1	SESSION TITLE	**POWER - I**				
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S. NO.	PAPER ID	AUTHOR (S)	PAPER TITLE
1	47	ANJANAA V G, MITALI SAINI, DARSHAN DARSHAN, **GNANA SWATHIKA OV***	PREDICTING SHORT-TERM ENERGY DEMAND: A CASE STUDY USING UNIVERSITY CAMPUS DATASET
2	64	**SITHARTHAN R ***, SENTHIL KUMAR R, BALAKUMAR P, RAJA SINGH R, FREDDY PHIL STANLY EUGIN, GAUTHAM S	BUILDING A SUSTAINABLE FUTURE: THE GLOBAL JOURNEY TOWARDS A GREEN ENERGY ECONOMY
3	86	DR. NAGESWARA RAO ATYAM *, V LAKSHMI DEVI, KUMAR K, K MURALI KUMAR, **VIJAYAPRIYA P**, N V SARATHBABU GORIPARTI GORIPARTI	COMPARATIVE EVALUATION OF MPPT ALGORITHMS FOR MODIFIED SEPIC CONVERTERS UNDER DYNAMIC SOLAR IRRADIANCE
4	246	SUJATHA RAJKUMAR *, THAM MAU LUEN, **M VIJAY SATHAPPAN**, SATHAGAN ST, RATHISH A	SUSTAINABLE SMART LOCK FOR VEHICLE RENTALS IN CONTROLLED ENVIRONMENT
5	299	**MOHAMED IMRAN A***, RADHIKA P, VENGADACHALAM N	SUPER TWISTING SLIDING MODE CONTROLLED BOOST CONVERTER FOR EV CHARGING APPLICATION
6	378	**RIZKI MENDUNG ARIEFIANTO ***, HAZLIE MOKHLIS, NURULAFIQAH NADZIRAH MANSOR, HADI SUYONO, RINI NUR HASANAH, HUSSAIN SHAREEF	METAHEURISTIC-BASED OPTIMIZATION OF MULTI-DG PLACEMENT AND SIZING FOR IMPROVED EFFICIENCY AND VOLTAGE STABILITY UNDER WEIGHTING FACTOR SCENARIOS
7	417	THIRUVENKADAM SRINIVASAN *, THIRUMOORTHY RAMASAMY, **IN-HO RA**	ENERGY MANAGEMENT OPTIMIZATION IN RESIDENTIAL MICROGRIDS USING BLOOD SUCKING LEECH OPTIMIZER
8	462	**J. JANSI PRIYA***, I. JACOB RAGLEND	MITIGATION OF COMPLEX TRANSIENTS AND ELECTRICAL NOISE IN DISTRIBUTION GRIDS USING A SERIES COMPENSATION FRAMEWORK
9	476	AIMAN MUQRI BIN MOHAMAD SUKRI, NURULAFIQAH NADZIRAH BINTI MANSOR *, HAZLIE BIN MOKHLIS, **RIZKI MENDUNG ARIEFIANTO**, JIA YUN LIAN, MOHAMMAD SAMEER AHMAD	IMPLEMENTABLE CONTROL STRATEGY FOR RESIDENTIAL ENERGY MANAGEMENT SYSTEM INCORPORATING DEMAND RESPONSE PROGRAM
10	485	**NITHYA JAYAKUMAR***, PALANISAMY K	FEASIBILITY AND ECONOMIC ANALYSIS OF A GRID-CONNECTED RENEWABLE-ASSISTED EV FAST CHARGING STATION USING HOMER GRID

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2	SESSION TITLE	ELECTRONICS - I				
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S. NO.	PAPER ID	AUTHOR (S)	PAPER TITLE
1	68	**RAJESH MANOHARAN***, PITCHUMANI ANGAYARKANNI S, VISWANATHAN R, KARTHIK K, FRANCE K	A HARMONIC OPTICAL SYSTEM WITH REDUCED COMPUTING PERFORMANCE BY THE USE OF NON-NUMERICAL EXCESSIVE SAMPLING PROCESSING OF DIGITAL SIGNALS
2	88	ANISHKAA BALASUBRAMANIAM, LACKESH SHANMUGASUNDARAM, SRI HARI S, DEEPIKA RANI SONA, **RASHMI DAS***	A LOW-COST VEHICULAR DRIVER ASSISTANT SYSTEM FOR ACCIDENT DETECTION AND PREVENTION
3	126	**KARTHIKEYAN M***, SHANMUGAM KUMARAVEL, NAGARAJAN VASUGI	TRIANGULAR ARRAY-BASED MINIATURIZED CAPSULE ANTENNA FOR IN-BODY BIOTELEMETRY APPLICATIONS
4	160	MUWAFFAQ I'ZAZ AL-AMIN, PRIHARTINI WIDIYANTI*, AKIF RAHMATILLAH, **MUHAMMAD ATHARI**	DESIGN AND CONTROL OF A 3D-PRINTED HAND EXOSKELETON FOR POST-STROKE ROM REHABILITATION
5	234	**BILAL NIZAMANI***	THE STUDY ON DIFFERENT MECHANICAL PROPERTIES OF A 3D-PRINTED STRUCTURE TOWARDS THE PERFORMANCE OF AN OPTICAL FIBER-BASED TILT SENSOR
6	261	**ELANGO C***, KANNAN M	DESIGN OF A MINIATURIZED X-BAND FREQUENCY SELECTIVE SURFACE USING SPOTTED HYENA OPTIMIZER
7	352	**MUHAMAD ZHARIF SAMION***	POWER OVER OPTICAL FIBER UTILIZING A LOW-POWER TELECOM-WAVELENGTH FIBER LASER FOR TEMPERATURE SENSING APPLICATION

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3	SESSION TITLE	**COMPUTING - I**				
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S. NO.	PAPER ID	AUTHOR (S)	PAPER TITLE
1	60	**SUJATHA RAJKUMAR***, SWARNIMA VERMA, AMRUTHA VARSHINI, ATHIRA SURESH	FPGA BASED HARDWARE ACCELERATOR WITH EDGE INTELLIGENCE FOR ELECTRIC SCOOTER BATTERY HEALTH MONITORING
2	63	**SENTHIL KUMAR R***, BALAKUMAR P, SITHARTHAN R, VIGNESH V	AI-POWERED CLOUD-BASED RESCUE DRONE USING CONVOLUTIONAL NEURAL NETWORKS FOR DISASTER MANAGEMENT
3	69	**MUTHUKUMARAN MALARVEL***, SHOBANA R, POONGUZHALI S, GINO SOPHIA S G, SIMONTHOMAS S	LEVERAGING GENERATIVE AI FOR SEISMIC VULNERABILITY ASSESSMENT IN CLASSIFYING BUILDING DAMAGE USING THE EMS-98 SCALE
4	87	**KISHORE B***, KEDARESH INAMDAR, MANAV MAHESHWARI	A NOVEL IMAGE-BASED DISEASE DETECTION MODEL FOR POTATO LEAVES USING CNN
5	91	**SAKSHAM ANAND, VASU ARYA, ABHIRAM SHARMA, SUGANYA R***, RAJESH KESAVAN	AUTOMATED CLASSIFICATION OF DIABETIC ULCERS AND ORDINARY WOUNDS USING FEAUTRE EXTRACTION FROM DENSENET201 AND YOLOV7 FOR MEDICAL DIAGNOSIS
6	101	KALYANASUNDARAM V, **ILAKIYASELVAN N***, KEERTHI AJ	COMPARATIVE STUDY OF GPT-3.5 16K TURBO AND GPT-4O FOR LEGAL INFORMATION ACCESSIBILITY
7	127	**KANIMOZHI G***, KSHITIJA SHARMA, CHARVI MISHRA, RAVI SAMIKANNU	THERMAL PREDICTION OF EV BATTERIES USING MACHINE LEARNING
8	383	MONICA SUBASHINI	MINDEASE: AN EMPATHETIC AI COMPANION FOR WOMEN'S MENTAL WELLNESS

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4	**SESSION TITLE**	**POWER - II**				
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S. NO.	PAPER ID	AUTHOR (S)	PAPER TITLE
1	20	M.A INAYATHULLAAH*, **NIVETHITHA B.S.**, ANKIT V, DHAVAKUMAR P	INTELLIGENT VOICE-CONTROLLED DOMESTIC ELECTRICAL APPLIANCES
2	115	ARULKUMAR KALYANASUNDARAM*, AJAY SANKAR YADAV S, SREENIVAS CHIKKAM, **BUKKE WINAYA SSRUSTE,** ARUN V	GSM BASED INTELLIGENT UNDERGROUND CABLE FAULT DETECTION
3	128	P BALAKRISHNAN*, **ATUL KUMAR SINGH**	ANALYSIS IN THD MITIGATION STRATEGIES FOR V2G-G2V SYSTEMS: ADAPTIVE, ACTIVE, HYBRID, AND PASSIVE FILTER PERFORMANCE UNDER DYNAMIC AND NON-LINEAR LOAD CONDITIONS
4	182	**NANDAN GOPINATHAN**, JISHU MARY GOMEZ, PRABHAKAR KARTHIKEYAN SHANMUGAM*, JACOB RAGLEND I	ENHANCED GRID INERTIA MANAGEMENT: A PSO-TRAINED ANN APPROACH FOR FLEXIBLE POWER POINT TRACKING IN PHOTOVOLTAIC OPERATION
5	183	PRAVEEN KUMAR N*, **KOWRANTH VP**	UNIFORM DEMAGNETIZATION FAULT ANALYSIS IN IPMSM USING FEM AND MACHINE LEARNING
6	195	**VENKATESAN K R**, RAVI KUPPAN*	ENHANCED FREQUENCY STABILITY IN GRID-CONNECTED PV SYSTEMS USING ZEBRA OPTIMIZATION ALGORITHM (ZOA)-TUNED PID CONTROL OF VIRTUAL SYNCHRONOUS GENERATORS
7	212	MOWNISH BUGATHA*, **VINOD BABU PUSULURI,** RANI MEDIKONDA	LYAPUNOV-STABLE ENHANCED RATE-HARMONIC DERIVATIVE-PRIORITY (RHDP) SCHEDULING: A PRECISION RTOS FRAMEWORK FOR 2ND-ORDER MEDICAL CONTROL SYSTEMS
8	258	**BALAMURUGAN PARANDHAMAN***	DOUBLE INTEGRAL SLIDING SURFACE BASED FIXED FREQUENCY PWM CONTROL OF SHUNT ACTIVE POWER FILTER

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5	SESSION TITLE	**RENEWABLE ENERGY - I**				
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S. NO.	PAPER ID	AUTHOR (S)	PAPER TITLE
1	41	SARVESH M R, HARSH SHUKLA, PURAB JAIN, **DEEPA THANGAVELUSAMY***, ARAVIND C K, KRISHNA KUMBA	ARDUINO ENABLED SMART IRRIGATION SYSTEM: A SUSTAINABLE APPROACH FOR EFFICIENT WATER MANAGEMENT IN AGRICULTURE
2	95	**KRISHNA KUMBA***, ARUN R, P HARINI, PATRI UPENDER	IOT-DRIVEN SMART BATTERY MANAGEMENT SYSTEM FOR PERFORMANCE OPTIMIZATION OF LITHIUM-ION AND LEAD-ACID BATTERIES IN ELECTRIC VEHICLES
3	143	**ABHIGYAN SHARMA,** SATHYA PICHANDI*, HARI SHANKAR CHANGARATH, ARYAN SAGAR PATIL	DESIGN OF A LEAD AND HTL-FREE DOUBLE PEROVSKITE CS2AGBIBR6 ABSORBER BASED SOLAR CELL
4	158	**GUDISA SIVA PRASAD**, DHANUSHRII TS, RESMI R*	SOLAR POWERED IRON BOX WITH MPPT MECHANISM
5	191	MADHURI MARRI, **MONICA PURUSHOTHAM***	HYBRID CNN-TRANSFORMER AND YOLOV8-BASED ROBUST REAL-TIME OBJECT DETECTION FOR AUTONOMOUS VEHICLES
6	203	**KUMARAVEL SUBRAMANI***, DHARUN PRASANTH G, GIRI RAAJ A V, HELSON BOBY J, SRI RAJA BALAGURU V. S	SMART METER IMPLEMENTATION FOR ADVANCED HOME ENERGY OPTIMIZATION

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6	SESSION TITLE	**COMPUTING - II**				
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S. NO.	PAPER ID	AUTHOR (S)	PAPER TITLE
1	14	**JAYAPRIYA M***, PRIYANKA R, RENUGA DEVI G, JENIPA R, MATHUMITHA T, DEEPA LAKSHMI A	REAL-TIME ROADSIDE ANIMAL DETECTION FOR TRAFFIC SAFETY USING YOLOV8 AND FASTER RCNN
2	33	SURESH KUMAR S, **SHANMUGASHREE M***, VIJAY KUMAR V, VIKASHINI S	OPTIMIZING POWER CONSUMPTION IN DATA CENTERS FOR SUSTAINABILITY
3	35	SIDHANTHA PODDAR, **SWATHI JAMJALA NARAYANAN***, BOOMINATHAN PERUMAL	SENSOR BASED HUMAN ACTIVITY RECOGNITION IN LOCOMOTION USING STACKED DEEP LEARNING NETWORK
4	53	FLORA VAYALAPPALLIL, CHRIS VAYALAPPALLIL, AADARSH RAI, **SANTHI V***	REAL-TIME VOICE SIGNAL CLASSIFICATION FOR IDENTIFYING EMERGENCY SCENARIOS USING DEEP LEARNING
5	62	**SAI NIKHIL S***, SHANTHOSH BABU R, PRIYA N, P ARUNA	HUMAN-CENTERED ARTIFICIAL INTELLIGENCE (HCAI): AN ETHICAL APPROACH
6	74	AMOGH SINGH, **CHRISTY JACKSON JOSHUA***, ABRAHAM SUDHARSON PONRAJ	SWARMROUTE: COLLABORATIVE OPTIMIZATION FOR EFFICIENT LOGISTICS ROUTING WITH ROAD METRIC OPTIMIZATION
7	96	**KAILASH SENTHILKUMAR,** ANURUP SANKRITI, KAMALAKANNAN J*	DEEP LEARNING-BASED ARRHYTHMIA CLASSIFICATION WITH 2-D ECG SPECTRAL IMAGES
8	104	**FASEELA M H***, P R HITESH, KOPPALA GURAVAIAH, MANJITH B C	TRANSFORMING GENERATIVE ADVERSARIAL NETWORK MODELS INTO FPGA ACCELERATORS: A CASE STUDY USING HLS4ML AND VIVADO

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SESSION TITLE	**COMPUTING - III**				
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S. NO.	PAPER ID	AUTHOR (S)	PAPER TITLE
1	113	**DHAMODHARAN K**, THANAPAL PANDI*	MASK REGIONAL GRAPH NEURAL NETWORK BASED DEEP LEARNING TECHNIQUES FOR FISH IDENTIFICATION AND TRACKING IN THE UNDERGROUND
2	118	**GIRIJA RANI***	ENHANCED PNEUMONIA DIAGNOSIS USING MASK R-CNN AND RESNET50-BASED DEEP LEARNING ON CHEST X-RAYS
3	130	**TAPAN DAS***, AYAN BISWAS	FINE-TUNING AND OPTIMIZING LIGHTWEIGHT LLMS FOR DOMAIN-SPECIFIC USE CASES
4	137	**VENKATA NAGA GANESH JUJHAVARAPU***, ALLU PRANAV SRIHAS, SUBRAMANIYASWAMY VAIRAVASUNDARAM, RAGAVAN K	DETECTING EARTH-HAZARDOUS ASTEROIDS USING GRAPH SAMPLE AND AGGREGATE ALGORITHM
5	141	**HARSHIT BOGINENI***, TUSHAR KOLLI, SANTHOSH KUMAR REDDY KATTA, APPALARAJU MURALIDHAR	MULTI-SCALE ATTENTION-DRIVEN DEEP LEARNING FOR ROBUST FUNGAL DETECTION AND SEGMENTATION IN FLUORESCENT VINE WOOD MICROSCOPY IMAGES
6	145	**SIVA CHAITHANYA V,** VIJAYABHASKARAMOORTHY V (, SAINIRANJAN T S, BHARATHWAJ R, SWAPNA T R*	HYBRID CNN-TRANSFORMER MODEL FOR ORAL CANCER DETECTION FROM ORAL PHOTOGRAPHS
7	149	ADHVAITH H, **LATHIKA JENIFER V,** NAVEENA S, NITHIN AADHAV S, RESMI R*	COMPARATIVE ANALYSIS OF SIGNAL CLASSIFICATION USING MACHINE LEARNING AND NEURAL NETWORKS
8	151	ADITI SANDEEP, SNEHA VORUGALLU, **VIJAYALAXMI H***, HARISH S V, SANDHYALAXMI G N	CORONARY ARTERY DISEASE DETECTION USING MACHINE LEARNING

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	SESSION TITLE	**COMPUTING - IV**				
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S. NO.	PAPER ID	AUTHOR (S)	PAPER TITLE
1	154	**K VIJAYALAKSHMI***	DEEP HYBRID MODELS FOR ACCURATE SKIN DISEASE DIAGNOSIS USING MEDICAL IMAGING
2	156	MOHITHAA MOHITHAA K K, NIVETHA NIVETHA G.K G.K, **NEERAJ RAGHAV V.R**, RESMI R*	REINFORCEMENT LEARNING FOR ELECTRIC VEHICLE SUSTAINABILITY: OPTIMIZING DRIVING, BATTERY HEALTH, AND CHARGING OPERATIONS
3	166	**GRACELINE JASMINE***, GABRIEL JOSHUA, LOURDEENA J S, LILA IZNITA IZHAR, BENIN R	OPTIMIZING SOWING DATES AND CROP YIELD WITH PREDICTIVE MODELS
4	168	P BALAKRISHNAN*, **KAUSHIK RAJ**	REMAINING USEFUL LIFE PREDICTION OF LI-ION BATTERIES USING CLASSICAL MACHINE LEARNING
5	180	KURALANBU S*, SAI KRISHNA ACHANTA, AATHITHYA V, **VIMAL N,** SHANMUGHASUNDARAM R, VEERA ALAGIRI S	MACHINE LEARNING CLASSIFIERS FOR DISEASE DIAGNOSIS USING WRIST PULSE SIGNAL
6	186	**GEETHA GANESAN***, SWAMINATHAN J N, JAGADEESH A	FORECASTING TEMPERATURE PATTERNS USING LSTM FOR ENHANCED AGRICULTURAL DECISION-MAKING
7	188	**DEVIKA RAJKUMAR***, **HIMAVARSHINI ANNAREDDY**, LASYA JETTI, ANJALI T	MEMORY LANE: AN AI-POWERED COGNITIVE COMPANION FOR ALZHEIMER'S PATIENTS
8	204	**T. SHEEBA HELEN,** J. JOHN, A. ARUL ASHA	DEVELOPING SMART CITY APPLICATIONS EMPLOYING THE VERTEX FIXED VERTEX-TO-EDGE GEODETIC NUMBER OF GRAPHS

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9	SESSION TITLE	**COMPUTING - V**				
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S. NO.	PAPER ID	AUTHOR (S)	PAPER TITLE
1	82	UDHAYAKUMAR S*, **TERLI SAI KRISHNA**, THANUSREE PYATLO	A COMPREHENSIVE FRAMEWORK FOR ADVANCED API SECURITY AND REAL-TIME MONITORING
2	125	SASIKUMAR K, VAISHNAVI MUNUSAMY, SIVAKUMAR NAGARAJAN, **SUDHA SENTHILKUMAR***	CHESTX-ENSEMBLENET: A ROBUST ENSEMBLE FRAMEWORK FOR MULTI-CLASS LUNG DISEASE DETECTION FROM CHEST X-RAYS
3	134	**MOSES SINGGIH**, AKHMAD ARZHANIE*, FARIDAH YASNITA, FARIS BUDIANTO	THE IMPACT OF AI ON WORKER PRODUCTIVITY: A SYSTEMATIC LITERATURE REVIEW
4	192	**KANIMOZHI G*; ALEN RUFUS**	MODELING DEGRADATION PATTERNS ACROSS FIRST-LIFE AND SECOND-LIFE EV BATTERIES USING DEEP LEARNING
5	205	**T. SHEEBA HELEN,** R. SUGANYA, V. SUJIN FLOWER	DETERMINING TRAFFIC-ACCIDENTAL ZONES IN A ROAD NETWORK USING CHROMATIC DOMINATING SETS
6	206	**G SHEEBA**, T. M. SELVARAJAN	A TRIANGLE FREE BIPOLAR FUZZY DETOUR'S G-BOUNDARY NODE WIENER INDEX-BASED MEASUREMENT OF BETWEENNESS CENTRALITY IN A NETWORKING SYSTEM
7	288	**JANAKI GOVINDARAJ***, UMANANDHINI UDAY KUMAR	E-COMPLAINT MANAGEMENT SYSTEM FOR WOMEN HARASSMENT USING BLOCK CHAIN TECHNOLOGY
8	291	**ANGALAESWARI S**, ADITYA ARYAN, SOUHARD ADITYA SAHU, ROHAN KUMAR, AISHWARAYA PANDEY, ANIKET BARAVKAR, GNANA SWATHIKA OV*	DEVELOPMENT AND IMPLEMENTATION OF A NO-CODE PORTFOLIO CREATION PLATFORM USING AWS SERVICES

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10	SESSION TITLE	**ELECTRONICS - II**				
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S. NO.	PAPER ID	AUTHOR (S)	PAPER TITLE
1	42	**SANIEL BHATTARAI***, RIYA VAID, VETRISELVI T	SECURE AND ROBUST MEDICAL REPORT VERIFICATION USING DCT-BASED STEGANOGRAPHY WITH PATIENT ID
2	80	AARUSH KULKARNI, VIJWAL TRIVEDI, HARSHIT M, **RATHNA R***	DEEP LEARNING FRAMEWORK FOR STROKE DETECTION AND LESION SEGMENTATION ON BRAIN CT SCANS
3	98	**SANKARA NARAYANAN RAMU***, SIVRAJ P	IOT-BASED SMART PARKING AND E-BIKE SHARING SYSTEM
4	99	**NIRANJAN M***, SIVRAJ P	MESSAGE LATENCY ANALYSIS IN THE CONTROLLER AREA NETWORK
5	117	**ANUJ VERMA, SNEHASREE SENTHILKUMAR**, SHARMILA ASHOK*	DESIGN AND IMPLEMENTATION OF TWO-WAY SPEAKER AMPLIFIER
6	132	DR.G.THAMARAI SELVI*, **VIJAYA GOWRI G**, KISHORE KANNAN R S, SANTHOSH RAM R, BHUVANESHWAR S	IMPROVING LUNG CANCER DIAGNOSIS USING JOINT ALGORITHM FOR RELIABLE VISUALIZED INTELLIGENT SCREENING (JARVIS)
7	169	ABHISHEK GUDIPALLI*, SUJATHA CANAVOY NARAHARI, KRISHNA PRACHETH K, **PAVAN VENKATA SAI B**	DEEP INTEGRATED DENOISING AND SUPER RESOLUTION FRAMEWORK FOR PANCHROMATIC AND MULTISPECTRAL IMAGE FUSION
8	185	ABHISHEK GUDIPALLI*, SUJATHA CANAVOY NARAHARI, **SOHAN NEMMANIWAR,** SANKEERTH V S S, HARISH GOUD M	BRAINDX: TUMOR DETECTION AND SEGMENTATION WITH EFFICIENT NEURAL NETWORKS
9	200	**SATHYA PICHANDI***, SANTHOSH SRI KUMARAN Y, JOGINDHIRAN K J, POORNA CHANDRA KUMAR S	A 90NM RING VCO WITH SLEEP-STACK BIASING FOR LOW POWER AND PHASE NOISE REDUCTION
10	213	**JOSHUA ARIEF***, OSMA RAHMA, KHUSNUL AIN, FADLI AMA, ALFIAN PRAMUDITA, NAFISA ALAMI, NITA LUTFIYAH, KHOULIYA ZALDA	FEATURE EXTRACTION FROM BRAIN MAPPING ELECTROENCEPHALOGRAM SIGNALS USING LOW-RESOLUTION ELECTROMAGNETIC TOMOGRAPHY (LORETA)

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11 | CONTROL & INSTRUMENTATION - I

SESSION TITLE	**CONTROL & INSTRUMENTATION - I**				
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1	75	SRINIVASAN S, **SARAVANAKUMAR RAJU***, PANKAJ SHARMA, NITHIN T, VINOTHBABU G, CHENDURAN A	DEVELOPMENT OF AN IOT-ENABLED ENVIRONMENTAL MONITORING SYSTEM FOR INTEGRATED AIR AND SOIL QUALITY ANALYSIS
2	83	**SARAVANAKUMAR RAJU***, CHENDURAN A, PANKAJ SHARMA	RASPBERRY PI-BASED IOT SYSTEM FOR REAL-TIME PATIENT MONITORING AND EARLY HEALTH DETECTION
3	100	**WAHYUNI NINGSIH***, ADE SONYA SURYANDARI, MOHAMMAD GHANI, PROFIYANTI HERMIN SUHARTI, MAY KURNIA PRATIWI, ANUGRAH WINDY MUSTIKARINI	OPTIMIZATION OF PID CONTROL SYSTEM IN A PCT-14-BASED PRESSURE CONTROL SYSTEM USING GENETIC ALGORITHM
4	159	**TAKASHI MITSUISHI***	POLAR COORDINATE TRANSFORMATION AND DEFUZZIFICATION OF PERIODIC MEMBERSHIP FUNCTIONS
5	193	**LILIK JAMILATUL AWALIN***, MUHAMMAD SYAHRIL MUBAROK, HAZLIE MOKHLIS, MOHD SYUKRI ALI, SYAHIRAH ABD HALIM, HASMAINI MOHAMMAD, MOHAMAD FAJAR BAIHAQI, MUHAMMAD RIZKY TAUFIQURRAHMAN, FEBY ANANTA SARI	FAULT TYPE DETECTION AND CLASSIFICATION USING RULE-BASED APPROACH
6	217	GAUTAM KARTHIK, **RAJA SINGH ***, PONNAMBALAM PATHIPOORANAM, BENITTO ALBERT RAYAN, JESURAJAN M, YUVARAJA S	IOT BASED WIRELESS CONTROL OF PMDC DRIVE SYSTEM USING ARM PROCESSOR FOR INDUSTRIAL APPLICATION
7	226	**EKA RACHMA APRILIDANTI***, WILDA PRIHASTY, SISCA DINA NUR NAHDLIYAH, ALDI YUDHA PRATAMA, MUHAMMAD FIRZA AJI ZULFANI	IMPROVEMENT OF THE TRAFFIC LIGHT SYSTEM AND RAILWAY GATE AT WONOKROMO STATION SURABAYA USING PLC
8	410	MANAV KUMAR, ARUNAVO DAS, RAJALAKSHMI M, **RAZIA SULTANA W***, CHITRA A.	DESIGN AND CONTROL OF A DUAL ACTIVE BRIDGE CONVERTER FOR EV BATTERY CHARGING

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12	SESSION TITLE	COMPUTING - VI				
	DATE	25-SEPTEMBER-2025	DAY	THURSDAY	TIME	15:45 – 17:15 **WIB** | 16:45 – 18:15 **MYT** | 14:15 – 15:45 **IST**
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S. NO.	PAPER ID	AUTHOR (S)	PAPER TITLE
1	66	**SHRIDEVI S***, AYUSH NIKHARA, ARNAV ARYA, DAEHAN WON	EEG-BASED MENTAL HEALTH ANALYSIS AND CLASSIFICATION FOR HEALTHY BRAIN NETWORK(HBN)
2	157	**JONU S, SARANG S,** RESMI R*	TIC TAC TOE USING REINFORCEMENT LEARNING
3	163	**VAIRAM T***	HYBRID CONSENSUS SYSTEM FOR TRAFFIC SIGNAL MANAGEMENT USING BLOCKCHAIN
4	184	**KEVIN PANDIAN***, NAVEEN RAJ	DEPTH ASSISTED INTELLIGENT AUTOMATIC LANDING SITE ESTIMATION FOR UAVS
5	207	**SRIRAMALAKSHMI P***, OJASWA YADAV, AMAN SINHA, ANNIKA GUPTA	IOT AND LIGHT-GBM BASED ELECTRICITY THEFT DETECTION
6	236	**MOCHAMMAD SHULTAN SAIFUDDIN***, NATHANAEL INDRA PASERAN, AHMAD MAULA ROBBY, AHMAD GHIFARI RAMADHANI, YUTIKA EFFENDI	A WEB-BASED SMOTE–RANDOM FOREST MODEL FOR DIABETES CLASSIFICATION ON IMBALANCED DATA
7	242	**SHALINA FITRI***, TITO PURBOYO, DZIBAN NAUFAL	THE UTILIZATION OF 1-DIMENSIONAL CONVOLUTIONAL NEURAL NETWORK ARCHITECTURE IN CLASSIFYING ARRHYTHMIA IN ECG SIGNALS
8	244	**JASMINE WIJAYANTO***, TITO PURBOYO, DZIBAN NAUFAL	THE UTILIZATION OF TIME-FREQUENCY REPRESENTATION OF ECG SIGNALS FOR ARRHYTHMIA CLASSIFICATION USING CONVOLUTIONAL NEURAL NETWORK

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13	SESSION TITLE	**COMPUTING - VII**				
	DATE	**25-SEPTEMBER-2025**	DAY	**THURSDAY**	TIME	15:45 – 17:15 **WIB** | 16:45 – 18:15 **MYT** | 14:15 – 15:45 **IST**
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S. NO.	PAPER ID	AUTHOR (S)	PAPER TITLE
1	76	**PARVATHI R***, KALYANASUNDARAM V, KEERTHI AJ	GEOSPATIAL DECISION SUPPORT SYSTEM FOR OPTIMIZING RETAIL STORE PLACEMENT IN TRAVIS AND WILLIAMSON COUNTIES USING ARCGIS
2	90	ABHIRAM SHARMA, VASU ARYA, SAKSHAM ANAND, **SUGANYA R***, SHRIRAM K VASUDEVAN	RONA: RESOURCE OPTIMIZATION FOR NETWORK ALLOCATION IN VM SCHEDULING FOR EFFICIENT CLOUD COMPUTING
3	102	DHRUBA KUMAR, SAURABH DUTTA, **WONG RAYMOND***, HAZLEE AZIL ILLIAS, SOOK YEE YIP, YEE VON THIEN	IDENTIFYING INCOMPATIBILITIES OF THE PENTAGON METHODS FOR DISSOLVE GAS ANALYSIS USING VALIDATION INDICES
4	144	**ENDAH PURWANTI***	BIG DATA-DRIVEN SENTIMENT AND TOPIC EXTRACTION IN INDONESIAN E-GOVERNMENT APPLICATIONS
5	260	**SENTHILPRABHA R***	SWIPE-BASED IMPLICIT CONTINUOUS USER AUTHENTICATION FOR TOUCH SCREEN MOBILE DEVICES
6	273	**JAMUNA K**, SAINY MISHRA, ADITI BHARGAV, TERESA SARA SAJI, ANSHIKA ACHARYA, GNANA SWATHIKA OV*	BINARY BITS: A TECH BLOG WEBSITE PLATFORM HOSTED ON AWS EC2
7	294	AAYUSHI YOGESH MALODE, ANNA JOHN, ALYSSA DOMINICA SEQUEIRA, PRAJOT PRAKASH BORKAR, **GNANA SWATHIKA OV***	CHATBOT WITH VOICE ASSISTANT INTEGRATED IN A WEBSITE USING AMAZON LEX, S3, CLOUD FORMATION AND CLOUD FRONT
8	335	DANYA S*, **BOSE S, GOKULRAJ G**, PRADEEP KUMAR M, ILLAKIYA VARSHINI C, SHRUTHI T	LISA: A LIGHTWEIGHT AUTHENTICATED ENCRYPTION SCHEME FOR BLOCKCHAIN-BASED IOMT SECURE DATA TRANSMISSION AND IDENTITY VERIFICATION
9	361	**JAYAKRISHNAN P***, PANKAJ NAIR V. M.	ASIC IMPLEMENTATION OF 5-STAGE PIPELINED RISC-V PROCESSOR WITH 4-STAGE PIPELINED MULTIPLY UNIT USING OPENLANE
10	423	TAMILARASI W, **BALAMURUGAN BOMMAHALLI JAYARAMAN***	QSPR ANALYSIS OF POLYCYCLIC AROMATIC HYDROCARBONS THROUGH REVERSE SUM REVAN TOPOLOGICAL DESCRIPTORS BY RANDOM FOREST AND ARTIFICIAL NEURAL NETWORK METHODS

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14	SESSION TITLE	POWER - III				
	DATE	**25-SEPTEMBER-2025**	DAY	**THURSDAY**	TIME	15:45 – 17:15 **WIB** | 16:45 – 18:15 **MYT** | 14:15 – 15:45 **IST**
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S. NO.	PAPER ID	AUTHOR (S)	PAPER TITLE
1	262	**BALA DURAI KANNAN P I D T***, RAVI K, HEMA SEKHAR A, MURALI M, MALLIKARJUNAIAH S, ANIL KUMAR B	SOLAR BASED LOAD SIDE SELF-HEALING DC MICROGRID SYSTEM
2	293	**NGAHA WILLY STEPHANE***, CHANDIMA GOMES, DAVID DORRELL	FLYWHEEL ENERGY STORAGE SYSTEMS UTILIZATION FOR SHORT DURATION POWER SYSTEMS FREQUENCY STABILITY SUPPORT
3	295	**ASHLY MARY TOM**, FEBIN DAYA J.L*, EDGAR PERALTA SANCHEZ, BENIN R	LSTM BASED VECTOR CONTROL APPROACH FOR PMSM DRIVES
4	312	CIBIANANTH D, **ALWIN NITHISH**, NAVEEN T R, NIHAR RAYALU Y, KRISHNA KUMBA, NAWIN RA	ENHANCING CURRENT MEASUREMENT ACCURACY IN CT-POWERED DEVICES WHILE MITIGATING CORE SATURATION
5	324	**ARJUN T***, ABHIRAM K, DIVYA R	REAL-TIME IMPLEMENTATION OF ENHANCED EFFICIENTNETB3 FOR SMART GRID FAULT DETECTION
6	351	**SHYAMALAGOWRI MURUGESAN***	AI-ASSISTED MODEL PREDICTIVE CONTROL FOR REAL-TIME OPERATION OF MODULAR MULTILEVEL CONVERTERS UNDER DYNAMIC LOAD CONDITIONS
7	379	**INDRAGANDHI V***, POORNESH M, WALID ISSA, SUBRAMANIYASWAMY V	WIDE BAND GAP SEMICONDUCTOR DEVICES IN POWER CONVERTER DESIGN FOR ELECTRIC VEHICLE APPLICATIONS
8	397	**MEIKANDASIVAM S***, VIJAYAKUMAR D, YASHRAJ SINGH, ABHIGNA RAPTAD, ANTRA NAKHASI, VASADI GOWTHAM RAJ	ELECTRIC VEHICLE CHARGING STATION WITH SOLAR PV AND GRID POWER

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15	**SESSION TITLE**	**COMPUTING - VIII**				
	DATE	**25-SEPTEMBER-2025**	DAY	**THURSDAY**	TIME	15:45 – 17:15 **WIB** | 16:45 – 18:15 **MYT** | 14:15 – 15:45 **IST**
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S. NO.	PAPER ID	AUTHOR (S)	PAPER TITLE
1	208	**AMBIKA SHARANRAJ KELEGONKAR***, GURURAJ MUKARAMBI	IMAGE-BASED CRACK DETECTION SYSTEM: A REVIEW
2	209	**SURIYA BEGUM M,** KALAIVANI S*	AN EFFECTIVE METHOD FOR OVERLAPPED NUCLEI SEGMENTATION IN BREAST CANCER HISTOPATHOLOGY WITH COMPOSITE UNET++ ATTENTION AND THE HOVER-NET MODEL
3	211	**TATIREDDY RAVI***, SEELLA SRIVIDYA, MATCHA LOKANADHAM, S NATESAN, KAVALI VENKATAPATHI, SRIDEVI NASARI	THE AUTOMATED BRAIN TUMOR DETECTION IN MRI SCANS USING YOLOV10: A HIGH-ACCURACY DEEP LEARNING APPROACH
4	225	**GAYATHRI VENUGOPALAN***, LAVANYA P V, NITHYA VIJU, ANJALI T	FARMFORECAST: AN EXPLAINABLE AI SYSTEM FOR SUSTAINABLE AND PROFITABLE AGRICULTURE
5	239	**ALSAFA K Z***, EMIL SELVAN G S R, RAMKUMAR M P	REFERENCE GUIDED GENERATIVE ADVERSARIAL NETWORK FOR IMAGE DEFOGGING
6	254	**AADHARSH B***, POONGOTHAI M, DHARUNPRAKASH J	IOT-BASED SUPPORT SYSTEM FOR COGNITIVE FATIGUE AND POSTURE DETECTION USING CNN AND MACHINE LEARNING
7	257	**PRANAV SAI VASHISTA KAMARSU***, SHANMUGHASUNDARAM R	PREDICTING HEART DISEASE AT AN EARLY STAGE USING MACHINE LEARNING APPROACHES
8	264	K L SHREYAN REDDY, **AMOGH GUTHUR,** SYED THOUHEED AHMED*, BHAVANA N, PUNARVA BETTADAMANE CHANNABASAPPA	YOLOV8 DRIVEN POTHOLE DETECTION WITH MANUAL GEOLOCATION TAGGING FOR INTELLIGENT ROAD NETWORKS

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16	SESSION TITLE	**COMPUTING - IX**				
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S. NO.	PAPER ID	AUTHOR (S)	PAPER TITLE
1	268	**NITHIN KUMAR***	AIR WRITING RECOGNITION SYSTEM FOR REAL-TIME MATHEMATICAL EXPRESSION INTERPRETATION
2	277	**SYAMBABU BADUGU***, AMBETH KUMAR V.D., JOTHIKUMAR R	PROFICIENT BREAST CANCER PREDICTION USING AN OPTIMIZED CNN-LSTM MODEL: A HYBRID APPROACH FOR IMPROVED DIAGNOSTIC ACCURACY
3	279	**PRAGATHY V Y***, SRI JAYA VAISHNAAVI K S, ARUNA P, PRIYA N	ADAPTIVE AND KNOWLEDGE-EVOLVING MULTI-AGENT AI
4	285	**BRAHMA SAGAR GUNDA**	CODEGUARD: HYBRID DEEP NEURAL ANALYSIS OF SOFTWARE VULNERABILITIES WITH IMMUTABLE BLOCKCHAIN LOGGING
5	289	**RISHAV ADITYA***	CITRUS DISEASE DETECTION USING CONVOLUTIONAL NEURAL NETWORKS: A DEEP LEARNING-BASED PRECISION AGRICULTURE APPROACH
6	290	GANESAN M*, **NITHIN S**, NITISH R, ABHIJITH P	ATTENDANCE MONITORING SYSTEM USING IMAGE PROCESSING AND DEEP LEARNING
7	297	**HEMAPRABHA G,** PRIYA V S, AJEYPRASAATH KB*, PRABU S, KRISHNA KUMBA, MANIKANDARAJA G	MACHINE LEARNING-DRIVEN SMART HEALTH MONITORING WITH ANOMALY DETECTION AND SEVERITY ANALYSIS
8	298	SHIRAVANI DOSS M, **TEJA DEEPAK M**, SHIVA HARI KOWSHIK KALAVALA, AJEYPRASAATH KB*, SAKTHIVEL S, PRABU S	TAMILNEWS INSPECTOR: A MULTILINGUAL FAKE NEWS DETECTION FRAMEWORK USING SENTENCE EMBEDDINGS AND ENSEMBLE LEARNING

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17	SESSION TITLE	**COMPUTING - X**				
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S. NO.	PAPER ID	AUTHOR (S)	PAPER TITLE
1	255	**PRINCE JAIN,** VANMATHI C*, MANGAYARKARASI R	MULTICLASS BRAIN TUMOUR CLASSIFICATION USING SCT –GA ENABLED CONVOLUTIONAL NEURAL NETWORK
2	319	**SAMUNDI R***	MULTI-MODAL CLASSIFICATION OF PEDIATRIC LEUKEMIA USING PCA-ENHANCED GENE EXPRESSION AND CLINICAL DATA WITH XGBOOST
3	334	**GOKULRAJ G*,** BOSE S, DANYA S, MAHESWARAN N, PRADEEP KUMAR M, SHRUTHI T	A CONTINUOUS INTEGRATION FRAMEWORK FOR MACHINE LEARNING-BASED MOBILE BEHAVIOUR ANALYSIS
4	347	DEEPIKA R (VIT), **PRADEEP KUMAR T S***	TEXTUAL MEDICAL HISTORY SUMMARIZATION FOR DIAGNOSIS
5	354	**RISHAV ADITYA***	AI-POWERED PET HEALTHCARE: INNOVATIONS IN EARLY DIAGNOSIS AND INTELLIGENT VETERINARY ASSISTANCE
6	358	DINESH KUMAR D, **CHEMMALAR SELVI G***	PERFORMANCE ANALYSIS OF DECODER ARCHITECTURES BASED ON RECONSTRUCTION ERROR IN VIDEO SURVEILLANCE
7	359	**SYED SHAKIL MAHMUD*,** KHANDAKER JANNATUL RITU, OHIDUJJAMAN OHIDUJJAMAN, MAHMUDUL HASAN	REAL-TIME GUI-BASED FACIAL EMOTION RECOGNITION USING THE IEMOCAP DATASET
8	365	**MAITHILI KAMALAKANNAN*,** PINGILI VENKATARAMANA, VUDULA SHALINI, ILANSEZHIYAN IYYANAR IYYANAR	OPTIMIZATION AND NON-DESTRUCTIVE EXAMINATION OF HIGH-SPEED COMPUTATIONAL TECHNIQUE FOR TALENT IDENTIFICATION IN SPORTS

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	SESSION TITLE	**COMPUTING - XI**				
18	DATE	**25-SEPTEMBER-2025**	DAY	**THURSDAY**	TIME	15:45 – 17:15 **WIB** | 16:45 – 18:15 **MYT** | 14:15 – 15:45 **IST**
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S. NO.	PAPER ID	AUTHOR (S)	PAPER TITLE
1	321	SHIVAM MODHAVE, **MONICA K M***, MARIA ANU V	MODELING INDIA'S RENEWABLE ENERGY TRANSITION: A PREDICTIVE ANALYSIS USING TIME-SERIES TECHNIQUES
2	325	**SASSON TAFFWIN MOSES***, ABRAHAM DAVID L, EMIL SELVAN G S R, RAMKUMAR M P	A HYBRID DEEP LEARNING MODEL WITH ISOLATED THRESHOLDING FOR INTRUSION DETECTION IN WIRELESS SENSOR NETWORKS
3	330	**SAHANA MARKANDE***, NUTHAN B, CHETHOHAAR J M, ABHINAV L G, MINAL MOHARIR, SURESH VISHWANATHAN, MUNAL PATEL, SARAVANAN GOPALSWAMY	SAAS API MONITORING FOR SENSITIVE DATA AND ACCESS RISKS
4	357	**TARUN KARTHA***, DEVADATH S, KEERTHI PRABU P, SAIKISHEN P V, GOPIKA S N, DIVYA R	DECENTRALIZED SMART METERING SYSTEM USING BLOCKCHAIN
5	373	**PATIL DATTATRAYA***	EMAIL AUTOMATION AND ALERT SYSTEM FOR EMAIL MANAGEMENT AND DEADLINE TRACKING
6	375	UDHAYAKUMAR S*, **DHARSHINI SRI SU**, MOHANRAJ VENKATESAN	EXPLOITING BLUETOOTH LOW ENERGY VULNERABILITIES IN SMARTWATCHES THROUGH UUID MANIPULATION
7	404	BADMA PRIYA DHANANJAYAN, **MUTHUNANDHINI RAJADURAI,** PALANIVEL KALIYAPERUMAL*	MULTI-CRITERIA DECISION MAKING FOR OPTIMAL AND SUSTAINABLE SILVER NANOCATALYSTS IN ENVIRONMENTAL REMEDIATION

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	SESSION TITLE	**CONTROL & INSTRUMENTATION - II**			
19	DATE	**25-SEPTEMBER-2025**	DAY	**THURSDAY**	TIME	15:45 – 17:15 **WIB** | 16:45 – 18:15 **MYT** | 14:15 – 15:45 **IST**
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S. NO.	PAPER ID	AUTHOR (S)	PAPER TITLE
1	81	**IHSAN HASHIR***, DHARANI VENKATESH RAJ, MEHUL ALLURI, PRASATH T, SUMATHI V	COST-EFFECTIVE MAZE SOLVERS USED FOR AUTONOMOUS NAVIGATION IN RESCUE MISSIONS
2	106	SAGNEEK SENGUPTA, PRATIK KUMAR SINGH, ADYA BHALLA, **M MANIMOZHI***, PRAVEEN KUMAR M	MODEL BASED AND MODEL FREE CONTROL FOR ACTIVE SUSPENSION SYSTEM
3	114	**MUTHUMALATHI M***, PANKAJAVALLI P.B, PRIYA DHARSHINI A	A NETWORK-BASED APPROACH FOR CLOCK SYNCHRONIZATION IN WIRELESS SENSOR NETWORKS
4	146	GEETHA G*, **GEETHANJALI P**	AI-DRIVEN STATOR FAULT DETECTION USING TIME-DOMAIN FEATURES OF CURRENT SIGNAL
5	215	**SUBBULEKSHMI D***, SAWAN KUMAR, SWANAND YAMGAR, SURAJ KUMAR, ANKIT KUMAR	WIRELESSLY OPERATED AUTOMATED HAND
6	271	CHAMAKURA KRISHNA REDDY*, RAMPELLI MANOJKUMAR, PRASANTA KUMAR JENA, BALUSU SRINIVASA RAO, **CHAKALI GOWTHAMI**, YERRABACHALA ROSHINI	SOLAR-POWERED REAL-TIME AIR QUALITY MONITORING SYSTEM USING ARDUINO
7	296	**VIGNESH V**, ABISHECK C, AJEYPRASAATH KB*, PRABU S, MATHAN KUMAR M, MARIMUTHU M	AUGMENTED REALITY PROSTHETIC LIMB TRY-ON: REAL-TIME AR VISUALIZATION AND FITTING
8	302	**AMY FEDORA***, SANTHOSHI S, DR. MANIMOZHI M	COMPARATIVE EVALUATION OF HEART PULSE DETECTION SENSORS USING STATISTICAL ANALYSIS AND BLAND-ALTMAN METHOD
9	303	**KIRUTHIK PRANAV P V**, HARISHKAR B, UDHAYAKUMAR S*, K GEETHA	PATCHOPS: AN AUTOMATED VULNERABILITY DETECTION AND PATCH MANAGEMENT SYSTEM FOR WINDOWS ENVIRONMENTS
10	314	SHANMUGASUNDARAM M*, AASISH V G, **MARI SHANKAR C**	FREERTOS BASED SMART WASTE MANAGEMENT SYSTEM

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20 | ELECTRONICS - III

SESSION TITLE	**ELECTRONICS - III**			
DATE	**25-SEPTEMBER-2025**	**DAY**	**THURSDAY**	**TIME** 15:45 – 17:15 **WIB** | 16:45 – 18:15 **MYT** | 14:15 – 15:45 **IST**
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S. NO.	PAPER ID	AUTHOR (S)	PAPER TITLE
1	21	PRIYANKA ROY, **RAJA SINGH R***, DHEEBA J, SITHARTHAN R, KETAKA SINGH	ANDROID UI BASED PORTABLE PCB COMPONENTS IDENTIFICATION SYSTEM USING TEMPLATE MATCHING IMAGE PROCESSING STRATEGY
2	92	**SURYA K**, SAMHITH K, MONISH KUMAR H S, SHANMUGASUNDARAM M*	WATT WATCHER: AN RTOS-POWERED ENERGY METER
3	93	KUNAL SANJAY GUGALE, YASH RAKESH MISTRY, SHARON JOSE B L, **SHANMUGASUNDARAM M***	OPTIMIZED REAL-TIME CONTROL FOR SOLDERING STATION
4	139	**J GURUNADHAN***, BUDHADITYA BHATTACHARYYA	ADAPTIVE RIS-ASSISTED USER MANAGEMENT FOR NOMA IN 6G NETWORKS
5	170	**ABHISHEK GUDIPALLI***, AMUTHA PRABHA N, NEHA D, SUBHANU M	DESIGN OF FRONT-END CIRCUIT FOR PULSE OXIMETER WITH EMERGENCY ALERT SYSTEM
6	202	**DR. USHA KOMMURI***, **NAGAJAYANTHI BOOBALAKRISHNAN**	LOW PROFILE DUAL-POLARIZED FOUR ARM ANTENNA FOR ENERGY HARVESTING FOR LOW POWER DEVICES
7	233	RAJ ANSU, SHARMA ASTITVA, SHARMA DHRUV, **DEEPIKA SONA***	AI-DRIVEN QOS OPTIMIZATION AND BUFFER MANAGEMENT IN SOFTWARE DEFINED NETWORKS
8	235	GHOSH SATAKSHI, BHUNIYA TUHINA, **DEEPIKA SONA***	MEDINET: AN OPTIMIZED NETWORKING ARCHITECTURE FOR SECURE AND EFFICIENT HEALTHCARE DATA TRAFFIC MANAGEMENT
9	282	**SHANMUGASUNDARAM M***, TARIQUE ZAHIR HUSSAIN	AUTONOMOUS OBSTACLE-AVOIDING ROVER WITH PATH RETRACING AND OBJECT DETECTION USING RASPBERRY PI AND TENSORFLOW

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21	SESSION TITLE	**RENEWABLE ENERGY - II**				
	DATE	**26-SEPTEMBER-2025**	DAY	**FRIDAY**	TIME	14:00 – 15:30 **WIB** | 15:00 – 16:30 **MYT** | 12:30 – 14:00 **IST**
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S. NO.	PAPER ID	AUTHOR (S)	PAPER TITLE
1	59	**SABASTIAN NASIER***, ARIF NUR AFANDI), SUJITO SUJITO, LANGLANG GUMILAR, JOHAN BUDI APRYANTO	ANALYSIS OF SUPERCRITICAL STEAM GENERATOR PERFORMANCE AT PT. LESTARI BANTEN ENERGI STEAM POWER PLANT BASED ON COAL
2	355	UDHAYAKUMAR KARTHIKEYAN, **HUSSAIN JAKEER***	PERFORMANCE EVALUATION OF P&O MPPT CONTROL IN SMALL-SCALE WIND ENERGY CONVERSION SYSTEM UNDER VARIABLE LOAD AND WIND SPEED CONDITIONS
3	360	**WU ZHI SHAN***, CHIN CHRISTINA MAY MAY, NOVITA SAKUNDARINI, AKHIL GARG	DEVELOPING AN EFFICIENT ELECTRIC VEHICLE CHARGING FRAMEWORK
4	362	**VARATHAN G,** BELWIN EDWARD JEYARAJ*	LEARNING TEMPORAL PATTERNS AND GLOBAL CONTEXT FOR WIND POWER FORECASTING USING AN EFFICIENT ATTENTION-DRIVEN FRAMEWORK
5	422	NATARAJAN MUTHUSWAMY*, **BALAMURALI DURAIVEL,** SABOOR SHAIK, SATHEESH ANBALAGAN	DESIGN, PERFORMANCE EVALUATION, AND HYDROGEN RECOVERY POTENTIAL OF A MOBILE SOLAR E-WASTE INCINERATOR USING SCHEFFLER DISH CONCENTRATOR
6	424	SABOOR SHAIK*, VIGNESHWARAN P, **JOEL ASHIRVADAM K**, SATHEESH A, NATARAJAN M, SREEKANTH U	INVESTIGATING THE EFFECT OF SOLAR IRRADIANCE AND SOLAR PV OUTPUT ON THE PRODUCTION OF GREEN HYDROGEN
7	445	**VIJAYA GOWRI GOVINDARAJU***, THAMARAI SELVI GOVINDARAJU, SHYAMALAGOWRI MURUGESAN, ANUSIYA BRAMMADEVAN	OPTIMIZATION OF PV BASED EV FAST CHARGING STATION USING MBO ALGORITHM
8	468	**SATHEESH ANBALAGAN***, MALCOLM NITHIN A GOMEZ, RANJITH C, SABOOR S, NATARAJAN M	SELECTION OF METAL HYDRIDE ALLOYS FOR TWO-STAGE AND THREE-STAGE HYDROGEN COMPRESSION SYSTEM
9	469	**DEVI RAJAN***, JEFFI SEBASTIAN, LAVANYA BABU, MARTIN BRITTO DHAS, SATHEESH ANBALAGAN	SYNTHESIS AND CHARACTERIZATION OF SILVER NANOFLUIDS EXERTED TO THE SHOCK WAVE FOR THE ENHANCEMENT OF HEAT TRANSFER APPLICATION
10	477	JIA YUN LIAN, NURULAFIQAH NADZIRAH BINTI MANSOR*, HAZLIE BIN MOKHLIS, **RIZKI MENDUNG ARIEFIANTO**, AIMAN MUQRI BIN MOHAMAD SUKRI, MOHAMMAD SAMEER AHMAD	ENERGY MANAGEMENT STRATEGY FOR COMMON SPACES IN HIGH RISE BUILDINGS CONSIDERING OPTIMIZED SOLAR PV OUTPUT

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SESSION TITLE	**ELECTRONICS - IV**				
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S. NO.	PAPER ID	AUTHOR (S)	PAPER TITLE
1	129	SUJATHA RAJKUMAR*, **NAYANTARA THOMAS**, LIYA TREESA PHILIP, PAMPANA JAHNAVI, VINOD SALUNKHE	ENHANCING SECURITY OF SEMICONDUCTOR SUPPLY CHAIN USING BLOCKCHAIN AND SMART CONTRACTS
2	240	**SAKTHIVEL R***	RUNTIME PREDICTION IN VLSI PHYSICAL DESIGN USING MACHINE LEARNING
3	249	RIRIES RULANINGTYAS*, IRFAN HAKIM BISYIR, KHUSNUL AIN, KUSUMO WIDI WARDANA, **NICO GILANG APRULLY**	AN SEMG-BASED STROKE SEVERITY OBJECTIVE ASSESSMENT USING RANDOM FOREST AND SMOTE
4	272	**BALAKRISHNAN SUBRAMANIAN***, SRINIVAS RAO K, MOHANA PRABHA K, RAJESH MANOHARAN	DYNAMIC IMAGE-BASED SCREENING FOR EFFECTIVE LIDAR DATA NOISE ELIMINATION IN UNSUPERVISED DRIVING
5	342	**TANMAY JOSHI***, ANWESHA ACHARJYA, RADHIKA LELE, SAKTHIVEL R	EFFICIENT HARDWARE IMPLEMENTATION OF RNN ALGORITHM FOR SPEECH RECOGNITION
palani	466	**RIZEE P J, JASMINE PEMEENA PRIYADARISINI M, ANURADHA T***, KISHORE BINGI, BHARGHAV M, SREEKANTH REDDY Y, SWAMI SAI K, **SWETA SARITA SARANGI**	ANALYSIS OF FEATURE EXTRACTION TECHNIQUES ON VARIOUS SIGNAL AND IMAGE ATTACKS_1

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23	SESSION TITLE	**COMPUTING - XII**					
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S. NO.	PAPER ID	AUTHOR (S)	PAPER TITLE
1	105	KOMMURU KARTHIKEYA, VISHAL REDDY PAKALA, DEEPIKA RANI SONA, **RASHMI DAS***	NATURAL LANGUAGE TO SQL FRAMEWORK: A STREAMLIT-BASED INTERFACE FOR NON-TECHNICAL USERS
2	300	**ANANTHAKRISHNAN V,** SOUNAK SHOME, MOHIT KUMAR, SURYAKIRAN R, THARAGA SHARMILAN, GNANA SWATHIKA OV*	AGRICURE: AN AWS S3-INTEGRATED DEEP LEARNING PLATFORM FOR AUTOMATED CROP DISEASE DETECTION
3	336	PRADEEP KUMAR M, BOSE S, DANYA S, **GOKULRAJ G***, ILLAKIYA VARSHINI C, PRABHU D	TOPIC GUIDED DIALOGUE MODELING WITH DOMAIN-AWARE STATE TRACKING
4	370	RESHMA GOPI R, **CHITRA A***, MAHER AL-GREER, RAZIA SULTANA W, INDRA GANDHI V, PUJARI HARISH KUMAR	ACO-LSTM DRIVEN PREDICTIVE ANALYSIS OF LITHIUM-ION BATTERY STATE-OF-CHARGE: A HYBRID APPROACH
5	430	**SENTHIL KUMAR S***, SURYAWANSHI MAYURESH SARJERAO, BOOPATHI M, NATARAJAN M	EVALUATION OF COMBINED RGB AND THERMAL IMAGING HUMAN DETECTION MODEL PERFORMANCE
6	444	BHAVYA NAGRATH, ADITYA GUPTA, VIVEK KUMAR, DEEPIKA RANI SONA, **RASHMI RANJAN DAS***	SMART AGRICULTURE: REAL-TIME TOMATO RIPENESS ASSESSMENT WITH YOLOV8 AND EDGE AI
7	475	**SANKARDOSS VARADHAN***	PERMANENT MAGNET DC MOTOR PARAMETERS ESTIMATION USING ARTIFICIAL BEE COLONY ALGORITHM
8	480	**NAGESPARAN AINARAPPAN***, EFFARIZA HANAFI, ZHAO GUANGPENG, HARINI NADARAJAN, NORRABIATUL ADAWIYAH BINTI JUSOH	ENERGY OPTIMIZATION AND MANAGEMENT SYSTEM FOR SMART BUILDINGS WITH IOT AND SUPPORT VECTOR REGRESSION-BASED PREDICTIVE MODELLING

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	24	SESSION TITLE	POWER - IV				

SESSION TITLE	**POWER - IV**				
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S. NO.	PAPER ID	AUTHOR (S)	PAPER TITLE
1	399	**PONNAMBALAM PATHIPOORANAM***, RAJASINGH R, THEJA THANUJ, VISHWAKUMAR V K, AFIYA S	IMPLEMENTATION OF FIELD ORIENTED CONTROL FOR INDUCTION MOTOR DRIVE FOR ELECTRIC VEHICLE APPLICATION
2	407	MEENU JOSE THEKKAN, **NANDAGOPAL ARUN***	ESTIMATION OF HEALTH INDICATORS IN BOOST CONVERTER BASED ON DIGITAL TWIN
3	414	**SAIHARSHITH K S***, SANJAYAAKASH T, RAHUL N, RUPESH KUMAR M, JABASHEELA L, LINCY JEMINA S	FUEL SPARK - EMBEDDED PRECISION SYSTEM FOR PROACTIVE FUEL AWARENESS AND OPTIMIZATION
4	439	NEHA HARINI B, LOHITHAA G.L, VETHASHRI J, SWETHA R, SRINIDI K. N, **IYSWARYA ANNAPOORANI K***, DEEPA T, RAJAGURU V	MPPT BASED SOLAR POWERED MODIFIED ZETA CONVERTER
5	446	SINGARAVELAN ARUMUGAM, **ANUSREE SHIBINDAS***, N. SAMANVITA, SHEFALI JAGWANI, GORADINDLA MANJUNATH REDDY, JNANESH K	CLOSED-LOOP PI CONTROL OF A BUCK CONVERTER ON WAVECT TRUCONTROL: A HARDWARE-VALIDATED APPROACH FOR POWER CONVERSION
6	451	LAKSHMANAN ARUNAGIRI*, B DEVANATHAN, **CHANDRASEKAR G**	INNOVATIVE ROBOTICS SOLUTIONS FOR ENVIRONMENTAL CONSERVATION A COMPREHENSIVE MODEL FOR PLASTIC WASTE COLLECTION
7	472	**KAJAL CHAVAN***	STUDY OF VERY FAST TRANSIENT OVER VOLTAGES AND MITIGATION TECHNIQUES IN A GAS INSULATED SUBSTATION USING NANOCRYSTALLINE RINGS

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25	SESSION TITLE	**RENEWABLE ENERGY - III**				
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S. NO.	PAPER ID	AUTHOR (S)	PAPER TITLE
1	229	**RISABH PAUL,** SATHYA PICHANDI*, ABESH BHATTACHARYA, TUHINA BHUNIYA	NUMERICAL MODELING AND EFFICIENCY ENHANCEMENT FOR CDTE/CDS THIN-FILM PHOTOVOLTAIC CELL
2	248	**PRABU THIYAGARAJAN*,** SASI K KOTTAYIL, MOHANRAJAN SR	ESTIMATION OF SPATIAL WIND ELECTRICITY GENERATION POTENTIAL BY CORRELATING WIND POWER DENSITY AND WIND UTILIZATION INDEX
3	307	**RAMYA G R*,** PRANAV S V, GOPPINATH SARAVANAN, ASWIN RAKSHA S, SHRICKAR NAGENDRA KUMAR, LEROY SAMUEL P	A NOVEL FRAMEWORK FOR AUTONOMOUS ELECTRIC VEHICLE SYSTEMS: 5G/6G NETWORK INTEGRATION WITH MACHINE LEARNING AND MULTI-ACCESS EDGE COMPUTING
4	366	**ANTONY MARY,** BELWIN EDWARD*	LEVERAGING MACHINE LEARNING AND DEEP LEARNING FOR LITHIUM-ION BATTERY HEALTH ESTIMATION IN ELECTRIC VEHICLES
5	412	**DEEPSHIGA M,** MANU A M, RESMI R*	HYBRID THERMOELECTRIC ENERGY HARVESTING SYSTEM WITH PHASE CHANGE MATERIAL (PCM) FOR CONTINUOUS POWER GENERATION
6	478	**BOOPATHI THARUMAN*,** I. JACOB RAGLEND	DESIGN AND OPTIMIZATION OF A WIND–SOLAR HYBRID MICRO-GENERATOR FOR ELECTRIC VEHICLE BATTERY SUPPORT
7	489	MANAV KUMAR, ARUNAVO DAS, RAJALAKSHMI M, **RAZIA SULTANA W***, CHITRA A.	DESIGN AND CONTROL OF A DUAL ACTIVE BRIDGE CONVERTER FOR EV BATTERY CHARGING

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SESSION TITLE	**COMPUTING - XIII**				
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1	374	NEELAMSETTI KIRAN KUMAR, PRISCILLA DINKAR MOYYA*, **RAHUL S G,** ANANT SINGHAL, RISHAB BHATIA, MALLIKA MANISH RAJPAL	ENSEMBLE LEARNING APPROACHES FOR DIABETES PREDICTION: A PERFORMANCE ANALYSIS
2	377	**PREEJA V***, T.S. SUBASHINI, JAYASUDHA J.S.	A GRAPH-ENHANCED ROBERTA-BART FRAMEWORK FOR ABSTRACTIVE TEXT SUMMARIZATION
3	380	**BINU RAJAN***, KAVITHA K, JAYASUDHA J S	MULTI CLASS NEURO DEGENERATIVE DISEASE CLASSIFIER FOR BRAIN MRI USING SWIN TRANSFORMER
4	385	AGILANDEESWARI L*, **SUVEDHA R**	STROKE PREDICTION USING SWIN TRANSFORMER AND LIME
5	386	**LAKSHIT PARDESHI**, BRISILLA R M*	STATE OF CHARGE ESTIMATION OF ELECTRIC-VEHICLE BATTERIES USING MACHINE LEARNING ALGORITHMS
6	415	**KARTHIKEYAN KARTHIKEYAN***, SATHIYAMOORTHY E	DEEP LEARNING FOR PREDICTING CARDIOVASCULAR EVENTS IN PATIENTS WITH NEUROLOGICAL DISORDERS: A MULTIMODAL ANALYSIS OF BRAIN-HEART INTERACTIONS
7	447	**LAKSHAY S***, BHAVYA BALAKRISHNAN, GAYATHRI DEVI G, KRUPA N, NIRANJAN C B	LEVERAGING AI FOR REAL-TIME DETECTION AND INTERVENTION IN ONLINE HARASSMENT"

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	SESSION TITLE	**COMPUTING - XIV**				
27	DATE	**26-SEPTEMBER-2025**	DAY	**FRIDAY**	TIME	14:00 – 15:30 **WIB** | 15:00 – 16:30 **MYT** | 12:30 – 14:00 **IST**
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S. NO.	PAPER ID	AUTHOR (S)	PAPER TITLE
1	448	**ALPHONSA SINI P J, DR SHERKY K K**	MINDSYNC: AN ENHANCED DEPRESSION DETECTION USING DEEP LEARNING WITH USING MULTIMODAL DATA FUSION
2	450	**RAJASEKAR NATARAJAN***, HARISH AGGARWAL, SIVA KRISHNA POKURI, SITI ZALIHA MOHAMMAD NOOR, AZLIN MOHD AZMI, HATHAITHIP NINSONTI SINTUYA	ENHANCING PHOTOVOLTAIC EFFICIENCY: A MODIFIED CONVOLUTIONAL NEURAL NETWORK FOR SOILING CLASSIFICATION
3	454	**BRISILLA R M***, AYUSHI SINHA, DHEEBA J	BEARING FAULT DIAGNOSIS OF EV MOTOR USING MACHINE LEARNING TECHNIQUES
4	467	**JAGADEESH GOPAL***, SANJAY S	FEDERATED MULTI-LAYERED DEEP NEURAL NETWORKS WITH ADAPTIVE HYPERPARAMETER OPTIMIZATION FOR PRIVACY-PRESERVING PERSONALIZED HEALTHCARE INTELLIGENCE
5	474	**SATHYARAJ J***	DEEP LEARNING WITH ENSEMBLE LEARNING MODEL FOR SHORT-TERM WIND SPEED PREDICTION
6	479	**SURESHKUMAR S**, GOVARDHAN KARUNANIDHI*	TRANSFORMER-DRIVEN HYBRID DEEP LEARNING FRAMEWORK FOR SINGLE-LEAD ARRHYTHMIA CATEGORIZATION ACROSS 21,837 ECG RECORDS FROM 18,885 PATIENTS
7	484	**HASINI E***, K LOKESH, ANILKUMAR P, ALLURI VENKATA RAMANA, MAHESH KUMAR MADANAPALLI, D PRABHU KUMAR	SPEECH RECOGNITION USING DEEP LEARNING TECHNIQUES: A COMPARATIVE STUDY

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28 CONTROL & INSTRUMENTATION - III

SESSION TITLE	**CONTROL & INSTRUMENTATION - III**				
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1	327	**RAHUL S G***, KALPANA DEVI P, LOGESWARI PANNEERSELVAM, TALARI SOFIYA RHEEMA, AVINAASH ARJUN V, T M AMIRTHALAKSHMI	A MACHINE LEARNING-BASED SMART AQUAPONICS FRAMEWORK FOR SUSTAINABLE BASIL CULTIVATION
2	350	**VISHALINI S***, TAMILARASI K), ASHWIN R PRIYADHARSHINI N, SABARIMUTHU M, MALATHI M	SMART DRYING CONTROLLER FOR COIR FIBER USING REAL-TIME THERMAL-MOISTURE FEEDBACK MECHANISM
3	371	**S SHRIRAM***	ENERGY EFFICIENT IAQ MANAGEMENT USING LOW COST SENSORS AND IOT
4	382	**PRADEEPA P***, SUNFIYA M, NETHRA S, PRIYADHARSHINI N, GOMATHY S, RADHA J	REAL-TIME FABRIC QUALITY MONITORING IN KNITTING MACHINES USING IOT AND EMBEDDED SYSTEMS
5	387	**HARINI V***	HAND SAFETY SYSTEM FOR STEEL INDUSTRY
6	403	KAUMUDI SHARMA*, DEVAKIKRISHNAN H, **V. BAGYAVEERESWARAN**	POSITION CONTROL OF SERVO MOTOR USING INTELLIGENT P CONTROLLER
7	431	**NOEL MARIA DEEPAK***, SENDURU SRINIVASULU	A REVIEW ON CRIME DETECTION IN VIDEO SEQUENCES USING MACHINE LEARNING AND QUANTUM TECHNOLOGIES
8	434	BAGYAVEERESWARAN V*, **MOHANADEVI SURESHBABU**	INTELLIGENT BATTERY SENSOR FAULT DETECTION FOR ENHANCED ELECTRIC VEHICLE SAFETY
9	463	**NITHISH T***, **NANDITHA DEV**, PRAVEEN KUMAR MEDARAMETLA	DESIGN OF ADVANCED IMC-PID CONTROLLER
10	465	**PRAVEEN KANNA SAKTHIVEL***, JAGANATHA PANDIAN B	CONTROL OF A NONLINEAR LIQUID LEVEL PROCESS USING DEEP DETERMINISTIC POLICY GRADIENT ALGORITHM

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29	SESSION TITLE	**ELECTRONICS - V**				
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1	218	**SANGEETHA V***, KALAIVANI S	EMBEDDED PROPORTIONAL PLUS INTEGRAL CONTROLLER FEEDBACK IN UNET++ FOR DYNAMIC FEATURE STABILIZATION AND SEGMENTATION OF LUNG NODULES
2	304	**SRINIDHI M R***, HASINI ANUGANDULA, TARUN P, ROHITH S, HEMANTH KUMAR D, JAYAPRAKASH S	DRIVECARE:HEALTH MONITORING AND SAFETY FOR DRIVERS
3	323	SREEPRIYA B, **AARTHY M***	RADIATION-HARDENED FLIP-FLOP DESIGN USING DICE AND QUATRO CELL FOR ENHANCED SOFT-ERROR RESILIENCE
4	332	**NIKHITA DANDOTI**, SUHAS SHIROL*, RACHANNA R U, AMIT KANTHI, SUNEETA V B	DESIGN AND VERIFICATION OF SERIAL COMMUNICATION PROTOCOLS USING SYSTEMVERILOG
5	340	MENAKA B, **RAMA PRABHA***	LOW POWER KEY- INSERTION TECHNIQUE USING FINFET FOR SECURE GATE-LEVEL DESIGN
6	343	**ANVIKA GUPTA***	BOTTLE PRECISION ORIENTATION AND ADJUSTMENT SYSTEM USING DIGITAL IMAGE PROCESSING
7	421	**VEDANTHSRIVATSON A***, SIVANANTHAM SATHASIVAM, PRAKASH RAMACHANDRAN	REVIEW ON HARDWARE ACCELERATOR HARDWARE SOFTWARE CO-DESIGN FOR MACHINE LEARNING
8	427	SHANMUGASUNDARAM M*, **HRISHI VENKITESH M**, SUDHARSANA PRASATH T V	MINIATURE ION PROPULSION SYSTEM WITH REAL-TIME FEEDBACK CONTROL
9	436	**VARUN JAIN***, ANUSHA K, AMAL CN, PRAKASH R	END-TO-END INTELLIGENT SOLUTION FOR SMART GARDENING USING AWS AND BLOCKCHAIN
10	438	**BHUVANA B P***, YOKESH V, SURYA BANDI, AJAY BABU V	DESIGN AND IMPLEMENTATION OF LOW-POWER REVERSE CARRY PROPAGATE ADDER ARCHITECTURE

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30	SESSION TITLE	**ELECTRONICS - VI**					
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S. NO.	PAPER ID	AUTHOR (S)	PAPER TITLE
1	316	K KARTHEESAN, BA PRASANTH, **V MUKESH KUMAR,** KRISHNA KUMBA, NAWIN RA*	HIGH-SPEED DATA TRANSFER USING LI-FI TECHNOLOGY: A NOVEL APPROACH FOR HARD DISK TO PC COMMUNICATION
2	320	**ARYA ANIKET,** SIDDHANT MALLIK, PREMALATHA L, KRISHNA KUMBA, NAWIN RA*	GREEN HIGHWAY INFRASTRUCTURE: SOLAR-INTEGRATED TOLL COLLECTION USING RFID AND IOT WITH DC-DC BOOST INTEGRATION
3	341	NAKUL S, **SIDDHARTH K**, PREMALATHA L, KRISHNA KUMBA, NAWIN RA*	VOLTAGE - CONTROLLED MULTI-BAND SIGNAL JAMMER FOR CELLULAR NETWORKS: DESIGN, VALIDATION, AND REGULATORY PERSPECTIVES
4	388	**SOWMYAA VATHSAN M S,** PRAKASH P*, KASTHURI P	PERFORMANCE ANALYSIS OF A DYNAMIC ALL-OPTICAL EQUALIZATION SCHEME FOR SCINTILLATION MITIGATION IN HIGH-SPEED FSO SYSTEMS
5	409	RACHIT MADHEGARIA, **VASU JAIN**, RUBAN NERSISSON*	REAL-TIME POSTURE MONITORING USING FLEXI SENSOR
6	425	**JEBA SANGEETHA NADAR***, DR. A. SHAJIN NARGUNAM	STAF-KGNN-RL: A KOOPMAN-INFORMED SPATIO-TEMPORAL LEARNING AND REINFORCEMENT FEEDBACK FRAMEWORK FOR ANOMALY DETECTION IN WIRELESS SENSOR NETWORKS
7	426	GOMATHY S, HEMA P, PRABHU T, **SUBHASINI SARAVANAN***, SWETHA J, SUBHASHREE M	AUTOMATIC CLEANING SYSTEM FOR INDUSTRIAL TRIPLE ROLLERS
8	437	**SOWMIYA P**, SUJITRA R, SRINIDHI M R, BHUVANA B P*, YOKESH V	IOT-BASED RURAL ANIMAL MONITORING AND THEFT PREVENTION SYSTEM
9	486	**FELICIA R P,** BRISILLA R M*	IOT BASED SMART IRRIGATION SYSTEM USING IMAGE PROCESSING

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