

## NKCon-2024 Schedule

Session-1		Track- 1 Communication and Signal Processing Track- 5 Computing Devices and Circuits	Date:21/09/2024 Time:4 p.m. to 6 p.m.		Session coordinator: Prof. Sunita Tambakad Contact No:9900489841
Sl.No	CMT Paper ID	Title of the Article	Corresponding Author Name	Corresponding Author Organization	Mode of Presentation
1	112	Fabrication And Characterization Of ZnO/WO3 Bi-Layer Structure Using RF Sputtering For Gas Sensing Application	Nandan N	Nitte Meenakshi Institute of Technology	Online Mode
2	182	Aquastream Integrated Communication System	Yashvardan M	Atria institute of technology Bangalore	Online Mode
3	243	A Personalized Visual Communication App for Children with Autism	Ronak Agrawal	Amrita Vishwa Vidyapeetham	Online Mode
4	54	V2X Credential Management System Comparison Based on IEEE 1609.2.1 and ETSI TS 102 941	Abel C. H. Chen	Chunghwa Telecom Laboratories	Online Mode
5	170	Validation of ARM Processor Instructions using Deterministic Finite Automata	Dharshan J Y	Amrita Vishwa Vidyapeetham	Online Mode
6	498	Internet of Things and Cloud Assisted LoRaWAN Enabled Real-Time Water Quality Monitoring Framework for Urban and Metropolitan Cities	Aravind Nuthalapati	Microsoft.	Online Mode
7	537	Mitigating SAT Attack in IPs through Modified Weighted Logic Locking	ALJO E T	Amrita Viswa vidyapeetham, Coimbatore	Online Mode
Session-2		Track 2: Power Electronics and Control Systems Track 7: Electric Vehicle and Grid Integration	Date:21/09/2024 Time:4 p.m. to 6 p.m.		Session coordinator: Prof. Vasudha M. Bonal Contact No:9480492211
Sl.No	CMT Paper ID	Title of the Article	Corresponding Author Name	Corresponding Author Organization	Mode of Presentation
1	166	Comparative Analysis of Perovskite, Optical Concentrator, and Conventional Silicon Solar Panels with Robotic Integration for Enhanced STEM Learning	J V Alamelu and Neelay Unde	M S Ramaiah Institute of Technology	Online Mode

2	629	Design and Optimization of a Low power and High-Speed Circuit using 45nm and 180nm MOSFETs with Variable Voltage Source	Vanishree D V	REVA University	Online Mode
3	134	Sparkling Solar: Revitalizing PV Power Plants with IoT-Driven Cleaning Frameworks	Ashwini Kumari P	REVA UNIVERSITY	Online Mode
4	529	Advancements in Battery Technology for Electric Vehicles: Integrating Machine Learning for Enhanced Performance	Ankita Parida	Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology	Online Mode
5	708	Optimizing EV Charging Stations and Capacitors with the Cuckoo Search Algorithm for Reduced Energy Loss in Distribution Networks	B. VINOD KUMAR	National Institute of Technology Tiruchirappalli	Online Mode
6	802	Charging System and Battery Management System for Electric Vehicle Applications	Sonu Kumar	Medi-Caps University, Indore	Online Mode
7	506	Image Processing Detection System For Vehicle Overspeed	Dr. Gayatri D. Londhe	Dr. D.Y. Patil Institute of Technology, Pimpri, Pune	Online Mode
<b>Session-3</b>		<b>Track 4: Artificial Intelligence and Machine Learning</b>	<b>Date:21/09/2024 Time:4 p.m. to 6 p.m.</b>		<b>Session coordinator: Prof. Siddaling S. Hiremath Contact No:8867348752</b>
<b>Sl.No</b>	<b>CMT Paper ID</b>	<b>Title of the Article</b>	<b>Corresponding Author Name</b>	<b>Corresponding Author Organization</b>	<b>Mode of Presentation</b>
1	133	Detection of Grape Leaf Disease Using Deep Learning	Jothika.R	Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College	Online Mode
2	172	Machine Learning-Based Security for Cloud Computing Challenges and Implications	Rahul Dattangire	Publicis Sapient	Online Mode
3	186	Exploring Japanese Language Reviews on Amazon Products: Leveraging Word Embedding and Deep Learning Methods	RAMANNA T	UVCE Bengaluru	Online Mode
4	191	Agroinsight Chatbot: Ai-Driven Precision Farming For Optimal Yields, Crop Selection, And Disease-Free Harvests	Geethanjali T M	PES College of Engineering	Online Mode

5	197	IA-MSTM: Improved Adaptive Moment Estimation Enabled Mixed Attention-Based Long Short-Term Memory For Crop Yield Prediction	VANI B V	Sri Siddhartha Institute of Technology	Online Mode
6	260	Accurate Detection and Classification of Alopecia using Machine Learning Models and Interpretation using LIME and SHAP Explainers	Ashwini Kodipalli	Global Academy of Technology	Online Mode
7	337	Predicting Player Engagement in Online Gaming: A Machine Learning Approach	Md Shaik Amzad Basha	GITAM School of Business, Bangalore	Online Mode
<b>Session-4</b>		<b>Track 4: Artificial Intelligence and Machine Learning</b>	<b>Date:21/09/2024 Time:4 p.m. to 6 p.m.</b>		<b>Session coordinator: Prof. Sandeep Kugali Contact No:9686877836</b>
<b>Sl.No</b>	<b>CMT Paper ID</b>	<b>Title of the Article</b>	<b>Corresponding Author Name</b>	<b>Corresponding Author Organization</b>	<b>Mode of Presentation</b>
1	339	Towards an Improved Model for Stability Score Prediction: Harnessing Machine Learning in National Stability Forecasting	Md Shaik Amzad Basha	Christ (Deemed to be University)	Online Mode
2	497	Groundnut Crop Disease Detection Using Learning Rate Annealing Methods	Bojja Bala Sai Harsha Vardhan	Amrita Vishwa Vidyapeetham	Online Mode
3	530	Smart Irrigation: Enhancing Agricultural Efficiency with IoT-Connected Drones and Machine Learning	Rama Prabha K.P	Vellore Institute of Technology	Online Mode
4	575	An Investigation on the Efficiency of Some Text Attack Algorithms	Jaydip Sen	Praxis Business School Kolkata, INDIA	Online Mode
5	585	Optimizing Supply Chain Management with Neural Network and Machine Learning Techniques	Jagendra Singh	Bennett University, Greater Noida, India	Online Mode
6	636	Predictive Modeling and Dynamic Analysis of Price Trends in eCommerce using ML Technique	Pallab Banerjee	Amity University Jharkhand	Online Mode
7	737	Integrating Hybrid Decomposition Methods and LSTM for Enhanced NIFTY Index Prediction and Trading Strategies	Kalaiarsan G	Amrita School of Artificial Intelligence, Amrita Vishwa Vidyapeetham, Coimbatore, India	Online Mode

Session-5		Track 5: Computing Devices and Circuits	Date:21/09/2024 Time:4 p.m. to 6 p.m.		Session coordinator: Prof. Sumadevi N. Benkikeri Contact No:9741275286
Sl.No	CMT Paper ID	Title of the Article	Corresponding Author Name	Corresponding Author Organization	Mode of Presentation
1	544	An Efficient PFSCl based D-Latch Design Using Dynamic-Threshold Voltage MOSFET	Dr. Bharat Choudhary	Malaviya National Institute of Technology Jaipur	Online Mode
2	556	High-Speed Design Approaches For CCSDS LDPC Encoder Systems	Jeeshma T.N	Amrita Vishwa Vidyapeetham,Coimbatore	Online Mode
3	564	Modeling Plants vs Zombies Gameplay using Finite Automata	Varshita Velumury	Amrita Vishwa Vidyapeetham Bangalore	Online Mode
4	608	Dam Monitoring and Alerting System in Real Time via Integrated IoT Platforms Using LoRaWAN Technology.	S RUBEENA GRACE TAMILARASI	KARUNYA INSTITUTE OF TECHNOLOGY AND SCIENCES.	Online Mode
5	640	Effective Ternary Full Adder Cells for Nanoelectronics Using CNTFET Technology	Goruganti Mahendra	Santhiram Engineering College	Online Mode
6	679	Comparative Analysis of 4x4 Wallace Tree Multipliers at 45nm Node Technology	Mandeep. M	Alliance University	Online Mode
7	706	Modelling and Simulation of Fiber Bragg Grating Sensors for Temperature and Pressure Measurements in Environmental Monitoring Stations	Dr Malathi S	Graphic Era Deemed To Be University	Online Mode
Session-6		Track 6: Learning Computer and Software Engineering	Date:21/09/2024 Time:4 p.m. to 6 p.m.		Session coordinator: Prof. Jyoti M. Hurakadli Contact No:9845875663
Sl.No	CMT Paper ID	Title of the Article	Corresponding Author Name	Corresponding Author Organization	Mode of Presentation
1	193	Design and Development of Intrusion Detection System using Two point Setup	Parth M Garg	Reva University	Online Mode
2	233	GETO VR CONFERENCE ROOM USING UNITY 3D AND PHOTON ENGINE	MAHENDRAN	PANIMALAR ENGINEERING COLLEGE	Online Mode
3	237	Implementing Deep Learning to Identify Skin Cancer from Dermoscopy Images	Shilpa K	Saveetha Engineering College	Online Mode
4	262	Analysis of Airline passengers' Satisfaction in multiple dimensions	Keerthana A V	Global Academy of Technology	Online Mode

5	272	Optimizing Security: A Comparative Analysis of RSA, ECC, and DH Algorithms	Yash M Dalal	REVA University	Online Mode
6	406	Mathematical Insights into Cryptographic Algorithms: Recent Analysis and Future Directions	Kapil Dev Sharma	DIT UNIVERSITY, DEHRADUN	Online Mode
7	410	Smart Online Examination Cheat detection using Gaze Analysis	Prasanth Kumar D	Amrita Vishwa Vidyapeetham	Online Mode
<b>Session-7</b>		<b>Track 6: Learning Computer and Software Engineering</b>	<b>Date:22/09/2024 Time:9 a.m. to 10.30 a.m.</b>		<b>Session coordinator: Prof. Supriya Harlapur Contact No:7406185528</b>
<b>Sl.No</b>	<b>CMT Paper ID</b>	<b>Title of the Article</b>	<b>Corresponding Author Name</b>	<b>Corresponding Author Organization</b>	<b>Mode of Presentation</b>
1	441	Design of Software Engineering Approach's for web learning applications using Cloud Computing	Dr. N Sreenivasa	Nitte Meenakshi Institute of Technology	Online Mode
2	465	Secured Delivery System Using Ethereum Blockchain Technology	Keshav Poojari R	Nitte Meenakshi Institute of Technology, Bangalore	Online Mode
3	611	EVOTE: A DECENTRALIZED BLOCKCHAIN - BASED ELECTORAL PLATFORM FOR UPCOMING ELECTIONS	Abhinav Kumar	Delhi Technical Campus	Online Mode
4	612	AI-Powered Alzheimer's Care: Smart Face Recognition, Medicine Reminders, and Location	Dr. Satish Muppidi	GMR Institute of Technology	Online Mode
5	621	Optimizing Machine Learning Pipelines: Scalable Mobile-Based Tamil Sign Language Recognition	Damisetty Venkata Sai Revanth	Amrita Vishwa Vidyapeetham	Online Mode
6	689	VeriTrace: A Web3 Based Fake Product Identification System Using Blockchain	Akhilraj V. Gadagkar	NMAM Institute of Technology, Nitte	Online Mode
7	693	Enhancing Remote Learning By Using Competitive Coding Platform	Mohammed Musab Haqqani	Vardhaman College of Engineering, Hyderabad	Online Mode
8	716	Analysis of Sensorless PMSM Drive with Adaptive Controller Tuning	Anup Shetty	NITTE(Deemed to be University), NMAM Institute of Technology	Physical/ Offline Mode

Session-8		Track 9: Intelligent Solutions in Healthcare applications	Date:22/09/2024 Time:9 a.m. to 10.30 a.m.		Session coordinator: Dr. Sharanappa P. H. Contact No:9900855255
Sl.No	CMT Paper ID	Title of the Article	Corresponding Author Name	Corresponding Author Organization	Mode of Presentation
1	39	Advancements in Speech-to-Text Systems for the Hearing Impaired	Sumanth Reddy M, Rohan K, Thimmaraja Yadava G	Nitte Meenakshi Institute of Technology, Bengaluru	Online Mode
2	146	Chatbot to chat with medical books using the Retrieval-Augmented Generation Model	Sai Deepa Bhavani Peri	Amrita Vishwa Vidyapeetham	Online Mode
3	717	A Profitable Communication System for Paralytic Patients With Healthcare Monitoring	Dr. Anubhav Kumar Pandey	Manipal Institute of Technology, Manipal	Online Mode
4	167	NutriSpy: Investigate Your Food's Health Quotient	Thanay Kumar Y R	Dr Ambedkar Institute of Technology	Online Mode
5	242	BoneSegNet: Enhanced 2D-TransUNet Model for Multiclass Semantic Segmentation of X-Ray Images of Human Hand Bone	NAGARAJU Y	University of Visvesvaraya College of Engineering	Online Mode
6	278	Enhancing Dermatological Diagnosis: A Deep Dive For Skin Lesion Classification	Diptee Chikmurge	MIT Academy of Engineering, Alandi, Pune	Online Mode
7	353	Enhancing Healthcare Delivery Through IoT Applications in Remote Patient Monitoring and Telemedicine	Dankan Gowda V	BMS Institute of Technology and Management Bangalore, Karnataka	Online Mode

Session-9		Track 3: Robotics and Automation Systems	Date:22/09/2024 Time:9 a.m. to 10.30 a.m.		Session coordinator: Dr. Ajaykumar Katageri Contact No:9739099763
Sl.No	CMT Paper ID	Title of the Article	Corresponding Author Name	Corresponding Author Organization	Mode of Presentation
1	412	Efficient Liver and Tumor Segmentation from CT Images Using a Hybrid ResUNet Mode	Jagendra Singh	Bennett University, Greater Noida, India	Online Mode
2	415	Heart Disease Prediction using Machine Learning	Tanvi Pokale	Vishwakarma Institute of Technology, Pune	Online Mode

3	422	Harnessing Machine Learning for Mental Health: A Study on Classifying Depression-Related Social Media Posts	Md Shaik Amzad Basha	GITAM School of Business	Online Mode
4	449	Prostate Cancer Prediction Using Convolutional Neural Networks	Bijaya Kumar Sethi	Siksha 'O' Anusandhan (Deemed to be University), Bhubaneswar, India.	Online Mode
5	514	Harnessing Data Science for Healthy Herds: Deep Learning for Cattle Disease Detection	Nagaraj Gadagin	Canara Engineering College, Mangaluru	Online Mode
6	551	Advanced Predictive Modeling for Pneumonia Diagnosis to Revolutionize Healthcare with Transfer Learning	Prasanta Panda	Tata Consultancy Services	Online Mode
7	581	Prediction of Parkinson's Disease using Hybrid Machine Learning Model for Healthcare Applications	Suresh Kumar Jha	Manipal University Jaipur	Online Mode
<b>Session-10</b>		<b>Track 3: Robotics and Automation Systems</b> <b>Track 8: Intelligent Mobility and Visual Intelligence</b>	<b>Date:22/09/2024</b> <b>Time:9 a.m. to 10.30 a.m.</b>		<b>Session coordinator:</b> <b>Dr. Kirankumar Balavalad</b> <b>Contact No:9742919103</b>
<b>Sl.No</b>	<b>CMT Paper ID</b>	<b>Title of the Article</b>	<b>Corresponding Author Name</b>	<b>Corresponding Author Organization</b>	<b>Mode of Presentation</b>
1	135	Unmanned Smart Fire Fighting Systems for Forest and Wildlife Protection	Kiran Y S	REVA UNIVERSITY	Online Mode
2	222	Automation of Subway Surfers using Finite State Machines	Shail garg	Amrita Vishwa Vidyapeetham bangalore	Online Mode
3	458	Design and Implementation of IoT Based Automated Railway Gate Crossing System	Raghavendra Naik	KLE TECHNOLOGICAL UNIVERSITY	Online Mode
4	150	Secure IoT: Fortifying IoT Security with Support Vector Machines	Dr. A. BACKIA ABINAYA	ST. JOSEPH'S COLLEGE OF ENGINEERING AND TECHNOLOGY	Online Mode
5	504	Autonomous Car Driving: Advanced Maneuvers Training	Savarala Chethana	Amrita School of Computing , Bengaluru	Online Mode
6	532	Congestion Detection of Vehicles using Vehicular Ad-Hoc Networks - VANETs	N. Kishore Chandra Dev	Sathyabama Institute of Science and Technology	Online Mode
7	709	Detecting Suspicious Military Tents from Optical Images using Deep Learning Model	Bala Manikya Venkata Saketh Nandula	Velagapudi Ramkrishna Siddhartha Engineering College	Online Mode



Session-11		Track 4: Artificial Intelligence and Machine Learning	Date:22/09/2024 Time:9 a.m. to 10.30 a.m.		Session coordinator: Prof.Karuna Kurbet Contact No:9742830500
Sl.No	CMT Paper ID	Title of the Article	Corresponding Author Name	Corresponding Author Organization	Mode of Presentation
1	683	Medicine recognition from coversheet using VGG16 model	Kagitha Samitha	VR Siddhartha Engineering College	Online Mode
2	720	Modeling Temple Run Gameplay with Finite State Machines	D. Lalith Kumar	Amrita Vishwa Vidyapeetham	Online Mode
3	814	Recommendation System in Industrial data analysis using Machine Learning Techniques	Bhavesh Joshi	Graphic Era Hill University, Bhimtal Campus	Online Mode
4	21	Real-time Tweets Analysis using Machine Learning and Bigdata	P Nandieswar Reddy	Amrita Vishwa Vidyapeetham, India	Online Mode
5	590	Impact of outbound training on student engagement in management education: An AI-based computer vision approach.	Sumanth P Desai	KLS Institute of Management Education and research	Online Mode
6	371	Design Of RF Mixer For Multiband Communication Bandwidth	Neha Patil	REVA University	Online Mode
7	766	Detecting potholes with a machine learning algorithm for road safety	Sritama Roy	Vellore Institute of Technology, Chennai	Online Mode
8	246	Boosting-Based Machine Learning Approaches for Diabetes Prediction using Indian Demographic and Health Survey Data	Shanta Kallur	KLE Institute of Technology	Online Mode

Session-12		Track 2: Power Electronics and Control Systems	Date:21/09/2024 Time:4 p.m. to 6 p.m.		Session coordinator: Dr. Basavaraj M. Angadi Contact No:9980303752
Sl.No	CMT Paper ID	Title of the Article	Corresponding Author Name	Corresponding Author Organization	Mode of Presentation
1	464	Physical Abuse Activity Recognition using Landmarks of Human Posture and DTW Classifier	Y. V. K. Durga Bhavani	Basaveshwar Engineering College, Bagalkote	Physical/ Offline Mode
2	647	A Comparative Study of Hall Sensor-based Trapezoidal and Sinusoidal Control on BLDC Using dsPIC33C	Davin Dsouza	Manipal Institute of Technology	Physical/ Offline Mode
3	680	Dynamic Power Factor Correction using FC TCR – A Case Study of Academic Campus Distribution Network	Basanagouda Ronad	BEC Bagalkote	Physical/ Offline Mode



4	326	HealthPredictor: Accurate Health Insights at Your Fingertips	Nausheen Ammanagi	KLE Institute of Technology Hubballi	Physical/ Offline Mode
5	425	DESIGN AND DEVELOPMENT OF "RESCUBA" FOR LIFE RESCUE ADMINISTRATION	SHANMUGHA JEYASHREE B	SRI SAIRAM ENGINEERING COLLEGE	Physical/ Offline Mode
6	402	Spice Vision: Deep Learning Enhanced Spice Classification System	Meenaz Belavatgi	K.L.E Institute of Technology Hubballi	Physical/ Offline Mode
<b>Session-13</b>		<b>Track 5: Computing Devices and Circuits</b>	<b>Date:21/09/2024 Time:4 p.m. to 6 p.m.</b>		<b>Session coordinator: Prof Santosh Kandagal Contact No:9741988498</b>
<b>Sl.No</b>	<b>CMT Paper ID</b>	<b>Title of the Article</b>	<b>Corresponding Author Name</b>	<b>Corresponding Author Organization</b>	<b>Mode of Presentation</b>
1	750	Adaptive LMS Algorithm for Effective Noise Suppression	Dr. Rajani S. Pujar	Basaveshwar Engineering College, Bagalkote	Physical/ Offline Mode
2	763	CANSAT: A Miniature Satellite for Remote Environmental Monitoring	Varun R Doddamani	KLE Technological University	Physical/ Offline Mode
3	764	A Data Integrity Framework for IoT Leveraging the Blowfish Encryption Algorithm	Dr. Mamata J. Sataraddi	Basaveshwar Engineering College, Bagalkote	Physical/ Offline Mode
4	29	A Novel Approach for Bitcoin Price Prediction	Rajan Lal Karna	Ramaiah Institute of Technology	Physical/ Offline Mode
5	208	Development and Implementation of a Virtual Reality Simulation for an Immersive College Environment Using the Unity Game Engine	Ashwin Raj Lendalay	Hyderabad Institute of Technology and Management	Physical/ Offline Mode
6	256	A Machine Learning based approach for Bird Migration Detection and feature analysis with SHAP	Sahana Jatti	KLE Institute of Technology Hubballi	Physical/ Offline Mode

Session-14		Track 5: Computing Devices and Circuits	Date:22/09/2024 Time:9 a.m. to 10.30 a.m.		Session coordinator: Dr. Vijay Joshi Contact No:9886809002
Sl.No	CMT Paper ID	Title of the Article	Corresponding Author Name	Corresponding Author Organization	Mode of Presentation
1	226	A Three Phase 17-Level Cascaded H-bridge Multilevel Inverter With Load Induction Motor	Akshata Hunashikatti	KLE Technological University, Hubballi	Physical/ Offline Mode
2	600	Smart Anti-Theft Control System Using IoT	Prashant S Ukkali	B.L.D.E.A's Dr.P.G.Halakatti CET, Vijayapura, Karnataka, India	Physical/ Offline Mode
3	102	Exploring Memristor Integrated R-2R DAC: A Study in Circuit Optimization and Performance	Pushpa Mala S	Dayananda Sagar University	Physical/ Offline Mode
4	103	A Study on Circuit Optimization and Performance of Memristor-Integrated 3 bit Pipeline DAC	Pushpa Mala S	Dayananda Sagar University	Physical/ Offline Mode
5	286	AUTOSAR-Enabled Throttle Position Sensor Testing and Analysis using MATLAB	SHREYA DAYANAND MATTIKALLI	KLE Technological University's Dr.M.S.Sheshgiri College of Engineering and Technology,Belagavi	Physical/ Offline Mode
6	165	Evaluation of Speech Enhancement Algorithms for Hearing Aids	Lakshmi Khedagi	B.L.D.E.A's V.P.Dr. P.G.Halakatti.College of Engineering and Technology, Vijayapura, India	Physical/ Offline Mode