MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi and Affiliated to Pondicherry University
Accredited by NBA & NAAC 'A' Grade
Kalitheerthalkuppam, Puducherry - 605107

Accredited by NBA NATIONAL BOARD of ACCREDITATION

TRACK 1: Electronics and Communication -> VLSI/Circuit Simulation and embedded/ Electronics and Communication -> RF/Microwave/Optical and Antenna / Control Systems and Robotics/ Others(Data Mining, Database Systems, Software Testing etc.)/ Computer Science Engineering -> Mobile computing/ Computer Science Engineering -> Data and Cyber SecurityComputer Science Engineering -> Blockchain technology

Staff Incharge: Mr. Rajesh
Ph:9894184602
Date/Session: 17.11.2023/FN   **Venue: Simulation Lab (Room No: 212)**

S.No	Paper ID	Paper Title	Primary Contact Author Name
1.	356	Automatic Paddy Drying Robot	Dr.G.Renuka Devi
2.	200	EFFECT OF ELECTRONIC CUSTOMER RELATIONSHIP MANAGEMENT TOWARDS CUSTOMER EXPERIENCE WITH MEDIATING FACTOR SERVICE QUALITY IN THE INSURANCE INDUSTRYITY IN THE INSURANCE INDUSTRY	Lokesh S
3.	328	Enhancing Irrigation Efficiency with AI-Based Instinctive Irrigation System (IIS) in Wireless Sensor Networks	Pajany M
4.	224	MXDD Scheduling Algorithm for MIBC Switches	Sankar Murugesan
5.	363	DIGITALIZATION AND SECURE PROCESS OF FORENSIC DATA MANAGEMENT USING BLOCKCHAIN	INDUMATHI R RISHI
6.	76	D-shaped Optical Fibre-based SPR Sensor for Environment Pollutants Detection	Pankaj Verma (NIT-Kurukshetra)*;
7.	78	Audio Deepfake Detection using Data Augmented Graph Frequency Cepstral Coefficients	Mohit Dua (NIT KKR)*;
8.	163	Fuzz_OSR: Fuzzy based Optimal Secured Route selection model in Underwater Wireless Sensor Networks for efficient data transmission	R.SAMBATH KUMAR (PUDUCHERRY TECHNOLOGICAL UNIVERSITY)*
9.	357	Comparing the Performance Measures of Underwater Image Enhancement Through Improved CNN With Gaussian and Kalman Filter Method	V.RAJESH

MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY
Approved by AICTE, New Delhi and Affiliated to Pondicherry University
Accredited by NBA & NAAC 'A' Grade
Kalitheerthalkuppam, Puducherry - 605107

Accredited by
NBA
NATIONAL BOARD
OF ACCREDITATION
NAAC

TRACK 2 : Electronics and Communication -> VLSI/Circuit Simulation and embedded
Staff Incharge: Dr. Gowthami
Ph: 9944643545
Date/Session: 17.11.2023/FN   **Venue: ACL Lab (211)**

S.NO	Paper ID	Title of the Paper	Author Details
1.	11	Precautions for Maritime Boundary Limit using Geo Tracking & Wave Buoy	Pushparaj S (Sri Manakula Vinayagar Engineering College)*;
2.	83	IMPLEMENTATION OF EFFICIENT SERIAL ARCHITECTURE FOR PRINCE BLOCK CIPHER WITH ENHANCED SECURITY	ravi PUSAM teja (NIT Kurukshetra)*;
3.	120	Enhancing the Performance of DG-TFET using Si/Ge Source n+pocket Engineering	Gaurav saini (NIT Kurukshetra)*;
4.	140	High Performance Ternary Inverter based on FinFET Models	Mohit Goel (Chitkara University)*;
5.	209	Design and Implementation of Low-cost diabetes Level Prediction using Machine Learning	Sofia R (Manakula Vinayagar Institute of Technology)*
6.	269	A Novel Approach to Detect Falls Using an IoT-Based Health Analysis System	Navaneethakrishnan V.M (Sri Manakula Vinayagar Engineering College)*
7.	321	Efficient Power Optimization in CNN Acceleration through Innovative Hardware Design	KANAGAMALLIGA S (Saveetha Engineering College, Chennai)*;
8.	335	An IoT-based Automated Music Therapy System for Stress Management: Design and Implementation	Bharathi V (Sri Manakula Vinayagar Engineering College)*
9.	349	InhalAIR: An AI-IoMT based Smart Inhaler Solution for Asthma and COPD Patients	Sakthi Jaya Sundar Rajasekar (MelmaruvathurAdhiparasakthi Institute of Medical Sciences and Research)*;

MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY
Approved by AICTE, New Delhi and Affiliated to Pondicherry University
Accredited by NBA & NAAC 'A' Grade
Kalitheerthalkuppam, Puducherry - 605107

Accredited by
NBA
NATIONAL BOARD of ACCREDITATION
ACCREDITED WITH GRADE A NAAC

TRACK 3 : Electronics and Communication ->AI/ML and IOT/Signal and Image Processing/Big Data and Data Science/VLSI/Circuit Simulation and embedded/Pattern Recognition & Computer Vision /Human Computer Interface/

Staff Incharge: Mr.Murali
Ph:7904193062
Date/Session: 17.11.2023/AN   **Venue: Simulation Lab (Room No: 212)**

S.NO	Paper ID	Title of the Paper	Author Details
1.	372	PREDICTING THE PRICE OF STOCK USING DEEP LEARNING ALGORITHMS	Dhanalakshmi R
2.	263	A ROBUST BLIND WATERMARKING TECHNIQUE FOR IMPROVED MEDICAL IMAGE SECURITY	Shankar A
3.	291	RL based Queue Selection Algorithm for Input Queued Switches: A Theoretical Approach	Soruban S
4.	374	Differentiate Music Genre from an Audio File Using CNN	Dhanalakshmi R
5.	369	DEEP LEARNING MODEL TO DETECTAND TO CLASSIFY BONE FRACTURE INX-RAY IMAGES	Imran Khan
6.	359	An Optimistic Approach to Identify the Quantity of Controller to be placed in SDN	Victer Paul
7.	378	Study Of Cyclone Tracking Mechanism Using Deep Learning	Dhanalakshmi R
8.	384	Raw Bayer pattern image synthesis on histogram of gradients for pedestrian detection	Sneha G
9.	177	EXPRESSIVE AND DEPLOYABLE MIMO USING CHAOS SHIFT KEYING SYSTEM	R Vithiya

MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY
Approved by AICTE, New Delhi and Affiliated to Pondicherry University
Accredited by NBA & NAAC 'A' Grade
Kalitheerthalkuppam, Puducherry - 605107

Accredited by
NBA
NATIONAL BOARD
OF ACCREDITATION
NAAC

Track 4: Electronics and Communication -> Wireless Communication/ RF/Microwave/Optical and Antenna
Staff Incharge: Dr. R. Sofia
Ph:7868844498
Date/Session: 17.11.2023/AN   **Venue: ACL Lab(Room No: 211)**

S.NO	Paper ID	Title of the Paper	Author Details
1.	204	Distributed Lens-Based Beamforming for Robust Millimeter Wave 5G Networks	vishnu S (MVIT)*
2.	210	OPTIMIZATION OF PRECODERS FOR MIMO SYSTEM FOR 6G COMMUNICATION	samuthirapandi v (SRM University)*
3.	358	MULTI-DOMAIN CHANNEL ESTIMATION IN SM-OTFS FOR BEYOND 5G WIRELESS SYSTEMS	Madhumitha J Jayaram (CEG)*;
4.	2	Detection Of Quinoline Liquid using Photonic Crystal Fiber Sensor	Shafferiyasudheen R (IFET College of Engineering)*;
5.	19	A Ultra-wideband Vivaldi Antenna with Lozenge Shaped Slots for Biomedical Applications	Sivasankari Sokkalingam (Sri Manakula Vinayagar Engineering College)*;
6.	27	OPTIMIZATION OF TUBE SLOT PATCH ANTENNA FOR TERAHERTZ SYSTEMS	Sathish kumar D (SRI ESHWAR COLLEGE OF ENGINEERING)*;
7.	139	An Investigation of a Matching Circuits for Radio Frequency Energy Harvesting Applications	UDAYABHASKAR PATTAPU (PACE INSTITUTE OF TECHNOLOGY AND SCIENCES)*;
8.	347	Monitoring Street light using Power Line Carrier Communication (PLCCC) & SCADA	vishnu S s (MVIT)*;
9.	273	SECURITY ENHANCEMENT FOR THE 5G NETWORK CONCERNS	NITHIYA SNEGA V

MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY
Approved by AICTE, New Delhi and Affiliated to Pondicherry University
Accredited by NBA & NAAC 'A' Grade
Kalitheerthalkuppam, Puducherry - 605107

Accredited by
NBA
NATIONAL BOARD
OF ACCREDITATION
NAAC

TRACK 5: Electronics and Communication -> Bio- Medical Signal processing, Computer Vision And Image Analysis
Staff Incharge: Mr. S. Gowshameed
Ph: 9500641938
Date/Session: 18.11.2023/FN   **Venue: Simulation Lab (Room No: 212)**

S.NO	Paper ID	Title of the Paper	Author Details
1.	12	BAYESIAN ALGORITHM-BASED AUTOMATION SYSTEM FOR CONTROL OF AGRICULTURAL FIELD PARAMETERS	Srividdhya P (Sri Manakula Vinayagar Engineering College)*
2.	146	SmartSense: An Intelligent Assistive System for Typhlotic Individuals using Raspberry Pi	Saravanakumar Chandrasekaran (SRM Valliammai Engineering College)*;
3.	205	MACHINE LEARNING MODEL BASED SYSTEM DESIGN FOR MUSIC RECOMMENDATION	Uma M (Sri Krishna college of engineering and technology)*;
4.	222	An Improved Music genre classification using Convolutional Neural Network and Spectrograms	Manikandan Jothi (Rajalakshmi college of engineering)*
5.	271	LIDAR & THERMAL CAMERA BASED BRAKING AND LIFE SAVING SYSTEM WITH ACTUATOR SHIELD FOR WHEELS	JAYAPREETHI K (SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE)*;
6.	286	Implementation of Multi -Functional Pump Therapy	Franklin J (SRM INSTITUTE OF SCIENCE AND TECHNOLOGY)*;
7.	351	Automated Pest Classification and Infestation Detection using CNN and Transfer Learning Techniques	Navaneethakrishnan V.M (Sri Manakula Vinayagar Engineering College)*
8.	297	MOBILE BASED DEEP LEARNING APPLICATION FOR WEED AND MEDICINAL PLANT DETECTION USING YOLOV5	J.prabavadhi
9.	366	GPS Routing of Shortest Path through Kernel Algorithm	Jasmine Susila D

MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY
Approved by AICTE, New Delhi and Affiliated to Pondicherry University
Accredited by NBA & NAAC 'A' Grade
Kalitheerthalkuppam, Puducherry - 605107

Accredited by NBA NAAC

TRACK 6 : Electronics and Communication -> Signal and Image Processing
Staff Incharge: Mrs. Vithiya
Ph:7810982660
Date/Session: 18.11.2023/FN   **Venue: ACL Lab (Room No: 211)**

S.NO	Paper ID	Title of the Paper	Author Details
1.	109	Enhancing ECG Analysis through Deep Learning-Based Waveform Segmentation: A Time-Frequency Approach	B Sreelatha (Geethanjali College of Engineering and Technology)*;
2.	112	Unsupervised Medical Image Denoising Using CycleGAN: Improving Low-Dose CT Image Quality	Maddireddy Sowjanya (Geethanjali College of Engineering and Technology)*;
3.	113	Enhancing Keyword Spotting in Noisy Environments: A Deep Learning Approach with MFCC and Bidirectional LSTM Networks	Mitta Laxmi (Geethanjali College of Engineering and Technology)*;
4.	114	Automatic Detection of Irregular Contraction and Relaxation of Cardiac Muscle using Alexnet	Vallathan Govindu (Geethanjali College of Engineering and Technology)*;
5.	115	Deep Learning for Accurate Chest Disease Classification: A CNN-Based Approach for Lung Cancer Sub types and Normal Cells	sumithra B (Geethanjali College of Engineering &Technology)*;
6.	181	A ROBUST METHOD OF HIDING PATIENT SECRET DATA USING HYBRIDIZATION OF HYPERCHAOTIC SYSTEM WITH LSB BASED ENCRYPTION FOR MEDICAL IMAGE	Shankar A (Manakula Vinayagar Institute of Technology)*;
7.	232	Aerial Vehicle Landing on a Sloped Surface with Variable Skid Height Using Canny Edge Detection	GANESAN SAMBANDAM (Sri Manakula Vinayagar Engineering College)*
8.	248	Enhancing Traffic Surveillance and Urban Mobility with Vision-Based Vehicle Analysis	KANAGAMALLIGA S (Saveetha Engineering College, Chennai)*;
9.	331	Hand Detection and Morse Code Translation for Alternative Communication	Sathian D (Vellore Institute Of Technology)*
10.	316	Pulsed Electric Field for food Preservation	GOWSHAMEED S

MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY
Approved by AICTE, New Delhi and Affiliated to Pondicherry University
Accredited by NBA & NAAC 'A' Grade
Kalitheerthalkuppam, Puducherry – 605107

Accredited by
NATIONAL BOARD of ACCREDITATION

TRACK 7: AI/ML and IOT / Big Data and Data Science
Staff Incharge: Mrs. Alamelu
Ph: 9791721986
Date/Session: 18.11.2023/AN   **Venue: AV Room**

S.No	Paper ID	Paper Title	Primary Contact Author Name
1.	9	Autonomous Wheelchair Navigation using Monocular SLAM and Rapidly-exploring Random Trees	GANESAMOORTHY B
2.	251	CROP DISEASE PREDICTION USING MACHINE LEARNING	Sankar Murugesan
3.	252	REGRESSION METHOD-BASED PREDICTION OF WIND POWER GENERATION	Sankar Murugesan
4.	299	NEURAL NETWORK-BASED HANDWRITTEN CHARACTER DETECTION	Sankar Murugesan
5.	300	STORAGE NETWORK ATTACHED USING RASPBERRY PI	Sankar Murugesan
6.	301	ML Algorithm-Based Healthcare Predictor	Sankar Murugesan
7.	346	INVESTIGATING THE FAKE NEWS USING MACHINE LEARNING ALGORITHMS	Dr. K.Vijiyakumar
8.	364	Forest Fire and Smoke Detection using Convolution Neural Networks	INDUMATHI R RISHI
9.	365	Deep Learning Based Diabetes Classification and Prediction for Healthcare Applications Using Advanced Genetic Optimization	Selvi Vasudevan
10.	339	HACE Theorem Based Data Extraction to Enhance Smart Agriculture	Sathishkumar R

MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY
Approved by AICTE, New Delhi and Affiliated to Pondicherry University
Accredited by NBA & NAAC 'A' Grade
Kalitheerthalkuppam, Puducherry - 605107

Accredited by
NBA
NATIONAL BOARD
of ACCREDITATION
NAAC

TRACK 8 : Electronics and Communication -> AI/ML and IOT/Control Systems and Robotics
Staff Incharge: Mr. R.Sambathkumar
Ph: 9840339561
Date/Session: 18.11.2023/AN   **Venue: Simulation Lab (Room No: 212)**

S.NO	Paper ID	Title of the Paper	Author Details
1.	199	DESIGN AND IMPLEMENTATION OF FAULT DETECTION AND VEHICLE SAFETY USING EMBEDDED SYSTEM	Aniruth Chakravarthy
2.	367	Eco-Centric Landscaping: The Science and Strategy of 5-Meter Seed Ball Deployment	Dr.G.Renuka Devi
3.	373	An Investigation on Machine Learning Algorithms for Crop Yield Prediction	Bhavadharini R M
4.	376	An AI Integrated Emotional Responsive System: Kanmani-The Bot for India	Aurobind Ganesh
5.	377	A LSTM Deep Learning method with Attention Dense Mechanism for AQI prediction	Valli R
6.	381	IoT-Enabled Ethanol Detection System: A Transformative Stride in Ensuring Food Authenticity	Deenadayalan T
7.	88	Traffic Sign Recognition using Image Processing for Autonomous Vehicles	DHARANI DEVI P
8.	90	Optimization enabled deep learning methods for Container-based Cloud Computing Environment	G Indumathi
9.	382	An IoT-based Home Automation System using NodeMCU and Blynk IoT App	Deenadayalan T
10.	182	AUTOMATIC NUMBER PLATE RECOGNITION SYSTEM USING DEEP LEARNING YOLOv5 ALGORITHM	Varalakshmi Murugan