INSTITUTE OF TECHNOLOGY

Details about Publication by Faculty Members of IT, NU

Sr. No	Paper Title	Name of Journal	Author1	Author2	Author3	Department Name
1	EXPERIMENTAL AND SIMULATION STUDY OF RECTANGULAR AND CIRCULAR PRIMARY CLARIFIER FOR WASTEWATER TREATMENT	ENVIRONMENTAL TECHNOLOGY AND INNOVATION	PATEL N	BARVE J	RUPARELIA JAYESH P	CHEMICAL ENG.DEPT.(UG)
2	APPLICATION OF FUZZY LOGIC IN RIVER WATER QUALITY MODELLING FOR ANALYSIS OF INDUSTRIALIZATION AND CLIMATE CHANGE IMPACT ON SABARMATI RIVER	WATER SUPPLY	PATEL ANANT DARSHANBHAI	KARISHMA CHITNIS		CIVIL ENG.DEPT.(UG)
3	ANALYZING FUSION OF REGULARIZATION TECHNIQUES IN THE DEEP LEARNING-BASED INTRUSION DETECTION SYSTEM	INTERNATIONAL JOURNAL OF INTELLIGENT SYSTEMS	THAKKAR ANKITKUMAR RAJESHKUMAR	RITIKA LOHIYA		COMPUTER SCIENCE & ENG.DEPT.(UG)
4	VACOCHAIN: BLOCKCHAIN-BASED 5G-ASSISTED UAV VACCINE DISTRIBUTION SCHEME FOR FUTURE PANDEMICS	IEEE JOURNAL OF BIOMEDICAL AND HEALTH INFORMATICS	ASHWIN VERMA	PRONAYA BHATTACHARYA	MOHAMMAD ZUHAIR, SUDEEP TANWAR	COMPUTER SCIENCE & ENG.DEPT.(UG)
5	OPTIMIZATION OF MICROBIAL FUEL CELL PROCESS USING A NOVEL CONSORTIUM FOR AROMATIC HYDROCARBON BIOREMEDIATION AND BIOELECTRICITY GENERATION	JOURNAL OF ENVIRONMENTAL MANAGEMENT	ANWESHA MUKHERJEESHAH MANISHA TUSHAR	PURVI ZAVERI	RUSHIKA PATEL	ELECTRICAL ENG.DEPT.(UG)
6	BACKTRACKING SEARCH OPTIMIZATION APPLIED TO SOLVE SHORT-TERM ELECTRICAL REAL POWER GENERATION OF HYDROTHERMAL PLANT	ENGINEERING OPTIMIZATION	KUNTAL BHATTACHARJEE	ANIRUDDHA BHATTACHARYA	KATHAN SHAH	ELECTRICAL ENG.DEPT.(UG)
7	A 5.5 ?W 42NV/√ HZ CHOPPER STABILIZED AMPLIFIER FOR BIOMEDICAL APPLICATION WITH INPUT IMPEDANCE ENHANCEMENT	INTERNATIONAL JOURNAL OF ELECTRONICS AND TELECOMMUNICATIONS	NAIK AMISHA PARIMAL	ADESARA ANKIT		ELECTRONICS & COMMUNICATION ENG.DEPT.(UG)
8	PLANT CLASSIFICATION BASED ON LEAVES USING ARTIFICIAL NEURAL NETWORK	INTERNATIONAL JOURNAL OF INTEGRATED ENGINEERING	VISHWAD DESAI	VIJAY SAVANI	RUTUL PATEL	ELECTRONICS & COMMUNICATION ENG.DEPT.(UG)

9	SPECTRUM SENSING TECHNIQUES BASED ON LAST STATUS CHANGE POINT ESTIMATION FOR DYNAMIC PRIMARY USER IN ADDITIVE LAPLACIAN NOISE	WIRELESS PERSONAL COMMUNICATIONS	KHUSHBOO SINHA	Y N TRIVEDI		ELECTRONICS & COMMUNICATION ENG.DEPT.(UG)
10	A LOW NOISE HIGH INPUT IMPEDANCE CHOPPER STABILIZED BIO POTENCIAL AMPLFIER WITH RIPPLE REDUCTION TECHNIQUE	WALAILAK JOURNAL OF SCIENCE AND TECHNOLOGY	NAIK AMISHA PARIMAL	ADESARA ANKIT		ELECTRONICS & COMMUNICATION ENG.DEPT.(UG)
11	PRESSURE DROP MEASUREMENTS PERFORMED ON A CABLE IN CONDUIT CONDUCTOR (CICC) AT A NEW FACILITY DEVELOPED TO STUDY THERMO-HYDRAULIC CHARACTERIZATION	IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY	HITENSINH VAGHELA	B SARKAR	LAKHERA VIKAS JANARDHANPRASAD	MECHANICAL ENG.DEPT.(UG)
12	EXPERIMENTAL INVESTIGATIONS ON LEAKAGES IN POSITIVE DISPLACEMENT MACHINES	INTERNATIONAL JOURNAL OF ROTATING MACHINERY	HITESH PATEL	LAKHERA VIKAS JANARDHANPRASAD		MECHANICAL ENG.DEPT.(UG)
13	SUPERCRITICAL HELIUM COLD CIRCULATORS FOR NUCLEAR FUSION MACHINES: A COMPARATIVE OVERVIEW OF DIFFERENT HYDRODYNAMIC DESIGN APPROACHES	FUSION ENGINEERING AND DESIGN	JOTIRMOY DAS	LAKHERA VIKAS JANARDHANPRASAD	B SARKAR	MECHANICAL ENG.DEPT.(UG)
14	REVISITING THE PERFORMANCE OF EVOLUTIONARY ALGORITHMS	EXPERT SYSTEMS WITH APPLICATIONS	TEJAS M. VALA	VIPUL N. RAJPUT	ZONG WOO GEEM	PG- POWER SYSTEM - ELECTRICAL[EPS]
15	CONTROL OF PICO-HYDRO-PV-BASED DISTRIBUTED GENERATION WITH BATTERY SUPPORT FOR OFF-GRID ELECTRIFICATION	IET ENERGY SYSTEMS INTEGRATION	CHANDRAN VINEET P	SINGH BHIM		ELECTRICAL ENG.DEPT.(UG)
16	BILAYERED FAULT DETECTION AND CLASSIFICATION SCHEME FOR LOW-VOLTAGE DC MICROGRID WITH WEIGHTED KNN AND DECISION TREE	INTERNATIONAL JOURNAL OF GREEN ENERGY	O. YUGESWAR REDDY	SOUMESH CHATTERJEE	AJOY KUMAR CHAKRABORTY	ELECTRICAL ENG.DEPT.(UG)
17	MODIFIED CORRELATION DETECTOR BASED SPECTRUM SENSING WITH LAPLACIAN NOISE IN COGNITIVE RADIO	RADIOELECTRONICS AND COMMUNICATIONS SYSTEMS	KHUSHBOO SINHA	Y. N. TRIVEDI		ELECTRONICS & COMMUNICATION ENG.DEPT.(UG)

18	HYPERPARAMETER TUNING AND COMPARISON OF K NEAREST NEIGHBOUR AND DECISION TREE ALGORITHMS FOR CARDIOVASCULAR DISEASE PREDICTION	INDERSCIENCE JOURNAL OF SWARM INTELLIGENCE	GAJJAR SACHIN HARISHBHAI	PREETI BHOWMICK	SHITAL CHAUDHARY	ELECTRONICS & COMMUNICATION ENG.DEPT.(UG)
19	OPTIMIZATION OF PARAMETERS AND SUSTAINABILITY ASSESSMENT UNDER MINIMUM QUANTITY SOLID LUBRICATION ASSISTED MACHINING OF INCONEL 718	PROCESS INTEGRATION AND OPTIMIZATION FOR SUSTAINABILITY	MAKHESANA MAYURKUMAR ASHWINBHAI	K.M.PATEL		MECHANICAL ENG.DEPT.(UG)
20	THERMO-HYDRAULIC PERFORMANCE ANALYSIS OF A SOLAR AIR HEATER ROUGHENED WITH DISCRETE REVERSE NACA PROFILE RIBS	INTERNATIONAL JOURNAL OF THERMAL SCIENCES	YASH M PATEL	S V JAIN	LAKHERA VIKAS JANARDHANPRASAD	MECHANICAL ENG.DEPT.(UG)
21	PRESSURE INFLUENCE ON SATURATED BOILING OF R141B OVER CU AND SI-COATED SURFACES	PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS, PART E: JOURNAL OF PROCESS MECHANICAL ENGINEERING	ABHISHEK SWARNKAR	LAKHERA VIKAS JANARDHANPRASAD		MECHANICAL ENG.DEPT.(UG)
22	NYAYA: BLOCKCHAIN-BASED ELECTRONIC LAW RECORD MANAGEMENT SCHEME FOR JUDICIAL INVESTIGATIONS	JOURNAL OF INFORMATION SECURITY AND APPLICATION	ASHWIN VERMA	PRONAYA BHATTACHARYA	DEEPTI SARASWAT, SUDEEP TANWAR	COMPUTER SCIENCE & ENG.DEPT.(UG)
23	COMPREHENSIVE REVIEW ON SCHEDULING BASED APPROACHES FOR TARGET COVERAGE IN WSN.	WIRELESS PERSONAL COMMUNICATIONS	POOJA CHATURVEDI	A K DANIEL		COMPUTER SCIENCE & ENG.DEPT.(UG)
24	SATELLITE IMAGE CLASSIFICATION: FROM HANDCRAFTED FEATURES TO DEEP LEARNING FEATURES	INDIAN JOURNAL OF COMPUTER SCIENCE AND ENGINEERING	KHUSHBU JOSHI	MANISH I. PATEL		ELECTRONICS & COMMUNICATION ENG.DEPT.(UG)
25	COLLABORATIVE WRITING TOOLS IN ENGLISH CLASSROOM	TOWARDS EXCELLENCE	RAO RATNA VENKATESHWARA	PRONOY SINGHA		MATHEMATICS & HUMANITIES
26	FORMABILITY STUDIES OF ALUMINIUM 5052 MATERIALIN SQUARE HOLE FLANGING USING SINGLE STAGE SINGLE POINT INCREMENTAL FORMING	ACADEMIC JOURNAL OF MANUFACTURING ENGINEERING	MAKWANA RUDRESHKUMAR DINESHBHAI	BHARAT MODI	KAUSHIK PATEL	MECHANICAL ENG.DEPT.(UG)

27	COMPARATIVE STUDIES FOR THE DEGRADATION OF REACTIVE BLACK 5 DYE EMPLOYING OZONE-BASED AOPS	NANOTECHNOLOGY FOR ENVIRONMENTAL ENGINEERING	CHOKSHI NIKITA PIYUSHKUMAR	JAYESH RUPARELIA	SANDIP SHARMA	CHEMICAL ENG.DEPT.(UG)
28	STRATIFIED FLOW DISTRIBUTION DURING GASâ€"LIQUID DOWNFLOW IN THE MESODOMAIN	PHYSICS OF FLUID	AMIT KUMAR	SRINIWASAN PUJARI	SUBHABRATA RAY	CHEMICAL ENG.DEPT.(UG)
29	COMPARATIVE STUDIES FOR THE DEGRADATION OF REACTIVE BLACK 5 DYE EMPLOYING OZONE-BASED AOPS	NANOTECHNOLOGY FOR ENVIRONMENTAL ENGINEERING	SHARMA SANDIP PRAHLADBHAI	NIKITA P. CHOKSHI	JAYESH P. RUPARELIA	CHEMICAL ENG.DEPT.(UG)
30	OIL SPILL DETECTION OVER OCEAN SURFACE USING DEEP LEARNING: A COMPARATIVE STUDY	MARINE SYSTEMS AND OCEAN TECHNOLOGY	NAISHADH MEHTA	POOJA SHAH	PRANSHAV GAJJAR	COMPUTER SCIENCE & ENG.DEPT.(UG)
31	BIG DATA ANALYTICS FOR ADVANCED VITICULTURE	SCALABLE COMPUTING: PRACTICE AND EXPERIENCE	PATEL JITALI DINESHKUMAR	PATEL JIGNA		COMPUTER SCIENCE & ENG.DEPT.(UG)
32	BIG DATA ANALYTICS FOR ADVANCED VITICULTURE	SCALABLE COMPUTING	PATEL JIGNA ASHISH	RUHI PATEL	SAUMYA SHAH	COMPUTER SCIENCE & ENG.DEPT.(UG)
33	EFFECTIVE POWER MANAGEMENT SYSTEMS IN STACKED MICROBIAL FUEL CELLS FOR ONSITE APPLICATIONS	JOURNAL OF POWER SOURCES	SHAH MANISHA TUSHAR	MUKHERJEE, A	PATEL, V.	ELECTRICAL ENG.DEPT.(UG)
34	MICROFLUIDIC ANALYSIS OF SEAWATER-BASED CO2 CAPTURE IN AN AMINE SOLUTION WITH NICKEL NANOPARTICLE CATALYSTS	JOURNAL OF CO2 UTILIZATION	PATEL RAJESHKUMAR NARANBHAI	ABHISHEK RATANPARA	MYEONGSUB KIM	GENERAL ADMINISTRATION
35	SOCIAL SPIDER OPTIMISATION BASED IDENTIFICATION AND OPTIMAL CONTROL OF FRACTIONAL ORDER SYSTEM	INTERNATIONAL JOURNAL OF MODELING , IDENTIFICATION AND CONTROL	MEHTA SANDIP ANILBHAI	DIPAK M ADHYARU		INSTRUMENTATION & CONTROLS (UG)

36	APPLICATION OF OPTICAL TECHNIQUES IN SEDIMENTATION STUDY OF MAGNETORHEOLOGICAL FLUIDS	INTERNATION JOURNAL OF NANOTECHNOLOGY	HIREN PRAJAPATI	LAKDAWALA ABSAR MOHAMMADHUSEN		MECHANICAL ENG.DEPT.(UG)
37	EFFECT OF GEOMETRICAL SHAPE ON AXIAL DEFORMATION OF SOFT ACTUATOR	JOURNAL OF PHYSICS: CONFERENCE SERIES	VISHAL MEHTA	MIHIR CHAUHAN		MECHANICAL ENG.DEPT.(UG)
38	PREDICTION OF INTERLOBE LEAKAGES IN SCREW COMPRESSORS	JOURNAL OF APPLIED FLUID MECHANICS	HITESH PATEL	LAKHERA VIKAS JANARDHANPRASAD		MECHANICAL ENG.DEPT.(UG)
39	**OPTIMIZATION OF POWER DENSITY OF AXIAL FLUX PERMANENT MAGNET BRUSHLESS DC MOTOR FOR ELECTRIC TWO-WHEELER**	**TRENDS IN SCIENCES**	**PATEL AMIT NARAYANBHAI**			**PG-ELECTRICAL (PEMD) ENG.DEPT.**
40	BLOCKCHAIN-BASED DATA DISSEMINATION SCHEME FOR 5G-ENABLED SOFTWARIZED UAV NETWORKS	IEEE TRANSACTIONS ON GREEN COMMUNICATIONS AND NETWORKING	RAJESH GUPTA	MOHIL MAHESHKUMAR PATEL	SUDEEP TANWAR	COMPUTER SCIENCE & ENG.DEPT.(UG)
41	BLOCKCHAIN FOR COVID-19: A COMPREHENSIVE REVIEW	PERSONAL AND UBIQUITOUS COMPUTING	HET SHAH	MANASI SHAH	SUDEEP TANWAR	COMPUTER SCIENCE & ENG.DEPT.(UG)
42	BLOCKCHAIN AND AI-EMPOWERED SOCIAL DISTANCING SCHEME TO COMBAT COVID-19 SITUATIONS	IEEE ACCESS	SUDEEP TANWAR	RAJESH GUPTA	MOHIL MAHESHKUMAR PATEL	COMPUTER SCIENCE & ENG.DEPT.(UG)
43	BLOCKCHAIN AND 5G INTEGRATED SOFTWARIZED UAV NETWORK MANAGEMENT: ARCHITECTURE, SOLUTIONS, AND CHALLENGES	PHYSICAL COMMUNICATION	RAJESH GUPTA	SUDEEP TANWAR	NEERAJ KUMAR	COMPUTER SCIENCE & ENG.DEPT.(UG)
44	B-IOMV: BLOCKCHAIN-BASED ONION ROUTING PROTOCOL FOR D2D COMMUNICATION IN AN IOMV ENVIRONMENT BEYOND 5G	VEHICULAR COMMUNICATIONS	RAJESH GUPTA	SUDEEP TANWAR	NEERAJ KUMAR	COMPUTER SCIENCE & ENG.DEPT.(UG)
45	A SURVEY ON ENERGY TRADING IN THE SMART GRID: TAXONOMY, RESEARCH CHALLENGES AND SOLUTIONS	IEEE ACCESS	SHUBHANI AGGARWAL	NEERAJ KUMAR	SUDEEP TANWAR	COMPUTER SCIENCE & ENG.DEPT.(UG)

46	A SURVEY ON ARTIFICIAL INTELLIGENCE TECHNIQUES FOR CHRONIC DISEASES: OPEN ISSUES AND CHALLENGES	ARTIFICIAL INTELLIGENCE REVIEW	KEYUR PATEL	CHINMAY MISTRY	SUDEEP TANWAR	COMPUTER SCIENCE & ENG.DEPT.(UG)
47	6G-ENABLED EDGE INTELLIGENCE FOR ULTRA -RELIABLE LOW LATENCY APPLICATIONS: VISION AND MISSION	COMPUTER STANDARDS & INTERFACES	RAJESH GUPTA	DAKSHITA REEBADIYA	SUDEEP TANWAR	COMPUTER SCIENCE & ENG.DEPT.(UG)
48	COALITION GAME AND BLOCKCHAIN-BASED OPTIMAL DATA PRICING SCHEME FOR RIDE SHARING BEYOND 5G	IEEE SYSTEMS JOURNAL	RIYA KAKKAR	RAJESH GUPTA	SUDEEP TANWAR	COMPUTER SCIENCE & ENG.DEPT.(UG)
49	COALITION OF 6G AND BLOCKCHAIN IN AR/VR SPACE: CHALLENGES AND FUTURE DIRECTIONS	IEEE ACCESS	PRONOYA BHATTACHARYA	DEEPTI SARASWAT	SUDEEP TANWAR	COMPUTER SCIENCE & ENG.DEPT.(UG)
50	DEEP LEARNING-BASED CRYPTOCURRENCY PRICE PREDICTION SCHEME WITH INTER-DEPENDENT RELATIONS	IEEE ACCESS	SUDEEP TANWAR	NISARG PATEL	SMIT PATEL	COMPUTER SCIENCE & ENG.DEPT.(UG)
51	DEEP LEARNING-BASED MALICIOUS SMART CONTRACT DETECTION SCHEME FOR INTERNET OF THINGS ENVIRONMENT	COMPUTERS & ELECTRICAL ENGINEERING	RAJESH GUPTA	MOHIL MAHESHKUMAR PATEL	SUDEEP TANWAR	COMPUTER SCIENCE & ENG.DEPT.(UG)
52	INTERCLOUD RESOURCE DISCOVERY USING BLOCKCHAIN	IEEE ACCESS	MEKHLA SHARMA	JAITEG SINGH	SUDEEP TANWAR	COMPUTER SCIENCE & ENG.DEPT.(UG)
53	MULTIAGENT-BASED SECURE ENERGY MANAGEMENT FOR MULTIMEDIA GRID COMMUNICATION USING Q-LEARNING	MULTIMEDIA TOOLS AND APPLICATIONS	APARNA KUMARI	SUDEEP TANWAR		COMPUTER SCIENCE & ENG.DEPT.(UG)
54	RANSOMWARE DETECTION, AVOIDANCE, AND MITIGATION SCHEME: A REVIEW AND FUTURE DIRECTIONS	SUSTAINABILITY, MDPI	ADHIRAT KAPOOR	ANKUR GUPTA	SUDEEP TANWAR	COMPUTER SCIENCE & ENG.DEPT.(UG)
55	SATYA: TRUSTED BI-LSTM-BASED FAKE NEWS CLASSIFICATION SCHEME FOR SMART COMMUNITY	IEEE TRANSACTIONS ON COMPUTATIONAL SOCIAL SYSTEMS	PRONOYA BHATTACHARYA	SHIVANI PATEL	SUDEEP TANWAR	COMPUTER SCIENCE & ENG.DEPT.(UG)
56	WHEN BLOCKCHAIN MEETS EDGE INTELLIGENCE: TRUSTED AND SECURITY SOLUTIONS FOR CONSUMERS	IEEE NETWORK	RAJESH GUPTA	DAKSHITA REEBADIYA	SUDEEP TANWAR	COMPUTER SCIENCE & ENG.DEPT.(UG)