
3. Participants can join their respective sessions by clicking the meet link given
4. Mode of presentation should be powerpoint presentation (ppt or pptx)
5. Duration of presentation: 10 minutes (presentation) + 3 minutes (Queries)
6. Participants are requested to follow the scheduled time; especially regarding the time for your talk.
7. Participants are requested to contact the respective session coordinators for presentation related queries.
8. If any problem connecting to session, please text to the respective session In-Charges (Or) AMATHE Whatsapp group during presentation date(s).

## Session 1: CS01-ONLINE

Date: 16.05.2024

Time: 11.30 am to 01.30 pm

### Session Chairs :

1. Dr. Arjun U, Associate Professor/CSE, PES Institute of Engineering & Technology
2. Dr. Dipti Chauhan, Professor, CSE & AI-DS, Prestige Institute of Engineering Management & Research, Indore

**Session Coordinator** : Mr. Shivanand, Dept of CSE

**Session Link:** <https://meet.google.com/rhr-sbku-ete>

Time	Paper ID	Paper Title	Author(s)
11.30 am	AE-CS 1040	Leveraging U-Net 3+ for Improved Lung Cancer Segmentation and diagnosis	Girish Badamkar, P Suhas Rao, Anupama P Bidargaddi, Sandeep Kulkarni, Manish
11.42 am	AE-CS 1046	Pneumonia Classification through Stacked Ensemble Learning and Fusion of VGG16 and VGG19 Architectures	Abhijna R Kalbhag, Sinchan Karogal, Anupama P Bidargaddi, Jiya S. Palrecha, Sahana S Kagale
11.54 am	AE-CS 1048	Forecasting Emergency Department in Hospitals Using Regression Prediction Models	Adari Ramesh, C K Subbaraya, G Ravi Kumar
12.06 pm	AE-CS 1060	Smart Visage: A Face Recognition and Anti Spoofing System	Chirag Mittal, Saptaparna Debnath, S. Prabakeran
12.18 pm	AE-CS 1061	Sentiment Analysis using Transfer Learning for e-commerce websites	Praveen Gujjar J, Prasanna Kumar H R, Guru Prasad M S
12.30 pm	AE-CS 1066	A Deep Learning Based Critical Analysis Of Skin	Rahul, Meenu Gupta, Rakesh Kumar, Ahmed J. Obaid
12.42 pm	AE-CS 1070	A Multiclass Classifier for Lung Cancer Diagnosis Using Resnet50	Shashank Kulkarni, Omkargouda S Police Patil, Anupama P. Bidargaddi, Sampreet Samaje, Ainapure Darshan

12.54 pm	AE-CS 1073	Enhancing Energy Efficiency in WSN through Multiple Cluster Head Selection and Fuzzy Logic	S. Jagadeesh, Jayaraman Kumarappan, P.N. Karthikayan, P Suresh Pandiarajan, Karthika, Rajesh Devaraj
01.06 pm	AE-CS 1075	Indonesia Medicinal Plant Recognition using Deep Learning: A Computational Study	Prachi Singh, Somil Yadav, Anupama P Bidargaddi, Varsha S H, Anushl Boratti
01.18 pm	AE-CS 1079	Identifying Biomarkers for Papillary Thyroid Carcinoma Using Machine Learning	Geetanjali R, D Evangelin Geetha

## Session 2: CS02-ONLINE

Date: 16.05.2024

Time: 11.30 am to 01.30 pm

### Session Chairs :

1. Dr. Manu A P, Professor/CSE, PES Institute of Engineering & Technology
2. Dr. Ravi Kumar V, Professor, CSE, Vidyavardhaka College of Engineering, Mysore

**Session Coordinator** : Mr. Madesh, Dept of ISE, PESITM

**Session Link:** <https://meet.google.com/gdp-imxt-gpt>

Time	Paper ID	Paper Title	Author(s)
11.30 am	AE-CS 1090	Analysis of IoT and Artificial intelligence Smart Transportation System Application Technology	M.Durga, K.B.Shoba, Raja Thangavelu, S.Ravikanth, R.Sasikala, B.Rajasekaran, G.Ramachandran,
11.42 am	AE-CS 1091	Predictive Analytics for Cardiovascular Health: A Machine Learning Approach	Aakansha Khanna, Pratyansh Singh, Inzimam-UI-Hassan, Inderdeep Kaur
11.54 am	AE-CS 1093	An Analysis of Artificial Intelligence and Bigdata Cyber Security its Applications	A.Padma, M. Ganeshwar Rao, Swatmaram
12.06 pm	AE-CS 1098	Utilizing ANN in an Advanced Machine Learning Framework	Raja Aswathi R and Pazhani Kumar K
12.18 pm	AE-CS 2020	Diagnosis Of Cardio Vascular Diseases Using Retinal Fundus Scans Via Deep Learning	Pryadarshne D, Sai Ruthvik Madireddy, M.P. Vaishnnave, Mercy Paul
12.30 pm	AE-CS 2037	A Handwriting Recognition System That Outputs Editable Text And Audio	Vasudha Rani Vaddadi, Ajit Kumar Rout
12.42 pm	AE-CS 2039	Probing the Genetic Algorithm assisted Vigenère Cipher Cryptanalysis	Harshvardhan V., Kritesh Kumar Gupta and Soman K.P.

12.54 pm	AE-CS 2053	Single Shot Detector based MobileNet for Automatic Detection and Recognition of License Plates	D.C. Kiruthuka, M. Prasanna Blessy, M. Prasanna Blessy and S.Pooja
01.06 pm	AE-CS 2071	Enhancing Predictive Accuracy in Lung Disease Diagnosis through Hybrid ResNet and Transfer Learning Models	Sibi Marappan, Shubham Roy, B.Ankayarkanni, S.Revathy, P.Asha
01.18 pm	AE-CS 2075	Sentiment Analysis on Covid-19 data Using BERT Model	ArunKarthi T, Shanthi S, Nirmaladevi K, Ashwinth K, Dev R B, N Rajkumar

### Session 3: CS03-ONLINE

Date: 16.05.2024

Time: 11.30 am to 01.30 pm

#### Session Chairs :

1. Dr. Chethan L S, Associate Professor / CSE, PES Institute of Engineering & Technology
2. Dr. Sampath S, Professor, ISE, Adichunchanagiri Institute of Technology, Chickmagalore

**Session Coordinator** : Mr. Naveen, Dept of MBA, PESITM

**Session Link:** <https://meet.google.com/xth-wacz-edc>

Time	Paper ID	Paper Title	Author(s)
11.30 am	AE-CS 2078	YOLO Algorithm-Based Suspicious Activity Detection in ATM Surveillance	K Menaka, R Vinoth Raj, Ch.V.S.S Aravind, Vallepu Vamsi, Shaik Fardeen, G Yugendar
11.42 am	AE-CS 2084	Tracking and Managing of Cryptocurrency Wallet	Rishik Yadav, Anurag Sharma, Sachin Kumar, Paramita De
11.54 am	AE-CS 3000	Application of Fuzzy Neutrosophic Soft Matrix on Issues and Experiences of COVID-19	Boobalan. J and Afrine.N.S. Shiny
12.06 pm	AE-CS 3001	Document Information Retrieval With Deep Learning	Abhilasha Sharma and Aparna Arya
12.18 pm	AE-CS 3005	Machine Learning in Weather Forecasting: A Comparative Approach with Emphasis on Neural Networks and Optimizer	Balla Charishma Sulochana, Bhavya Sri Pragada, Boya Chaitanya Kiran, Gaddam Anvith Reddy, Murali K
12.30 pm	AE-CS 3006	Deep Learning for Classifying Stages of Retinopathy of Prematurity	Ayush Satish Govind, Atharva Gadad, Dhruv Jyoti Garodia, Ayush Gupta, Anand Vinekar, and Gowri Srinivasa
12.42 pm	AE-CS 3007	Facial Description Based Suspect Detection	Kiran S Muragodnavar, Jagruthi K J, Neha V Revankar, Kishan K S and Surabhi Narayan

12.54 pm	AE-CS 3013	Road Extraction From Remote Sensing Images Using U-Net	D. Lokesh Sai Kumar, V Esther Jyothi, Chennu Vardhani, Bayarla Meghana, Bobbili Hema Priya and Alladi Sharika
01.06 pm	AE-CS 3024	Development of Knowledge Discovery from Data Mining in Human Resource Application	Rashmi Jha
01.18 pm	AE-CS 3028	The Synergy of Augmented and Virtual Reality in Cancer Treatment Paradigms	Mustafa Husain, Anmol Chourasia, Latika Pinjarkar, Poorva Agrawal, Gagandeep Kaur and Mahantesh Mattada



## Session 4: CS04-ONLINE

Date: 16.05.2024

Time: 11.30 am to 01.30 pm

**Session Chairs** :

1. Dr. Sunitha B S, Associate Professor / CSDS, PES Institute of Engineering & Technology
2. Dr. Kayalvili S, Associate Professor/CSE, Kongu Engineering College, Erode

**Session Coordinator** : Dr Kiran, Dept of ME, PESITM

**Session Link:** <https://meet.google.com/cwz-dovu-kuz>

Time	Paper ID	Paper Title	Author(s)
11.30 am	AE-CS 3029	Credit Card Fraud Detection Using Bayesian Neural Networks	Adithya, Gokulan S, Mahati Reddy, Varshith M, Dr Murali K
11.42 am	AE-CS 3034	Exploring Different Methods of Scanners and Parsers	Asmitha M and Niharika Panda
11.54 am	AE-CS 3042	Predictive Modeling of Brain Cancer Utilizing Meta-Heuristic Optimization: A Crow Search Algorithm Approach	Akbar Badhusha Mohideen, Siva Sai Krishna S, Advait Reddy B, Jashwanth S and Ganesh Reddy T
12.06 pm	AE-CS 3045	A real time ML technique for the Manufacturing and Image Classification System	Thoutireddy Shilpa, Nagendar Yamsani, Bura Vijay Kumar and Shaik Mabasha
12.18 pm	AE-CS 3046	Analysis and classification of heart disease and COVID 19 using electrocardiogram and deep learning	Thoutireddy Shilpa, Bura Vijay Kumar, Nagendar Yamsani and A. Harshavardhan
12.30 pm	AE-CS 3091	Evaluation of Supply Chain Design Decisions under Uncertainty – A Case Study Analysis.	Dr. Joe Prathap, P. M., L Sherin Beevi, W Vinil Dani, Panguluri Venkata Vivek and Dr. E. Ajith Jubilson
12.42 pm	AE-CS 4021	Revolutionizing Urban Drainage: A Smart IoT Approach to Stormwater Management using Ada Boosting Algorithm	Thanigaivelu P S, . Sairam, P. Vijayan, A. Suresh Kumar, N. Mohankumar and T. R. GaneshBabu

12.54 pm	AE-CS 4025	Detection of GAN-manipulated Medical Images through Deep Learning Techniques	Aruna S and Surabhi Narayan
01.06 pm	AE-CS 4030	Emotion Detection from Text using ML Framework	Bommisetty Durga Jasvitha, Kanaganandini Kanagaraj, Keerthana Murali, Manju Venugopalan
01.18 pm	AE-CS 4031	Empowered Artificial Intelligence Approach using Intuitionistic Fuzzy based Deep Neural Network for Chronic Diseases Prediction	D. Karthik and S. Arun

## Session 5: EC01-ONLINE

Date: 16.05.2024

Time: 11.30 am to 01.30 pm

### Session Chairs :

1. Dr. Madhavi Mallam, Professor & Head, ECE, PES Institute of Engineering & Technology
2. Dr. K. Dhayalini, Professor/EEE, K. Ramakrishnan College of Engineering, Trichy

**Session Coordinator** : Mrs Srilakshmi, Dept of ECE, PESITM

**Session Link:** <https://meet.google.com/kzf-epeg-smp>

Time	Paper ID	Paper Title	Author(s)
11.30 am	AE-CS 3002	Wave propagation in nonlocal dual-phase-lag anisotropic thermo-elasticity	Amisha Chawla,Sangeeta Kumari,Surbhi Sharma
11.42 am	AE-EC 1006	Simulation Studies of Nonspiral Planar Microcoils of Square Geometry	Krishnapriya.S
11.54 am	AE-EC 1021	Cross-Dipole Right-Hand Circularly Polarized UHF/VHF Yagi-Uda Antenna for Satellite Applications	Shakthivel S, Chandana B.R, Kavya B.C, Obli B Vikram, Suganthi J, Nagendra Rao G
12.06 pm	AE-EC 1023	Design And Development Of An Underwater Robot For Effective Waste Collection	Amaldeep C and Arunkumar S
12.18 pm	AE-EC 1025	Implementation and Verification of Secure Boot in Embedded Systems	Siva Bala Chandar M and Arunkumar S
12.30 pm	AE-EC 1039	Design, simulation, analysis and fabrication of a modular face shield for the end users with skull deformity	T. Manickavasagam, M. Thiruchitrambalam and D. Shanmugam
12.42 pm	AE-EC 1045	Parkinson's Disease Diagnosis: A Deep Learning Approach Using CNN AlexNet and MR Scans	Priya S. and Jayanthi V.S.
12.54 pm	AE-EC 1046	Analysis of EEG Signals Using Machine Learning Algorithms	Garima Chandel, Samarpreet Singh, Tarun Aggarwal, Karanvir Singh, Tejinderpal Singh, Harpreet Singh

01.06 pm	AE-EC 1049	Advancements in Digital Signal Processing: Design and Implementation of IIR Bandpass Optical Filter using Optisystem	Rani Ankita and Somnath Sengupta
01.18 pm	AE-EC 1051	Deciphering Thyroid Health: Advanced Classification for Predictive Insights	Thirupathi Akshitha, Usurupati Aruna, Guguloth Anjali and Tatiparti Padma

## Session 6: EE01-ONLINE

Date: 16.05.2024

Time: 11.30 am to 01.30 pm

### Session Chairs :

1. Dr. Om Prakash Yadav, Professor / EEE, PES Institute of Engineering & Technology
2. Dr. Shimpy Ralhan, Prof. & Head/EEE, Shri Shankaracharya Technical Campus, Bhilai

**Session Coordinator** : Mr. Kiran G R, Dept of EEE, PESITM

**Session Link:** <https://meet.google.com/ogd-mvnf-mmf>

Time	Paper ID	Paper Title	Author(s)
11.30 am	AE-EC 2011	A Critical Review of MPPT Algorithms for PV Systems	Raghavendra Rao P, Anusha R, V Vignesh Kumar, B Venkatesaperumal
11.42 am	AE-EC 3057	Prediction of Electric Power Generation in Turbine Systems	Sandeep Kumar Sunori, Mehul Manu, Dikendra Verma and Pradeep Juneja
11.54 am	AE-EE 1002	Estimation of the Reliability using the Inverse Exponential Distribution on N-Cascade System	Bipasa Bimalendu Patra, Madhur Chauhan, Tajinder pal Singh, Manish Mahale, Priyanaka Gajare and Tarun Shrivastava
12.06 pm	AE-EE 1005	Resilient Controller Design for BLDC motor based on Dual-Loop system in Bio-Medical Device	M.Murali, Ajay Kumar Reddy P, Arulmozhiyal R and Velappagari Sekhar
12.18 pm	AE-EE 1013	Sustainable design of lower limb exoskeleton	Sidharth Satish, Arunkumar S, Nikhila Varma J K, Tejaswi Kalimisetty, Nirmal Vinod, Gokul Krishnan
12.30 pm	AE-EE 1016	Implementation of PWM Using RISC-V Processor	Prem Kanjarbhat, Pooja Chandaragi, Uday V Wali
12.42 pm	AE-EE 1061	Reinforcement Learning Driven Smart Charging Algorithms to Enhance Battery Lifespan and Grid Sustainability	S.Sivakumar, Mali Ram Yadav, A.Bharathi, D Akila, Dineshkumar P, V. Krishnaraj

12.54 pm	AE-EE 1069	Efficient High Gain Voltage Converter Design Utilizing ASL & PSC Networks for Low Voltage Renewable Energy Integration	S.Karthikkumar, P.Devendrakumar, R.S.Nadish, P.Shanmathi, Pragaspathy Subramani, Chandrasekaran
01.06 pm	AE-EE 1072	Mathematical modelling and performance study of proton exchange membrane fuel cell	Subhasri Kar, C K Chanda and Sumit Banerjee
01.18 pm	AE-EE 1087	Qualitative Analysis on Impact of Aging on the Electrical Properties of Polymeric Insulators	Jaganmohan Rao Tarra, Venkata Ramana Guntreddi, K.Suneeta, Jami Venkata Suman, Tulasichandra Sekhar Gorripotu and Andhavarapu Kanthi

## Session 7: CS05-OFFLINE#1

Date: 16.05.2024

Time: 03.00 pm to 05.20 pm

**Venue:** Main Seminar Hall, PESITM

### Session Chairs :

1. Dr. Mahantesh P Mattada, Asso Prof / ECE, PES Institute of Engineering & Technology
2. Dr. Vinay S, Professor, CSE, PES College of Engineering, Mandya

**Session Coordinator** : Mrs. Vaani, Dept of ISE, PESITM

Time	Paper ID	Paper Title	Author(s)
03.00 pm	AE-CS 1042	Glaucoma Detection Using Ensemble Techniques with InceptionV3, VGG16 and ResNet50	Puttaraj Kajagar, Ajeet Shyanavad, Anupama P Bidargaddi, Vinod Soddi, Prashant Ibrahimpur, Meena S M
03.13 pm	AE-CS 2036	Kinematic Study of a Novel Active Knee Exoskeleton for Alleviating Crouch Gait in Individuals with Cerebral Palsy	Manish C Poojari, Ranjith Maniyeri, Krishnan Chemmangat and Pushparaj Ameen
03.26 pm	AE-CS 2085	Navigating the Future: Harnessing Artificial Intelligence Generated Content (AIGC)for Enhanced Learning Experiences in Higher Education	Guangyun Lu, Arindam Sarkar, Norriza Binti Hussin
03.39 pm	AE-CS 8084	An Optimal Energy Management to Electricity Distribution System for The Electric Vehicle Charging Stations Using Hybrid Chicken Swarm Genetic Algorithm	Yaxuan Huang, Arindam Sarkar
03.52 pm	AE-CS 3039	Development of predictive model based mobile application for maturity index identification of traditional Indian red bananas	Shuprajhaa. T, Suresh Kumar P, Sekar C, Sheeba K N, Dhayalini K
04.05 pm	AE-CS 4029	Advanced Plant Species Classification with Interclass Similarity using a Fine-Grained Computer Vision Approach	Suchithra, Dhruthi P A, Somashekhar B M, N Shobha Rani and Hong Lin
04.18 pm	AE-CS 4089	Data Pre-Processing Framework for Kannada Vachana Sahitya	Lavanya C. B, H.S. Nagendra Swamy, Pavan Kumar M.P.

04.31 pm	AE-CS 6075	Visionary Insights: CNN-Driven Retinal Vessel Segmentation in Ophthalmic Imaging	Sivagami S, Gopinath M. Yuktha Varshika J, Srivarshinie V, Monikaa R and Senthil K
04.44 pm	AE-CS 7021	A CNN-GA Hybrid Approach for Efficient Analysis of Size and Shape of Nanoparticle	Sushma K S, Argha Sarkar, Gautam Sanyal
04.57 pm	AE-CS 6076	DeepLymphoDetect: Leveraging Deep Learning Techniques for Acute Lymphoblastic Leukemia Detection in Blood Cells	Senthil K, Madhan Kumar R, Vishwa S, Gopinath M, Sakthi S, Yuktha Varshika J
05.10 pm	AE-CS 7064	Transforming Skin Disease Diagnosis through GAN-Powered Classification	Thulasika A, Sharu Jayasri S



## Session 8: CS06- OFFLINE#2

Date: 16.05.2024

Time: 03.00 pm to 05.10 pm

**Venue:** Main Seminar Hall, PESITM

### Session Chairs :

1. Dr. Rudresh S J, Associate Professor/EEE, PES Institute of Engineering & Technology
2. Dr. Venugopal, Prof & HoD, AI&DS, Nitte, Karala

**Session Coordinator** : Mrs Manasa, Dept of EEE, PESITM

Time	Paper ID	Paper Title	Author(s)
03.00 pm	AE-CS 8056	Exploring the Feasibility of Forward Forward Algorithm in Neural Networks	Suraj R Gautham, Swapnil Nair, Suresh Jamadagni, Mridul Khurana, Md. Assadi
03.13 pm	AE-EC 2046	Hybrid Image Encryption for WISN in Privacy Protection and Security of Public Big Data Using Chaotic Maps	Nikhitha Geddada, Aditi Sahu, Suseela G, Jayshnav S, Suchi Arora
03.26 pm	AE-EC 2085	Crash and Helmet Violation Detection System using On-Device YOLOv3 Model	Surya Kumaran S, Rokesh Kumar P and Hemalatha R
03.39 pm	AE-CS 8033	Breast Cancer Diagnosis: Deep Learning Advances in Invasive Ductal Carcinoma Detection	Kolla Bhanu Prakash
03.52 pm	AE-CS 8042	Unleashing Quantum Neural Networks: Solving Parameterized Quantum Circuit Challenges	Kolla Bhanu Prakash
04.05 pm	AE-EC 3084	Hardware Analysis on NVDLA using RESNET50	Mohit Meena, Dhandapani Vaithyanathan, Preeti Verma, Baljit Kaur
04.18 pm	AE-EC 3085	A Comparative Evaluation of Intrusion Detection Systems: ICVAE vs. CVAE	Vipasha Thakur, Dhandapani Vaithyanathan, Preeti Verma, Baljit Kaur

04.31 pm	AE-EE 1094	Effect of LSPWM at Variable & Fixed switching frequency on Cascaded multilevel inverter	Champa P N, Abhay A Deshpande
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## Session 9: CS07-ONLINE

Date: 16.05.2024

Time: 03.00 pm to 05.10 pm

### Session Chairs :

1. Dr. Amit Kumar K, Assistant Professor/ISE, PES Institute of Engineering & Technology
2. Dr. Charan Panem Arur, Asst. Professor / Department of Cyber Security and Digital Forensics, National Forensic Sciences University, Nagaland

**Session Coordinator** : Mr. Naveen, Dept of MBA

**Session Link:** <https://meet.google.com/cyb-hhps-pcz>

Time	Paper ID	Paper Title	Author(s)
03.00 pm	AE-CS 4047	An Efficient License Plate Recognition Model through Deep Learning Integration with YOLO and OCR Techniques	N.Supriya, Dukuru Chiranjevi, Md Imam Khader Shariff, Bodasingi Sowjanya, Venkata Subbaiah Desanamukula and A.Lakshmanarao
03.13 pm	AE-CS 4048	Quantum-Driven Big Data Processing	Devansh Handa, Kindi Krishna Nikhil, S Duvarakanath and Murali K
03.26 pm	AE-CS 4053	A Multi-Class Classification Framework with SMOTE based data Augmentation Technique for Alzheimer's disease Progression	Kaivaram Sivarama Krishna, Bommala Deepak Kumar, Morumpalli Deekshith Reddy, CH Saketh, Gayatri Ramasamy
03.39 pm	AE-CS 4062	Chronic Kidney Disease Prediction Using Machine Learning Algorithms	T. Nagamani,R. Kavya,D. Lavanyaa and S. Miruthula
03.52 pm	AE-CS 4069	Temporal Threat Recognition in Supply Chains: Integrating Hidden Markov Models for Proactive Security with AI-Driven Automated Threat Hunting	Ketan Rathor, Dhananjayamurthy BV, Abdul Jaleel D, Subharun Pal, Bhavani P, Neerav Nishant
04.05 pm	AE-CS 4074	SolaceNet - Anonymity Ensured Online Therapy Platform for Overcoming Barriers in Mental Health Assistance	Mrs. B. Usha Sri, Vigneshwar Dasoju, G. J. Avinash, Hemanth kumar kokutam and Hemanth kumar kokutam
04.18 pm	AE-CS 4076	Using Fundus Photography for Early Glaucoma Diagnosis by VGG-16 Architecture	G Ashwin, Pathakottu Chenna Reddy, S Nagadevi

04.31 pm	AE-CS 4078	Detection of Alzheimer's Disorder using Efficient Deep Learning Techniques	Angeline Pearl G P, J. Anitha and Sujitha Juliet
04.44 pm	AE-CS 4079	Cloud-Driven Collaborative Filtering and Waiter Robots Transforming Customer Experiences in Restaurants	V. Prasanna Srinivasan, N. Mohankumar, T. Prabakaran, A. Sairam, A. Sairam and S. Velmurugan
04.57 pm	AE-CS 4088	Enhanced radiological anomaly detection using optimized YOLO-NAS model	Leka Shree J, Emmanuel Joy and Sri Ram M S

## Session 10: CS08-ONLINE

Date: 16.05.2024

Time: 03.00 pm to 05.10 pm

**Session Chairs** :

1. Dr. Pramod, Associate Professor/CSD, PES Institute of Engineering & Technology
2. Dr. D .Loganathan, Prof, CSE, Cambridge Institute of Technology, Bangalore

**Session Coordinator** : Dr. Kiran, Dept of ME, PESITM

**Session Link:** <https://meet.google.com/ujc-rzau-jmf>

Time	Paper ID	Paper Title	Author(s)
03.00 pm	AE-CS 5014	Advancing Multiclass Emotion Recognition with CNN-RNN Architecture and Illuminating Module for Real-time Precision using Facial Expressions	Simrith C Prince, Nirmal Varghese Babu
03.13 pm	AE-CS 5022	Synergy of Human Language Processing and Artificial Intelligence	V. Vanitha, A. Stephan Antony Raj, D. Vinodhini, L. Gnanaprasanambikai, L. Gnanaprasanambikai and S. Renukadevi
03.26 pm	AE-CS 5029	An Improved Deep Forest Classification and Intelligent Segmentation for skin Cancer prediction Technique Inspired by Whale Optimization	Siva Prasad Reddy K .V and S. Meera
03.39 pm	AE-CS 5035	Investigation of Handwritten Image-To-Speech Using Deep Learning	Manju S , Anitha J and Sujitha Juliet D
03.52 pm	AE-CS 5036	Complementary Dynamics of Global and Local Centrality for Influence Maximization in Social Networks	Rajesh Kumar Yadav, Aaryan Arora, Aayush Patel and Aditya Gupta
04.05 pm	AE-CS 5051	Improved Security of Network Clock Synchronization in Wireless Sensor Networks	B Venkat Vinod Kumar, Dwarapu Subham, Gokul Gopakumar, K Murali
04.18 pm	AE-CS 5056	Embrace Ease- Your Personal Oasis in Virtual Landscape	Chidirala Rashmitha Sai, Donthula Panishta, Enugala Hari Krishna Reddy, Enugala Hari Krishna Reddy and CH Madhubabu

04.31 pm	AE-CS 5060	Predicting Financial Market Movements through Time Series Analysis and Advanced Machine Learning Algorithms	B Amarnath Reddy, S. Prabagar, Nitin Thapliyal, S.Vasuki, Meena Sachdeva, A.Shobana
04.44 pm	AE-CS 5061	A one-time Encryption Consensus Algorithm Based on (t, n) Threshold Secret Sharing	Fanchang, Amit Yadav, Asif Khan
04.57 pm	AE-CS 5062	Storage and Querying of Spatiotemporal Data in Blockchain	Fanchang, Amit Yadav, Asif Khan

## Session 11: CS09-ONLINE

Date: 16.05.2024

Time: 03.00 pm to 05.10 pm

### Session Chairs :

1. Dr. Sanjay K S, Associate Professor / MCA, PES Institute of Engineering & Technology
2. Dr. Neha Gupta, Associate Professor / CSE, Symbiosis University of Applied Sciences, INDORE

**Session Coordinator** : Mr. Kiran G R, Dept of EEE, PESITM

**Session Link:** <https://meet.google.com/jmo-fktd-eyj>

Time	Paper ID	Paper Title	Author(s)
03.00 pm	AE-CS 5063	An Object Detection Framework and Deep Learning Models Used to Detect the Potholes on the Streets	Gadiraju Mahesh, R. Shiva Shankar, V V R Maheswara Rao and Silpa N
03.13 pm	AE-CS 5071	Enhancing Solar PV Deployment: Land Suitability Assessment and Site Selection using AHP	Blessy Tryphena, Priyadharsini.C and J.Vidhya
03.26 pm	AE-CS 5072	Investigation of Grey Wolf Algorithm for solving Heterogeneous Unmanned Aerial Vehicle task assignment problem	Praiszy Mizpah Julia Bestus, Titus Issac, J. Sebastian Terence, T. D. Subash
03.39 pm	AE-CS 5075	Enhancement of Photovoltaic Dust Detection using Deep Learning Technique	R. Lillian Gracia, Priyadharsini, CB.Elizabeth Caroline
03.52 pm	AE-CS 5080	A Crypto - Steganography Schema optimization for Cooperating Safe medical information Data transmission	Marwa Mahdi Kareem, Adnan Hussein Ali, Bayan Mahdi Sabbar, Raed Khalid Ibrahim, Mohammed Mahdi Hashim, Mohannad Jabbar Mnati
04.05 pm	AE-CS 5087	Exploring Deep Learning Techniques for Automated Cataract Detection in Digital Camera Imagery	Sujatha Kamepalli, Veeranjaneyulu N and Jyostna Devi Bodapati
04.18 pm	AE-CS 5089	Improving Performance of Vision Transformer on Skin Lesion Detection Leveraging Domain Associated Transfer Learning	Abdullah Hasan Sajjad Rafi , Arkadeep Das and Md Tanzim Reza

04.31 pm	AE-CS 5097	Enhancing the spatial resolution of aerial images using a deep generative approach with multi-stage residual refinement	Shree Hari B, Emmanuel Joy and Jenice Aroma
04.44 pm	AE-CS 6003	Augmented Reality for Public Engagement in Sustainable City Planning: Cloud and Machine Learning Integration	R. Sabitha, Gowriswari S, Yuvaraj S, Gayathri Devi M, R. Babujia and S. Murugan
04.57 pm	AE-CS 6007	In-Car Breathalyzer Systems for Enhanced Road Safety through SVM Classification and IoT Connectivity	Vaibhav Sonule and Ramakrishnan Raman



## Session 12: CS10-ONLINE

Date: 16.05.2024

Time: 03.00 pm to 05.10 pm

### Session Chairs :

1. Dr. Lokanna, Associate Professor / CSDS, PES Institute of Engineering & Technology
2. Dr Manoj Kumar M V, Assoc. Prof., Nitte Meenakshi, Bangalore

**Session Coordinator** : Mr. Shivanand, Dept of CSE, PESITM

**Session Link:** <https://meet.google.com/cvi-dmhc-ufv>

Time	Paper ID	Paper Title	Author(s)
03.00 pm	AE-CS 6009	Multilevel Marketing Empowers Indian Youths in Fashion and Apparel Career Development	Jijith NK and Ramakrishnan Raman
03.13 pm	AE-CS 6010	Cognitive Computing Stress Analysis in Aging Populations using Cloud-Connected SVM Classifier Solution with Raspberry Pi	Ramakrishnan Raman and Akshra Mehla
03.26 pm	AE-CS 6013	Intelligent Intrusion Detection System	Albert Mayan J, Rohit Kumar S, Sriram V, Mary Posonia A, Cruz Antony J
03.39 pm	AE-CS 6025	Predicting Disease Risk With Machine Learning: A Comparative Study of Classification Algorithms	Ajit Kumar Rout, Abhisek Sethy, V Vasudha Rani
03.52 pm	AE-CS 6029	Advancing Alzheimer's Diagnosis through Transfer Learning with Deep MRI Analysis	Adityasai B, Nirmal Varghese Babu
04.05 pm	AE-CS 6038	Segmentation of Neural Cells by Instance Using Deep Learning Methods	V. Ramya,V. Ramya,K. Varun,M. J. V. S. A. Satya Dev,T. Sai Charan and V. Anusha
04.18 pm	AE-CS 6045	Nemeth Braille Mathematical Code Recognition using Deep Learning Techniques	P Jeba Malar, Kumudha Raimond and S Deepa Kanmani

04.31 pm	AE-CS 6047	A Novice Approach to Efficient Lip Reading	Vikas Kamra, Yash Deo, Dhruv Kalra, Kritika Singh and Shubham Kulshrestha
04.44 pm	AE-CS 6051	An Improved KNN Algorithm to identify Parkinson's disease on voice ailment	N S Sukanya, Shinty P K
04.57 pm	AE-CS 6059	Diagnosify: Multidisease Forecast - An Integrated Machine Learning Approach for Disease Prediction and Early Intervention in Healthcare	Prayag Rajwade, Suchitra Pratap Singh and Rupinder Kaur
05.10 pm	AE-CS 7070	Detecting Cyberbullying through social media: A Deep Learning Approach	Padmaja Kadiri, Arjun U, N.Sravani, N.Siva Jyothi, P.Mahesh and S.Jayanth Naik

### Session 13: EC02-ONLINE

Date: 16.05.2024

Time: 03.00 pm to 05.10 pm

#### Session Chairs :

1. Dr. Narayana Swamy G, Associate Professor / ECE, PES Institute of Engg. & Technology
2. Dr. Narayan S. Vetreker, Asst. Professor/Electronics, Goa University, Goa

**Session Coordinator** : Mr.Madesh, Dept of ISE, PESITM

**Session Link:** <https://meet.google.com/xvy-tcwj-azu>

Time	Paper ID	Paper Title	Author(s)
03.00 pm	AE-EC 1052	Prediction Of Neurological Recover After Cardiac Arrest Using Deep Learning	Swapnil Makwana, V L Jaganath Sai, S Sethu Madhav, Tatiparti Padma
03.13 pm	AE-EC 1066	Strategies for Optimizing Underwater Optical Wireless Communication via Encoding and Detection Techniques	Akhila Dokala, Virinchi Daram, Lasya Sree Yannam, Vijayasankar Anumala
03.26 pm	AE-EC 1071	Adaptive Thermal Clothing with IoT and Random Forest Regression for Dynamic Outdoor Comfort	S. Srinivasan,V. Sridevi,K. Saravanan, S. Murugan,C. Srinivasan and M. Muthulekshmi
03.39 pm	AE-EC 1072	Data-Driven Recycling Transformation for Enhancing Paper and Cardboard Bin Efficiency through IoT and Random Forest	S. Srinivasan, R. Swathy , V. Srividhya, S. Murugan,C. Srinivasan and M. Muthulekshmi
03.52 pm	AE-EC 1078	Multi-Symbol Detection of QPSK Signal in Noisy Channel	Kilari Veera Swamy, Vadla Pavan Kumar, Yeggina Nihanth Gandhi Naidu and Bobbala Prakash Reddy
04.05 pm	AE-EC 1080	Factory Floor Transformation for Achieving Operational Excellence with IoT and Machine Learning	T. J. Nagalakshmi,P. Santhuja, J. Rangarajan,S. Muthukumarasamy,N. Mohankumar and S. Velmurugan
04.18 pm	AE-EC 1081	Enhanced Water Security and Resilience in Drought-Prone Zones with IoT and SVM classifier for Early Warning Systems	P.Anandan, V. Saillaja, Rajesh Kambattan Kovarasan, P. Padmaloshani, Ishwarya M.V and M. Rajmohan

04.31 pm	AE-EC 1084	Multi modal EEG-Based Classification of Alzheimer's Disease and Mild Cognitive Impairment Using Hilbert Huang Transform	Dr. G. Gopu, S. Sathish, T. S. Shanmathan, G. Suthakar, Dr. N. Sivakumaran and Dr. M S Geetha Devasena
04.44 pm	AE-EC 1085	Gesture Controlled 6 DoF Manipulator with Custom Gripper for Pick and Place Operation using ROS2 framework	Sumukha B, Asha C S
04.57 pm	AE-EC 1092	Optimising Intrusion Detection through Long Short-Term Memory Model	Anjali Tharun, Amogh Srivathsa Kondapalli and Prabakeran S

## Session 13A: CS14-ONLINE

Date: 16.05.2024

Time: 03.00 pm to 05.20 pm

**Session Chairs** :

1. Dr. Vishnu V M, Associate Professor /ECE, PES Institute of Engineering & Technology
2. Dr. Vishnu Srinivasamurthy, Assoc Prof, MIT, Bangalore

**Session Coordinator** : Mrs Srilakshmi, Dept of ECE, PESITM

**Session Link:** <https://meet.google.com/wwd-afjg-tsd>

Time	Paper ID	Paper Title	Author(s)
03.00 pm	AE-CS 2064	Effective Image Reconstruction using Various Compressed Sensing Techniques	Mamidipaka Hema, R.Gurunadha, Jami Venkata Suman and Madhavi Mallam
03.13 pm	AE-CS 2088	Big Data: An Essential Route for Creating New Business Prospects	N. Saibabu, Mohanababu Chappa, N.Chaitanya, Saumendra Das, Agatamudi Lakshmana Rao and Madhavi Mallam
03.26 pm	AE-CS 8058	Machine Learning-Based Cellular Automata Model and Frame Work for Tsunami Wave Propagation in Indian Coastal Region	Syed Mohamed E, Chithirai Pon Selvan M
03.39 pm	AE-EC 1065	Fuzzy-Differential Coevolution for Many Objective Optimization	Selina Khoirom and Pratyusha Rakshit
03.52 pm	AE-EC 2036	Markov Model based Treatment Path Prediction of Patients with Severe Mental Disorder	Shambhab Chaki, Pratyusha Rakshit, Sayantani Das
04.05 pm	AE-EC 1026	Characterization and Modeling of Gate-All-Around FET (GAA FET) for Low-Power and High-Performance Applications	G. Reddy Hemantha, Aenikapati Swetha Priya, Jami Venkata Suman, T.V.Janardhana Rao, G.M.Anitha Priyadarshini and Madhavi Mallam

04.18 pm	AE-EC 2056	A Scope of Convex Optimization in Path Planning of Robot in Constrained Space	Mitali Sil, Pratyusha Rakshit, Sayan Chatterjee
04.31 pm	AE-EE 1012	Design and Management of an Integrated Solar-Wind Conversion System Using DFIG	K. Ramalingeswara Prasad, S. Vijaya Madhavi, A.V.Satyanarayana, Madhavi Mallam, J.Sivavara Prasad and Jami Venkata Suman
04.44 pm	AE-CS 1057	Rule-based Sentiment Analysis for Twitter(X) Data	Guru Prasad M S, Praveen Gujjar J, Prasanna Kumar H R, Afsar Jahan, Vinay S K, Aryan Dahiya
04.57 pm	AE-CS 8016	Automated Detection and Classification of Cotton Leaf Diseases: A Computer Vision Approach	Swastick Ganguly, Jathin S, Mohak M, Sanjay M, Somashekhar BM and N Shobharani
05.10 pm	AE-EC 3065	Palm Vein Detection Based on Deep Learning	Kalaimathi Bathirappan, Alamelu alias Rajasree S, Kowsalya.M, Shimona S and Subashri N R

### Session 14: EC03 - OFFLINE#3

Date: 17.05.2024

Time: 10.30 am to 12.30 pm

**Venue:** Main Seminar Hall, PESITM

#### Session Chairs :

1. Dr. Madhavi Mallam, Professor & Head, ECE, PES Institute of Engineering & Technology
2. Mrs. Ashwini Holla, Associate Professor, Canara College of Engineering

#### Session Coordinators :

1. Mrs Manasa, Dept of EEE, PES Institute of Engineering & Technology
2. Dr Ashok, Dept of ME, PES Institute of Engineering & Technology

Time	Paper ID	Paper Title	Author(s)
10.30 am	AE-EC 1089	Transradial Prosthesis-Development of a Bionic arm using an EEG sensor	Rakshith V, Pranav Adiga, Sanketh Chebbi, Sai Preetham R.V and D Sethuram
10.42 am	AE-EC 3076	Document verification using Blockchain	Goswami, Dhandapani Vaithyanathan, Preeti Verma, Baljit Kaur
10.54 am	AE-EC 3080	IoT-Based Fingerprint Attendance System: Enhancing Efficiency and Security in Educational and Organizational Settings	Emmanuel Rahkoyo, Sonam Yangdol, Baljit Kaur, Dhandapani Vaithyanathan, Preeti Verma
11.06 am	AE-EC 3081	Performance Analysis of Multiplier with Different Bits Size for MAC unit	Anuraj V, Dhandapani Vaithyanathan
11.18 am	AE-EC 3082	An Automated Machine Learning Approach for Detecting Chronic Ischemic Heart Disease	Sudhanshu Jha, Dhandapani Vaithyanathan, Preeti Verma, Baljit Kaur
11.30 am	AE-EE 1029	Design and Analysis of a Miniaturized Vortex Induced Wind Turbine	Prajwal KT, Tejkumar K Makanur, Pradeep, Manjula M, Varun Gowda S and K Manickavasagam

11.42 am	AE-EE 1083	Mitigating Power Losses in Distribution Systems: Integrating EV Charging Stations and Renewable Energy Sources	Chodagam Srinivas, Shaik Ayesha, Shaik Ahammad, T S Rahamath Ali, Thoti Sowjanya, Y Mohan Krishna
11.54 am	AE-EE 1099	Optimal microgrid structure with renewable distributed generators and electric vehicles utilizing hybrid Fuzzy-Puzzle Optimization Algorithm	S. Thiruvankadam, J. Raju, In-Ho Ra
12.06 pm	AE-CS 8073	A Machine Vision Approach for Defect Inspection of Vials	Vishwanatha C R and Asha



## Session 15: CS11-ONLINE

Date: 17.05.2024

Time: 10.00 am to 12.00 noon

**Session Chairs** :

1. Dr. Amit Kumar K, Assistant Professor/ISE, PES Institute of Engineering & Technology
2. Dr. Manjunath Kotari, Professor, CSE, AIET, Moodbidri

**Session Coordinator** : Mr Arjun, Dept of MBA, PESITM

**Session Link:** <https://meet.google.com/gun-wjkh-hfr>

Time	Paper ID	Paper Title	Author(s)
10.00 am	AE-CS 6068	Dynamic Inventory Object Detection using YOLOv8 Deep Learning model	Vijeya Sarathe K RA, G. Jasper W Kathrine and S. Salaja
10.12 am	AE-CS 6069	Deep Learning Paradigms for Enhanced Diabetic Retinopathy Detection: An In-Depth Analysis of CNN-Based Techniques and Clinical Utility	Ajay Saini, Akshat Shrivastava, Pramod Kumar Sharma, Ankit Rajput, Gourav Jain, Hardik
10.24 am	AE-CS 6070	Machine Learning based Hybrid System for Rainfall Prediction and Crop Recommendation	Yenumala Joseph Praveen, Deva Priya Isravel, Julia Punitha Malar Dhas and Gannamani Deepthi
10.36 am	AE-CS 6071	Optimizing Resource Allocation in Two-Section Hypergraphs: A Maximal Flow Analysis Approach	Indu S and Manjusha R
10.48 am	AE-CS 6074	Blockchain – Driven Health Record Storage and Disease Prediction Using Machine Learning	Ramadayaal G K, Sneha D, Thanesh Kumar P, Vandhana J, Priya V
11.00 am	AE-CS 6079	Oral Cancer using Deep learning and Auto-Fluorescence Image Analysis	Muhammed Yaseer P, Arul Xavier V M and Shyni S S
11.12 am	AE-CS 6084	Deep Learning Analysis of COVID-19 Lung Infections in CT Scans	Syeda Sadia Alam, Ahmed Selim Anwar, Montaser Abdul Quader, Mozdaher Abdul Quader, Fateha Jannat Ayrin, Vishwanath Akuthota

11.24 am	AE-CS 6086	An Accurate Ensemble Machine Learning Model with Precision Engineering for Chronic Coronary Artery Disease Prognosis	Lovepreet Singh Nagra, Sarthak Thapa, Parvez Rahi, Tejus Sharma, Harshil Ashok and Vishal Pathania
11.36 am	AE-CS 6089	BiLSTM Models with and without Pretrained Embeddings and BERT on German Patient Reviews	Prosenjit Roy, Md Jahid Alam Riad, Lija Akter , Nobanul Hasan and Mahfuzur Rahman Shuvo
11.48 am	AE-CS 6092	TeenSenti - A novel approach for sentiment analysis of short words and slangs	Sahil Kamath, Vaishnavi Padiya, Sonia D'Silva, Nilesh Patil and Meera Narvekar

## Session 16: CS12-ONLINE

Date: 17.05.2024

Time: 10.00 am to 12.00 noon

### Session Chairs :

1. Dr. Pramod, Associate Professor/CSD, PES Institute of Engineering & Technology
2. Dr. U C Niranjan, Director Research & Training, Manipal Dot Net

**Session Coordinator** : Mr Praveen, Dept of ME, PESITM

**Session Link:** <https://meet.google.com/xqo-zagj-dsh>

Time	Paper ID	Paper Title	Author(s)
10.00 am	AE-CS 6098	Evaluating the Influence of Text Representation techniques on Diverse Machine Learning Algorithms for Stress Detection in Social media users	Khushali Deulkar, Meera Narvekar, Priya Gandhi, Dhruv Gada and Sahil Kamath
10.12 am	AE-CS 7018	Graph-Theoretic Insights into Birth Rate Trends: Exploring Platt number in constructed Signed Network	Anakha Ajikumar and Sarika S.G
10.24 am	AE-CS 7025	Enhancing IoT Security: Federated Learning with Autoencoder Model for IoT Attacks Detection	Rabiya Majeed, A L Sangal
10.36 am	AE-CS 7053	An Extended Moore-Neighbour Tracing Algorithm for Ear Segmentation in a Multi-feature Ear Recognition System	Adeniyi Jide Kehinde, Adeniyi Abidemi Emmanuel, Awotunde Joseph Bamidele, Olarenwaju Ahmed, Biswajit Brahma, Hemanta Kumar Bhuyan
10.48 am	AE-CS 7058	Parkinson's Disease Diagnosis using Neutral Matrix and Machine Learning	Priyanshu Grover, Suryaveer Singh Kadyan and Deeban Chakravarthy
11.00 am	AE-CS 7080	CNN based model for Underwater Image Classification and Enhancement	Sahit Jamandlamudi, Deva Priya Isravel and Julia Punitha Malar Dhas
11.12 am	AE-CS 7097	Enhancing Robustness in Audio Visual Speech Recognition: A preprocessing approach with Transformer and CTC Loss	Bharath N V Ithal, Lagan T G, Rhea Sudheer, Swathi Rupali N V, Mamatha H R

11.24 am	AE-CS 7099	The Integrated Infrared Multifunctional Detection and Tracking System for COVID-19 Protection	Husna Sultana, Shivani, Rajesh Kumar Singh and Prakash B R
11.36 am	AE-CS 8010	Improving Train Safety: Computer Vision-Based Error Detection for Precise Upkeep	Pothreddypally Jhansi Devi, Parava Sathvika Reddy, Mandala Dharani, Rahul Mandapati and Pasunuri Soumith Reddy
11.48 am	AE-CS 8022	Sequential CNN Model for Hemorrhage Prediction Using Brain CT images	Shikha Prasher, Leema Nelson, Deepak Arumugam

## Session 17: CS13-ONLINE

Date: 17.05.2024

Time: 10.00 am to 12.00 noon

### Session Chairs :

1. Dr. Sanjay K S, Associate Professor / MCA, PES Institute of Engineering & Technology
2. Dr. S. Thiruvengatam, Professor, VIT Univerisity, Vellore

**Session Coordinator** : Mr Darshan, Dept of ECE, PESITM

**Session Link:** <https://meet.google.com/cec-bfcz-mas>

Time	Paper ID	Paper Title	Author(s)
10.00 am	AE-CS 8028	Intelligent Material Extrusion Defect Prediction:CNN-SVM Integration	Savita Rawat, Deepak Banerjee, Priyanshi Aggarwal, Mukesh Singh
10.12 am	AE-CS 8029	CNN and Random Forest Fusion for Enhanced Steel Defect Classification	Savita Rawat, Deepak Banerjee, Priyanshi Aggarwal, Mukesh Singh
10.24 am	AE-CS 8030	Enhanced Prediction of Semiconductor Wafer Defects through CNN Forest Fusion and Random Methods for Improved Efficiency	Savita Rawat, Deepak Banerjee, Amit Gupta, Vijay Singh
10.36 am	AE-CS 8046	A Scrutiny of Machine Learning Methods for the Detection and Identification of Cyber Intrusion	Rama Krishna Eluri, Karunakumar. Valicharla, Modalavalasa Divya and K.B.Anusha
10.48 am	AE-CS 8054	Enhanced Text Summarization through Hybrid Integration of RoBERTa, T5, and Pegasus Models	Sameera Datta Myla, Ravinder Saini and Nitika Kapoor
11.00 am	AE-CS 8065	Comparative Analysis on Generation of Image Captions Based on Deep Learning Models	Dakshnakumar G S, T Jemima Jebaseeli
11.12 am	AE-CS 8067	VGG-16 based Deep Learning Approach for Plant Species Detection	Bandi Praveen, Deva Priya Isravel and Julia Punitha Malar Dhas

11.24 am	AE-CS 8075	Streamlining Load Scheduling in Cloud Computing: A Thorough Performance Assessment and Development of Effective Methods for Design	Kavitha M S, Ramachandra Rao G, S.Karthik
11.36 am	AE-CS 8076	Improving Network Security Using Intelligent Ensemble Techniques: An Integrated System for Detecting and Managing Intrusions in Computer Networks	Sai Srinivas Vellela, Nagagopi Raju Vullum, T Raju, Thalakola Syamsundara Rao, Sowjanya, Roja D
11.48 am	AE-CS 8081	A Significant Regional Examination on CNN-based Network for Brain Tumor Detection and Identification	G.Saranya, Tirumala Rao S.N, T. Chalapathi Rao, S.Vishnu Murthy

## Session 18: EC04-ONLINE

Date: 17.05.2024

Time: 10.00 am to 12.00 noon

### Session Chairs :

1. Dr. Mahantesh P Mattada, Asso Prof / ECE, PES Institute of Engineering & Technology
2. Dr. J.Raju, Asst. Professor, VIT University, Vellore

**Session Coordinator** : Mr Sunil, Dept of CV, PESITM

**Session Link:** <https://meet.google.com/qed-sczo-gnj>

Time	Paper ID	Paper Title	Author(s)
10.00 am	AE-EC 2004	Based On Static And Dynamic:Fuzzy Logic-Based Clustering Optimization For Wireless Sensor Networks	Adnan Hussein Ali, Marwa Mahdi Kareem, Bayan Mahdi Sabbar, Hind Q. Mohammad Monir, Raed Khalid Ibrahim, Mohannad Jabbar Mnati
10.12 am	AE-EC 2008	Deep Learning based Classification approach to improve breast Cancer Screening using Histopathological Images	Akshaya K, Anupama Bhan and Sumaiya Pathan
10.24 am	AE-EC 2025	Bridge Inspection using Image Enhancement and Machine Learning	Kilari Veera Swamy, Polu Manohar Reddy, H Urmila and A Navya Sri
10.36 am	AE-EC 2029	FPGA Implementation of Light Weight Cryptography using Extreme Low Power Reversible Dual Edge Triggered D Flip Flop	Sandra S and Sreenidhi Prabha Rajeev
10.48 am	AE-EC 2030	Design of Low cost Multi-band Microstrip Antenna Array for 5G/Wi-Fi/C-band/X-band Applications	Gaurav Sen and Kuldip Kumar
11.00 am	AE-EC 2031	A PSO based efficient PAPR reduction technique for OFDM systems	Nikhil Abraham George and Sudhir Kumar Mishra

11.12 am	AE-EC 2050	Leveraging Approximate Computing Techniques in 5:2 Compressors for Enhanced Energy Efficiency	R. Phani Vidyadhar, Uttarala Suhas, Pulimamidi Heamanth, Santhosh boosani
11.24 am	AE-EC 2080	AlexNet Architecture for Classifying of Magnetic Resonance Imaging Scans of the Brain	S. Dhanalakshmi and S. Arulselvi
11.36 am	AE-EC 2082	Quantum Generative Adversarial Networks For Image De-Noising	Sai Kiran Guntupalli, Mounika Nagipogu, Yeshwanth Talla, Kiran Mannem
11.48 am	AE-EC 2086	D Implementation Of Level Shifters Using Logic Error Detection	S. Karunakaran, N.Nikhilesh, V.Nithesh and Kaustubh Singh



## Session 19: EC05-ONLINE

Date: 17.05.2024

Time: 10.00 am to 11.25 am

### Session Chairs :

1. Dr. Vishnu V M, Associate Professor /ECE, PES Institute of Engineering & Technology
2. Dr. S.K.Maikandan, Asst. Professor/BME, VCET, Erode

**Session Coordinator** : Mr Raghavendra K, Dept of CSE, PESITM

**Session Link:** <https://meet.google.com/kug-bxbg-vga>

Time	Paper ID	Paper Title	Author(s)
10.00 am	AE-EC 2093	Study and Analysis of Electrode, Electrolyte and Skin Interface with Emphasis on Overall Magnitude of Impedance	Dhruba Jyoti Bora, Syed Sabiha, Bandi Renuka, Mandapalli Reddy
10.12 am	AE-EC 3000	IoT's Impact on Personal Devices and Health: Wearable Technology	Shwetha D and Swetha
10.24 am	AE-EC 3029	Voice-Controlled Object Pick and Place for Collaborative Robots Employing the ROS2 Framework	Asha C S, Jeane Marina D'Souza
10.36 am	AE-EC 3051	Y-Patch MIMO Antenna Design for Dual-Band Wireless Applications	N. Siva Naga Malleswari, Vanka Saritha, Somineni Archana, Bhairavabhotla Krishna Deep and Inampudi Mohith
10.48 am	AE-EC 3052	Hybrid Deep Learning Models for Hand Gesture Recognition with EMG Signals	Neenu R and Geevarghese Titus
11.00 am	AE-EC 3063	Cardiac Pulse Monitoring through Multi-Scale Spectrum	Pranav Yadav, Mudit Choubisa, Anuj Shukla, R. Radhika
11.12 am	AE-EC 3072	Meander Line Antenna with Enhanced Bandwidth for Wearable IoT Devices	Sarika Nair, Venkata Satya Sai Ramana Dasari, Jaya Santosh Kumar Appikonda, Naga Venkata Kanaka Vasudha Devanaboyina, Venkata Praveen Varma Ainampudi

11.24 am	AE-CS 8055	Classification of Lung Disease from Chest X-ray Images using Convolutional Neural Networks	Tanu Dhiman, Puneet Kumar
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## Session 20: EC06-ONLINE

Date: 17.05.2024

Time: 10.00 am to 12.20 pm

### Session Chairs :

1. Dr. Narayana Swamy G, Associate Professor / ECE, PES Institute of Engg. & Technology
2. Dr. J. Jaffino, Assistant Professor, Professor/Electronics Engineering,  
Vellore Institute of Technology, Vellore

**Session Coordinator** : Mr Rudresh, Dept of ISE, PESITM

**Session Link:** <https://meet.google.com/zce-caxy-rtf>

Time	Paper ID	Paper Title	Author(s)
10.00 am	AE-EC 1024	Investigate AlN/GaN HEMT performance for future RF and high voltage switching applications	Ramkumar Natarajan, P.Murugapandiyam, Sivamani Chinnaswamy, N.Vigneshwari
10.12 am	AE-EC 1073	Comparative Study on Breakdown Voltage phenomenon in Air Insulated System with and without Spacers	Jouhar.C, B. Rajesh Kamath
10.24 am	AE-EC 3032	Exploring the Influence of Temperature on the Photovoltaic Characteristics of Perovskite Solar Cells Based on $\text{CH}_3\text{NH}_3\text{PbI}_3$	Savita Rawat, Jaya Madan
10.36 am	AE-EC 3033	Enhancing Photovoltaic Efficiency in $\text{CH}_3\text{NH}_3\text{PbI}_3$ -based Perovskite Solar Cells through Defect Density Control	Savita Rawat, Jaya Madan
10.48 am	AE-EC 3034	Optimization of $\text{CH}_3\text{NH}_3\text{PbI}_3$ -Based Solar Cells Through Absorber Layer Thickness Variation in Perovskite Photovoltaics	Savita Rawat, Jaya Madan
11.00 am	AE-CS 4035	Efficient Application Deployment: GitOps for Faster and Secure CI/CD Cycles	Saikiran Reddy J , Durga Prashanth Padal S , Albert Mayan J , Catharine A, J. Jeslin Shanthamalar
11.12 am	AE-CS 4046	Masking of Colposcopy Images- A new approach	Priyadarshini Chatterjee, Surajit Das and Shadab Siddiqui

11.24 am	AE-CS 9002	Development and Implementation of a Novel Hybrid Stemmer for Punjabi NLP: Integrating Rule-Based and Dictionary-Based Algorithms	Gurpej Singh, Rahul Bhandari, Prabhdeep Singh
11.36 am	AE-CS 3064	Development of IoT based Smart campus using STM32	Leo Raju, Santhosh G S, Thirunavukkarasu K
11.48 am	AE-EE 1074	Advanced Building Energy Management using IOT	Leo Raju, Thirunavukkarasu K, Prathyumn M, Santhosh G S, Sasikaran K.S.
12.10 pm	AE-EE 1084	Investigations on Maximum Power Extraction Modern Techniques in Solar Array through Bypass Diode Scanning Approach	Itisha Singh, J. P. Pandey, Chitranjan Gaur, Shweta Singh, Virendra Kumar Maurya