

**NIRMA UNIVERSITY**  
**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	SIMULATION OF ETHYLENE POLYMERIZATION IN CONTINUOUS SLURRY REACTORS	MATERIAL TODAY PROCEEDINGS	AMIT K. THAKUR	RAHUL KUMAR	NILANJANA BANERJEE	CHEMICAL ENG.DEPT.(UG)
2	COMPARISON OF NSGA-III WITH NSGA-II FOR MULTI OBJECTIVE OPTIMIZATION OF ADIABATIC STYRENE REACTOR	MATERIAL TODAY PROCEEDINGS	PRANAVA CHAUDHARI	AMIT K. THAKUR	RAHUL KUMAR	CHEMICAL ENG.DEPT.(UG)
3	PHOTOCATALYTIC DECOLOURATION, DEGRADATION AND DISINFECTION CAPABILITY OF AG <sub>2</sub> CO <sub>3</sub> /ZNO IN NATURAL SUNLIGHT	JOURNAL OF THE INDIAN CHEMICAL SOCIETY	BORA LEENA VIJAYKUMAR	RAJUBHAI K. MEWADA		CHEMICAL ENG.DEPT.(UG)
4	EXPERIMENTAL INVESTIGATION ON IN-SITU VOID FRACTION OF AIR-WATER CO-CURRENT FLOW-THROUGH MILLI-CHANNELS	MATERIAL TODAY: PROCEEDINGS	AMIT KUMAR	AMIT KUMAR THAKUR	RAHUL KUMAR	CHEMICAL ENG.DEPT.(UG)

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5	DYNAMIC TESTING OF AUTOCLAVED AERATED CONCRETE BLOCK MASONRY BUILDING MODELS	ISET JOURNAL OF EARTHQUAKE TECHNOLOGY	PUROHIT SHARADKUMAR PURANAND	SHARAD V. SENJALIYA		CIVIL ENG.DEPT.(UG)
6	STREET LEVEL FLOOD MONITORING AND WARNING SYSTEM A CONCEPTUAL MODEL USING IOT: A CASE OF SURAT CITY	DISASTER ADVANCES	PATEL ANANT DARSHANBHAI	SANJAY YADAV		CIVIL ENG.DEPT.(UG)
7	GARUDA: A BLOCKCHAIN-BASED DELIVERY SCHEME USING DRONES FOR HEALTHCARE 5.0 APPLICATIONS	IEEE INTERNET OF THINGS MAGAZINE	RAJESH GUPTA	PRONAYA BHATTACHARYA	SUDEEP TANWAR	COMPUTER SCIENCE & ENG.DEPT.(UG)
8	SVM-BASED ANALYSIS FOR PREDICTING SUCCESS RATE OF INTEREST PACKETS IN INFORMATION CENTRIC NETWORKS	APPLIED ARTIFICIAL INTELLIGENCE, T&F	NITUL DUTTA	SUDEEP TANWAR	SHOBHIT K. PATEL	COMPUTER SCIENCE & ENG.DEPT.(UG)
9	QUANTUM CRYPTOGRAPHY-AS-A-SERVICE FOR SECURE UAV COMMUNICATION: APPLICATIONS, CHALLENGES, AND CASE STUDY	IEEE ACCESS	VISHAKHA K. RALEGANKAR	JAGRUTI BAGUL	SUDEEP TANWAR	COMPUTER SCIENCE & ENG.DEPT.(UG)

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10	RANSOMWARE DETECTION, AVOIDANCE, AND MITIGATION SCHEME: A REVIEW AND FUTURE DIRECTIONS	SUSTAINABILITY, MDPI	ADHIRATH KAPOOR	ANKUR GUPTA	SUDEEP TANWAR	COMPUTER SCIENCE & ENG.DEPT.(UG)
11	SATYA: TRUSTED BI-LSTM-BASED FAKE NEWS CLASSIFICATION SCHEME FOR SMART COMMUNITY	IEEE TRANSACTIONS ON COMPUTATIONAL SOCIAL SYSTEMS	PRONAYA BHATTACHARYA	SHIVANI BHARATBHAI PATEL	SUDEEP TANWAR	COMPUTER SCIENCE & ENG.DEPT.(UG)
12	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)
13	DEPLOYMENT OF WIND TURBINE IN BETWEEN CEMENT SILOS FOR SMALL POWER GENERATION	JOURNAL OF CONTROL AND DECISION	NIMJE AKHILESH ARVIND	PRIYA TANDEL	AAKESH PATEL	ELECTRICAL ENG.DEPT.(UG)
14	PERFORMANCE ASSESSMENT OF SELECTIVE MACHINE LEARNING TECHNIQUES FOR IMPROVED PV ARRAY FAULT DIAGNOSIS	SUSTAINABLE ENERGY, GRIDS AND NETWORKS	DHRITIMAN ADHYA	SOUMESH CHATTERJEE	AJOY KUMAR CHAKRABORTY	ELECTRICAL ENG.DEPT.(UG)

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15	INTEGRATED RESOURCE PLANNING IN SUSTAINABLE ENERGY-BASED DISTRIBUTED MICROGRIDS	SUSTAINABLE ENERGY TECHNOLOGIES AND ASSESSMENTS	AMAR KUMAR BARIK	DULAL CHANDRA DAS		ELECTRICAL ENG.DEPT.(UG)
16	COMPARATIVE BER ANALYSIS OF FREE SPACE OPTICAL SYSTEM USING WAVELENGTH DIVERSITY OVER EXPONENTIATED WEIBULL CHANNEL	INTERNATIONAL JOURNAL OF ELECTRONICS AND TELECOMMUNICATIONS	SHAH DHAVAL GOPALCHANDRA	DILIPKUMAR KOTHARI	HARDIK JOSHI	ELECTRONICS & COMMUNICATION ENG.DEPT.(UG)
17	NOVEL DETECTION SCHEMES FOR GENERALISED QUADRATURE SPATIAL MODULATION (GQSM)	INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS	TRIVEDI YOGESH NAGARLAL			ELECTRONICS & COMMUNICATION ENG.DEPT.(UG)
18	COMPARATIVE BER ANALYSIS OF FREE SPACE OPTICAL SYSTEM USING WAVELENGTH DIVERSITY OVER EXPONENTIATED WEIBULL CHANNEL	INTL JOURNAL OF ELECTRONICS AND TELECOMMUNICATIONS	DHAVAL SHAH	JOSHI HARDIK YOGESHBHAI	DILIPKUMAR KOTHARI	ELECTRONICS & COMMUNICATION ENG.DEPT.(UG)
19	AMALGAMATION OF BLOCKCHAIN AND SIXTH-GENERATION-ENVISIONED RESPONSIVE EDGE ORCHESTRATION IN FUTURE CELLULAR VEHICLE-TO-ANYTHING ECOSYSTEMS: OPPORTUNITIES AND CHALLENGES	WILEY TRANSACTIONS OF EMERGING TELECOMMUNICATION TECHNOLOGIES	BHATTACHARYA PRONAYA	UMESH BODKHE	MOHD ZUHAIR	INFORMATION TECHNOLOGY ENG.DEPT.(UG)

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20	GARUDA: A BLOCKCHAIN-BASED DELIVERY SCHEME USING DRONES FOR HEALTHCARE 5.0 APPLICATIONS	IEEE INTERNET OF THINGS MAGAZINE	RAJESH GUPTA	PRONAYA BHATTACHARYA	SUDEEP TANWAR	INFORMATION TECHNOLOGY ENG.DEPT.(UG)
21	SATYA: TRUSTED BI-LSTM-BASED FAKE NEWS CLASSIFICATION SCHEME FOR SMART COMMUNITY	IEEE TRANSACTIONS ON COMPUTATIONAL SOCIAL SYSTEMS	BHATTACHARYA PRONAYA	SHIVANI BHARATBHAI PATEL	RAJESH GUPTA	INFORMATION TECHNOLOGY ENG.DEPT.(UG)
22	COALITION OF 6G AND BLOCKCHAIN IN AR/VR SPACE: CHALLENGES AND FUTURE DIRECTIONS	IEEE ACCESS	BHATTACHARYA PRONAYA	DEEPTI SARASWAT	AMIT DAVE	INFORMATION TECHNOLOGY ENG.DEPT.(UG)
23	DETECTION OF COVID-19 VIRUS USING DEEP LEARNING	INTERNATIONAL JOURNAL OF COMPUTATIONAL BIOLOGY AND DRUG DESIGN	KEWAL MEHTA	HRITIK PATEL	VRAJ PATEL	INSTRUMENTATION & CONTROLS (UG)
24	A GLANCE INTO THE WORLD OF GIG ECONOMY: A REVIEW & BIBLIOMETRIC ANALYSIS	TOWARDS EXCELLENCE	BHATI PARULKUMARI PADAMSIKH	MAITRI		MATHEMATICS & HUMANITIES

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25	THE REPRESENTATION OF DALIT WOMAN AS THE OTHER IN MAHASHWETA DEVIâ€™S RUDALI	SAHITYASETU	PATIL SUREKHA ROHIDAS			MATHEMATICS & HUMANITIES
26	INTEGRITY AS A GOVERNING ETHIC: STRATEGIES FOR ETHICS MANAGEMENT	GAP BODHI TARU - A GLOBAL JOURNAL OF HUMANITIES	BHATI PARULKUMARI PADAMSINH			MATHEMATICS & HUMANITIES
27	OPTIMAL CONFIGURATION OF SOLAR AND WIND-BASED HYBRID RENEWABLE ENERGY SYSTEM WITH AND WITHOUT ENERGY STORAGE INCLUDING ENVIRONMENTAL AND SOCIAL CRITERIA?: A CASE STUDY	JOURNAL OF ENERGY STORAGE	MEMON SHEBAZAHEMAD ABDULLATIF	DARSHIT S.UPADHYAY	RAJESH N PATEL	MECHANICAL ENG.DEPT.(UG)
28	AN OVERVIEW OF OPTIMIZATION TECHNIQUES USED FOR SIZING OF HYBRID RENEWABLE ENERGY SYSTEMS	RENEWABLE ENERGY FOCUS	MEMON SHEBAZAHEMAD ABDULLATIF	RAJESH N PATEL		MECHANICAL ENG.DEPT.(UG)
29	APPLICATION OF OPTICAL TECHNIQUES IN SEDIMENTATION STUDY OF MAGNETORHEOLOGICAL FLUIDS	INTERNATION JOURNAL OF NANOTECHNOLOGY	PRAJAPATI HIREN MANILAL	ABSAR LAKDAWALA		MECHANICAL ENG.DEPT.(UG)

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30	MACHINABILITY IMPROVEMENT AND SUSTAINABILITY ASSESSMENT DURING MACHINING OF AISI 4140 USING VEGETABLE OIL-BASED MQL	JOURNAL OF THE BRAZILIAN SOCIETY OF MECHANICAL SCIENCES AND ENGINEERING	MAKHESANA MAYURKUMAR ASHWINBHAI	J.A.BARVALIYA	R.J.PARMAR	MECHANICAL ENG.DEPT.(UG)
31	EXPERIMENTAL STUDY ON MICROWAVE EX-SITU CASTING OF AA 6061	MATERIALS TODAY: PROCEEDINGS	BHATT SHRUTI CHANAKYA	SUTHAR SHIVANSH	MISTRY DHRUV	MECHANICAL ENG.DEPT.(UG)
32	NUMERICAL INVESTIGATIONS ON THE EFFECT OF TORTUOSITY ON FRICTION FACTOR IN SUPERCONDUCTING CICC CONFIGURATION	PROGRESS IN SUPERCONDUCTIVITY AND CRYOGENICS	HITENSINH VAGHELA	VIKAS LAKHERA	KUNAL BHATT	MECHANICAL ENG.DEPT.(UG)
33	MULTISTAGE TOOL PATH STRATEGY TO PRODUCE HEMISPHERICAL SHAPE USING SINGLE POINT INCREMENTAL FORMING PROCESS	INTERNATIONAL JOURNAL OF MECHATRONICS AND MANUFACTURING SYSTEMS	GOHIL ASHISH MULCHAND	MODI BHARAT A		MECHANICAL ENG.DEPT.(UG)
34	EFFECT OF LONGITUDINAL PARAMETER ON THE VIBRATION CHARACTERISTICS OF UNIDIRECTIONAL MONOLAYER GLASS EPOXY COMPOSITE	MATERIALS TODAY: PROCEEDINGS	VISHAL KETANKUMAR MEHTA	SAUMIL HIRENBHAI DESAI		MECHANICAL ENG.DEPT.(UG)

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35	IMPROVEMENT IN FRICTION AND WEAR CHARACTERISTICS USING CAF <sub>2</sub> AS A SOLID LUBRICANT AT DIFFERENT CONDITIONS	METAL POWDER REPORT	MAKHESANA MAYURKUMAR ASHWINBHAI	K.M.PATEL		MECHANICAL ENG.DEPT.(UG)
36	ENVIRONMENTALLY CONSCIOUS MACHINING OF INCONEL 718 WITH SOLID LUBRICANT ASSISTED MINIMUM QUANTITY LUBRICATION	METAL POWDER REPORT	MAKHESANA MAYURKUMAR ASHWINBHAI	K.M.PATEL	B.K.MAWANDIYA	MECHANICAL ENG.DEPT.(UG)
37	DYE-SENSITIZED SOLAR CELLS WITH POLYANILINE: A REVIEW	INORGANIC CHEMISTRY COMMUNICATIONS	CHAUDHARY AMITA	GARIMA DWIVEDI	GUNCHA MUNJAL	CHEMICAL ENG.DEPT.(UG)
38	EFFECT OF PHYSICAL PROPERTIES OF SYNTHESIZED PROTIC IONIC LIQUID ON CARBON DIOXIDE ABSORPTION RATE	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	AMITA CHAUDHARY	ASHOK N BHASKARWAR		CHEMICAL ENG.DEPT.(UG)
39	BEHAVIOUR OF AMBIENT CURED PRESTRESSED AND NON-PRESTRESSED GEOPOLYMER CONCRETE BEAMS	CASE STUDIES IN CONSTRUCTION MATERIALS	THAKKAR SONAL PRAGNESH	DAVE URMIL	BHATOL DARSHAN	CIVIL ENG.DEPT.(UG)



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40	DEEP CONVOLUTIONAL NEURAL NETWORKS FOR COMPUTER-AIDED BREAST CANCER DIAGNOSTIC: A SURVEY	NEURAL COMPUTING AND APPLICATIONS	OZA PARITA RAJIV	PAAWAN SHARMA	SAMIR PATEL	COMPUTER SCIENCE & ENG.DEPT.(UG)
41	PREDICTING STOCK PRICE MOVEMENT USING A STACK OF MULTI-SIZED FILTER MAPS AND CONVOLUTIONAL NEURAL NETWORKS	INTERNATIONAL JOURNAL OF COMPUTATIONAL SCIENCE AND ENGINEERING	THAKKAR PRIYANK BHUPENDRABHAI	YASH THESIA	VIDHEY OZA	COMPUTER SCIENCE & ENG.DEPT.(UG)
42	BLOCKCHAIN FOR IOV IN 6G ENVIRONMENT: REVIEW SOLUTIONS AND CHALLENGES	CLUSTER COMPUTING, SPRINGER	KRUSHALI SHAH	SWAPNIL CHADOTRA	SUDEEP TANWAR	COMPUTER SCIENCE & ENG.DEPT.(UG)
43	COALITION GAMES FOR PERFORMANCE EVALUATION IN 5G AND BEYOND NETWORKS: A SURVEY	IEEE ACCESS	UPENDRA SINGH	ADITYA RAMASWAMY	AMIT DUA	COMPUTER SCIENCE & ENG.DEPT.(UG)
44	SECURITY ENHANCEMENT IN CELLULAR NETWORKS EMPLOYING D2D FRIENDLY JAMMER FOR V2V COMMUNICATION	CLUSTER COMPUTING, SPRINGER	J. SENTHIL KUMAR	AKHIL GUPTA	SUDEEP TANWAR	COMPUTER SCIENCE & ENG.DEPT.(UG)

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45	SSEER: SEGMENTED SECTORS IN ENERGY EFFICIENT ROUTING FOR WIRELESS SENSOR NETWORK	MULTIMED TOOLS APPL, SPRINGER	SUMIT KUMAR GUPTA	SACHIN KUMAR	SUDEEP TANWAR	COMPUTER SCIENCE & ENG.DEPT.(UG)
46	ADVERSARIAL LEARNING TECHNIQUES FOR SECURITY AND PRIVACY PRESERVATION: A COMPREHENSIVE REVIEW	SECURITY AND PRIVACY, WILEY	JIGNA J. HATHALIYA	SUDEEP TANWAR	PRIYANKA SHARMA	COMPUTER SCIENCE & ENG.DEPT.(UG)
47	AI-ENABLED RADIOLOGIST IN THE LOOP: NOVEL AI-BASED FRAMEWORK TO AUGMENT RADIOLOGIST PERFORMANCE FOR COVID-19 CHEST CT MEDICAL IMAGE ANNOTATION AND CLASSIFICATION FROM PNEUMONIA	NEURAL COMPUTING AND APPLICATIONS	HEMANT GHAYVAT	MUHAMMAD AWAIS	A. K. BASHIR	COMPUTER SCIENCE & ENG.DEPT.(UG)
48	A VARIABLE STEP SIZE ROBUST LEAST MEAN LOGARITHMIC SQUARE-BASED CONTROL SCHEME FOR IMPROVED POWER QUALITY OF GRID-INTERFACED PV SYSTEM	IEEE TRANSACTIONS ON SMART GRID	ABHISEK PARIDA	BIDYADHAR SUBUDHI		ELECTRICAL ENG.DEPT.(UG)
49	RAPID FAULT IDENTIFICATION IN STANDALONE DC MICROGRIDS	SIMULATION MODELLING PRACTICE AND THEORY	YUGESWAR REDDY O	SOUMESH CHATTERJEE	AJOY KUMAR CHAKRABORTY	ELECTRICAL ENG.DEPT.(UG)

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50	SOLVING ECONOMIC DISPATCH USING ARTIFICIAL ECO SYSTEM-BASED OPTIMIZATION	ELECTRIC POWER COMPONENTS AND SYSTEMS	BHATTACHARJEE KUNTAL TARIT KANTI	KATHAN SHAH	JATIN SONI	ELECTRICAL ENG.DEPT.(UG)
51	VERTICAL TRANSMISSION OF HIV-HBV CO-INFECTION WITH LIQUOR HABIT AND VACCINATION	MALAYSIAN JOURNAL OF MATHEMATICAL SCIENCES	N. H. SHAH	Z.A. PATEL	YEOLEKAR BIJAL MAHESH	MATHEMATICS & HUMANITIES
52	CHARACTERIZATION OF MAGNETORHEOLOGICAL FLUID: A STUDY ON SEDIMENTATION AND REDISPERSION	ADVANCED ENGINEERING MATERIALS	PRAJAPATI HIREN MANILAL	ABSAR LAKDAWALA		MECHANICAL ENG.DEPT.(UG)
53	CHARACTERIZATION OF MAGNETORHEOLOGICAL FLUID: A STUDY ON SEDIMENTATION AND REDISPERSION	ADVANCED ENGINEERING MATERIALS	HIREN PRAJAPATI	LAKDAWALA ABSAR MOHAMMADHUSEN		MECHANICAL ENG.DEPT.(UG)
54	EXPERIMENTAL INVESTIGATIONS ON NUCLEATE POOL BOILING OVER MICRO FINNED CYLINDRICAL SURFACES	PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS, PART C: JOURNAL OF MECHANICAL ENGINEERING SCIENCE	BALKRUSHNA SHAH	KATHIT SHAH	PARTH PATEL	MECHANICAL ENG.DEPT.(UG)

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55	EXPERIMENTAL INVESTIGATIONS ON NUCLEATE POOL BOILING OVER MICRO FINNED CYLINDRICAL SURFACES	THE PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS, PART C: JOURNAL OF MECHANICAL ENGINEERING SCIENCE	SHAH BALKRUSHNA ARVINDBHAI	KATHIT SHAH	PARTH PATEL	MECHANICAL ENG.DEPT.(UG)
56	EXPERIMENTS ON LIQUID FILM THICKNESS AROUND TAYLOR FINGER	INTERNATIONAL JOURNAL OF CHEMICAL REACTOR ENGINEERING	AMIT KUMAR	AMIT K. THAKUR	GAJENDRA KUMAR GAURAV	CHEMICAL ENG.DEPT.(UG)
57	COMPARATIVE STUDY OF OZONE-BASED AOPS FOR DEGRADATION OF REACTIVE RED 120	RESEARCH JOURNAL OF CHEMISTRY AND ENVIRONMENT	SHARMA SANDIP PRAHLADBHAI	RUPARELIA JAYESH P		CHEMICAL ENG.DEPT.(UG)
58	RADIOMETRIC CALIBRATION STABILITY ASSESSMENT OF SENTINEL-1B USING POINT TARGETS AT SURAT BASIN, AUSTRALIA	INTERNATIONAL JOURNAL OF MICROWAVE AND WIRELESS TECHNOLOGIES	S BADATALA	S SHARMA	S TRIPATHI	CIVIL ENG.DEPT.(UG)
59	DETECTING OVER-CLAIM PERMISSIONS AND RECOGNISING DANGEROUS PERMISSION IN ANDROID APPS	INTERNATIONAL JOURNAL OF INFORMATION AND COMPUTER SECURITY	SHAH MONIKA GUNVANTBHAI			COMPUTER SCIENCE & ENG.DEPT.(UG)

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60	A SURVEY ON ENERGY-EFFICIENT RESOURCE ALLOCATION SCHEMES IN DEVICE-TO-DEVICE COMMUNICATION	INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS	NILESH KUMAR JADAV	RAJESH GUPTA	SUDEEP TANWAR	COMPUTER SCIENCE & ENG.DEPT.(UG)
61	AI-EMPOWERED RECOMMENDER SYSTEM FOR RENEWABLE ENERGY HARVESTING IN SMART GRID SYSTEM	IEEE ACCESS	RUSHIL KAUSHIKKUMAR PATEL	APARNA KUMARI	SUDEEP TANWAR	COMPUTER SCIENCE & ENG.DEPT.(UG)
62	A COMPREHENSIVE REVIEW OF THE TECHNOLOGICAL SOLUTIONS TO ANALYZE THE EFFECTS OF PANDEMIC OUTBREAK ON HUMAN LIVES	MEDICINA, MDPI	ISHWA SHAH	CHELSY DOSHI	SUDEEP TANWAR	COMPUTER SCIENCE & ENG.DEPT.(UG)
63	ELICITING KEY ATTRIBUTES OF HEALTH INSURANCE IN RURAL INDIA: A QUALITATIVE ANALYSIS	SN BUS ECON	ZUHAIR MOHD	FULI ZHOU	SAURABH PRATAP	COMPUTER SCIENCE & ENG.DEPT.(UG)
64	DBGC: DIMENSION-BASED GENERIC CONVOLUTION BLOCK FOR OBJECT RECOGNITION	SENSORS	CHIRAG PATEL	DULARI BHATT	URVASHI SHARMA	COMPUTER SCIENCE & ENG.DEPT.(UG)

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65	AN EFFICIENT TECHNIQUE FOR SOLVING FRACTIONAL-ORDER DIFFUSION EQUATIONS ARISING IN OIL POLLUTION.	JOURNAL OF OCEAN ENGINEERING AND SCIENCE	HARDIK PATEL	TRUSHIT PATEL	PANDIT DHIREN DIPAKKUMAR	MATHEMATICS & HUMANITIES
66	RECENT TRENDS IN BIO-MATERIALS AND ADVANCES IN DESIGN OF SPINAL FUSION IMPLANTS	ADVANCES IN MATERIALS AND PROCESSING TECHNOLOGIES	NITESH K SINGH	NISHANT KUMAR SINGH	PANDIT DHIREN DIPAKKUMAR	MATHEMATICS & HUMANITIES
67	EXPERIMENTAL STUDY ON NUCLEATE POOL-BOILING HEAT TRANSFER OF R141B OVER PLAIN AND MICRO-FINDED CYLINDRICAL SURFACES AT DIFFERENT PRESSURES	MULTIPHASE SCIENCE AND TECHNOLOGY	SHAH BALKRUSHNA ARVINDBHAI	KATHIT SHAH	DR V J LAKHERA	MECHANICAL ENG.DEPT.(UG)
68	NOVEL OXYGEN FUSED BICYCLIC DERIVATIVES AND ANTIOXIDANT LABELLING: BIOACTIVE CHALCONE BASED GREEN SYNTHESIS	BIOINTERFACE RESEARCH IN APPLIED CHEMISTRY	SHIBU G PILLAI	KEYUR D. BHATT	VISHAL RANA	CHEMICAL ENG.DEPT.(UG)
69	ESTIMATING REGIONAL-SCALE DAYTIME NET SURFACE RADIATION IN CLOUDLESS SKIES FROM GEO-LEO SATELLITE OBSERVATIONS USING DATA FUSION APPROACH	JOURNAL OF EARTH SYSTEM & SCIENCE	GHAREKHAN, D	NIGAM, R.	BHATTACHARYA, B.K	CIVIL ENG.DEPT.(UG)

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70	DL-GUESS: DEEP LEARNING AND SENTIMENT ANALYSIS-BASED CRYPTOCURRENCY PRICE PREDICTION	IEEE ACCESS	RAJ PAREKH	NISARG P. PATEL	SUDEEP TANWAR	COMPUTER SCIENCE & ENG.DEPT.(UG)
71	FUSION IN CRYPTOCURRENCY PRICE PREDICTION: A DECADE SURVEY ON RECENT ADVANCEMENTS, ARCHITECTURE, AND POTENTIAL FUTURE DIRECTIONS	IEEE ACCESS	NISARG P. PATEL	RAJ PAREKH	SUDEEP TANWAR	COMPUTER SCIENCE & ENG.DEPT.(UG)
72	BLOCKCHAIN-BASED FEDERATED LEARNING IN UAVS BEYOND 5G NETWORKS: A SOLUTION TAXONOMY AND FUTURE DIRECTIONS	IEEE ACCESS	DEEPTI SARASWAT	ASHWIN VERMA	SUDEEP TANWAR	COMPUTER SCIENCE & ENG.DEPT.(UG)
73	A TAXONOMY OF FAKE NEWS CLASSIFICATION TECHNIQUES: SURVEY AND IMPLEMENTATION ASPECTS	IEEE ACCESS	DHIREN ROHERA	HARSHAL SHETHNAR	SUDEEP TANWAR	COMPUTER SCIENCE & ENG.DEPT.(UG)
74	SECURE 5G-ASSISTED UAV ACCESS SCHEME IN IOBT FOR REGION DEMARCATION AND SURVEILLANCE OPERATIONS	IEEE COMMUNICATIONS STANDARDS MAGAZINE	SARASWAT DEEPTI	PRONAYA BHATTACHARYA	ASHWIN VERMA	COMPUTER SCIENCE & ENG.DEPT.(UG)

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75	BLOCKCHAIN-BASED FEDERATED LEARNING IN UAVS BEYOND 5G NETWORKS	IEEE ACCESS	SARASWAT DEEPTI	ASHWIN VERMA	PRONAYA BHATTACHARYA	COMPUTER SCIENCE & ENG.DEPT.(UG)
76	PERFORMANCE ANALYSIS AND COMPARISON OF PM-ASSISTED SYNCHRONOUS RELUCTANCE MOTOR WITH FERRITES AND RARE-EARTH MAGNET MATERIALS	MATERIALS TODAY: PROCEEDINGS, 2022	JANI SWAPNIL NALINKUMAR	DR. JITENDRA G JAMNANI		ELECTRICAL ENG.DEPT.(UG)
77	IMPLEMENTATION OF PWM SCHEME FOR Z-SOURCE INVERTER USING SIMULINK	MATERIALS TODAY: PROCEEDINGS	P N KAPIL	AMIT V. SANT		ELECTRICAL ENG.DEPT.(UG)
78	MULTI-AGENT BASED SINE&quot;COSINE ALGORITHM FOR OPTIMAL INTEGRATION OF DERS WITH CONSIDERATION OF EXISTING OLTC IN DISTRIBUTION NETWORKS	APPLIED SOFT COMPUTING	PATEL CHINTAN DALSUKH	TARUN KUMAR TAILOR		ELECTRICAL ENG.DEPT.(UG)
79	SINE COSINE ALGORITHM FOR SOLVING ECONOMIC LOAD DISPATCH PROBLEM WITH PENETRATION OF RENEWABLES	INTERNATIONAL JOURNAL OF SWARM INTELLIGENCE RESEARCH, IGI GLOBAL	DIWAKAR VERMA	JATIN SONI	DHRUV KALATHIA	ELECTRICAL ENG.DEPT.(UG)



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80	DESIGN, DEVELOPMENT AND QUALIFICATION TESTS OF PROTOTYPE TWO-CHANNEL CRYOGENIC TEMPERATURE TRANSMITTER	AIP ADVANCES	KOTHARI DILIPKUMAR MANAKCHAND	SRINIVASA MURLIDHARA		ELECTRONICS & COMMUNICATION ENG.DEPT.(UG)
81	BLOCKCHAIN-BASED FEDERATED LEARNING IN UAVS BEYOND 5G NETWORKS: A SOLUTION TAXONOMY AND FUTURE DIRECTIONS	IEEE ACCESS	DEEPTI SARASWAT	ASHWIN VERMA	PRONAYA BHATTACHARYA	INFORMATION TECHNOLOGY ENG.DEPT.(UG)
82	TEST	TEST	PATEL RINKI HITESH			M. C. A.
83	EFFECT OF MIXING METHOD AND PARTICLE SIZE ON HARDNESS AND COMPRESSIVE STRENGTH OF ALUMINIUM BASED METAL MATRIX COMPOSITE PREPARED THROUGH POWDER METALLURGY ROUTE	JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY	ARVIND M SANKHLA	KAUSHIK M PATEL	MAKHESANA MAYURKUMAR ASHWINBHAI	MECHANICAL ENG.DEPT.(UG)
84	A NUMERICAL STUDY ON PULSATILE NON-NEWTONIAN HEMODYNAMIC IN DOUBLE-FUSIFORM ABDOMINAL AORTIC ANEURYSMS	PHYSICS OF FLUID	PANCHAL, P. M.	HATHI, D. S.	SHAH, N. K.	MECHANICAL ENG.DEPT.(UG)

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85	EFFECTS OF STACKING SEQUENCES AND LONGITUDINAL PARAMETER ON THE DYNAMIC CHARACTERISTICS OF MULTILAYER GLASS EPOXY COMPOSITE	IOP CONFERENCE SERIES: MATERIALS SCIENCE AND ENGINEERING	SAUMIL HIRENBHAI DESAI	VISHAL KETANKUMAR MEHTA		MECHANICAL ENG.DEPT.(UG)
86	ESTIMATION OF STORED ENERGY FOR TWIN SOURCE HVDC TRANSMISSION LINE	FUSION ENGINEERING AND DESIGN	VISHNUDEV M N	DEEPAK PARMAR	HARDIK SHISHANGIYA	PG- POWER SYSTEM - ELECTRICAL[EPS]
87	VALUE-ADDED PRODUCTS FROM WASTE PLASTICS USING DISSOLUTION TECHNIQUE	MATERIAL TODAY PROCEEDINGS	CHAUDHARY AMITA	MOHIT DAVE	DARSHIT S UPADHYAY	CHEMICAL ENG.DEPT.(UG)
88	NOVEL EDIFICE CALIX[4]PYRROLE DERIVATIVES AS A POTENTIAL SENSOR FOR THE DETECTION OF ANALYTES AND IN SILICO COMPUTATIONAL BEHAVIOUR	TALANTA OPEN	PILLAI SHIBU N. GOPINATHAN	AJAY L.DESAI	KEYUR D. BHATT	CHEMICAL ENG.DEPT.(UG)
89	BAND SELECTION TECHNIQUE FOR CROP CLASSIFICATION USING HYPERSPECTRAL DATA	JOURNAL OF THE INDIAN SOCIETY OF REMOTE SENSING	KINJAL DAVE	TARJNI VYAS	Y. N. TRIVEDI	COMPUTER SCIENCE & ENG.DEPT.(UG)

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90	PSYCHOMETRIC PROFILING OF INDIVIDUALS USING TWITTER PROFILES: A PSYCHOLOGICAL NATURAL LANGUAGE PROCESSING BASED APPROACH	CONCURRENCY AND COMPUTATION: PRACTICE AND EXPERIENCE	SHUBHANGI RATHI	JAI PRAKASH VERMA		COMPUTER SCIENCE & ENG.DEPT.(UG)
91	IMPROVISE APPROACH FOR RESPIRATORY PATHOLOGIES CLASSIFICATION WITH MULTILAYER CONVOLUTIONAL NEURAL NETWORKS	MULTIMEDIA TOOLS AND APPLICATIONS	SAUMYA BORWANKAR	VERMA JAIPRAKASH VINODKUMAR		COMPUTER SCIENCE & ENG.DEPT.(UG)
92	ELICITING RELATIVE PREFERENCES FOR THE ATTRIBUTES OF HEALTH INSURANCE SCHEMES AMONG RURAL CONSUMERS IN INDIA	INTERNATIONAL JOURNAL OF HEALTH ECONOMICS AND MANAGEMENT	ZUHAIR MOHD	RAM BABU ROY		COMPUTER SCIENCE & ENG.DEPT.(UG)
93	TAILORING MAGNETIC AND DIELECTRIC PROPERTIES OF SRFE12O19/NIFE2O4 FERRITE NANOCOMPOSITES SYNTHESIZED IN PRESENCE OF CALOTROPIS GIGANTEA (CROWN) FLOWER EXTRACT	JOURNAL OF ALLOYS AND COMPOUNDS	CHAUHAN CHETNA CHATURBHAI	TANUJ GUPTA	SHER SINGH MEENA	ELECTRONICS & COMMUNICATION ENG.DEPT.(UG)
94	PERFORMANCE ANALYSIS OF VERTICAL MULTIHOP COOPERATIVE UNDERWATER VISIBLE LIGHT COMMUNICATION SYSTEM WITH IMPERFECT CHANNEL STATE INFORMATION	OPTICAL ENGINEERING	SHARMA RACHNA	YOGESH N TRIVEDI		ELECTRONICS & COMMUNICATION ENG.DEPT.(UG)

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95	PERFORMANCE ANALYSIS OF VERTICAL MULTI-HOP COOPERATIVE UNDERWATER VLC SYSTEM WITH IMPERFECT CSI	OPTICAL ENGINEERING	TRIVEDI YOGESH NAGARLAL	RACHNA SHARMA		ELECTRONICS & COMMUNICATION ENG.DEPT.(UG)
96	ROBUST SCHMITT TRIGGER-BASED PERFORMANCE BOOSTER TECHNIQUE FOR FUTURISTIC ON-CHIP GRAPHENE INTERCONNECTS	INTERNATIONAL JOURNAL OF ENGINEERING TRENDS AND TECHNOLOGY (IJETT)	MEHTA USHA SANDEEP	URVI SHAH		ELECTRONICS & COMMUNICATION ENG.DEPT.(UG)
97	A COMPARATIVE STUDY OF VARIOUS FATTY ACIDS AS PHASE CHANGE MATERIAL TO ENHANCE THE FRESHWATER PRODUCTIVITY OF SOLAR STILL	JOURNAL OF ENERGY STORAGE	JYOTIN KATESHIA	LAKHERA VIKAS JANARDHANPRASAD		MECHANICAL ENG.DEPT.(UG)
98	INDIRECT TOOL WEAR MEASUREMENT AND PREDICTION USING MULTI-SENSOR DATA FUSION AND NEURAL NETWORK DURING MACHINING	MATERIALSTODAY: PROCEEDINGS	P.J.BAGGA	BHARAT CHAVDA	VRUTANG MODI	MECHANICAL ENG.DEPT.(UG)
99	INFLUENCE OF TOOL TRAVEL DIRECTION ON MICROHARDNESS AND TRIBOLOGICAL PROPERTIES OF AA2014/SIC-CNT HYBRID SURFACE COMPOSITES PRODUCED BY MULTI-PASS FRICTION STIR PROCESSING	MATERIALS TODAY: PROCEEDINGS	VIVEK PRAGADA	VEDANT SONI	NILESH GHETIYA	MECHANICAL ENG.DEPT.(UG)

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100	INDIRECT TOOL WEAR MEASUREMENT AND PREDICTION USING MULTI-SENSOR DATA FUSION AND NEURAL NETWORK DURING MACHINING	MATERIALS TODAY: PROCEEDINGS	BAGGA PRASHANT JAGDISHCHANDRA	BHARAT CHAVDA	VRUTANG MODI	MECHANICAL ENG.DEPT.(UG)
101	EFFECT OF SINGLE AND DOUBLE PASS FRICTION STIR PROCESSING ON MICROHARDNESS AND WEAR PROPERTIES OF AA5083/AL2O3 SURFACE COMPOSITES	MATERIALS TODAY: PROCEEDINGS	KEVIN PATEL	NILESH D GHETIYA	SHALOK BHARTI	MECHANICAL ENG.DEPT.(UG)
102	ULTRAFINE TITANIUM-DIOXIDE (RUTILE) BASED NANO-CRYSTALLINE DISPERSIONS AS A PIGMENT FOR WATERBORNE COATINGS	PROGRESS IN COLOR COLORANTS COATING	PARIN SHAH	N. AGRWAL	N. REDDY	CHEMICAL ENG.DEPT.(UG)
103	A KINETIC MODEL AND PARAMETERS ESTIMATE FOR THE SYNTHESIS OF 2-PHENYLOCTANE: A STARTING MATERIAL OF BIO-DEGRADABLE SURFACTANT	INDIAN CHEMICAL ENGINEER	SUDIP BANERGEE	MD AURANGZEB	AMIT KUMAR	CHEMICAL ENG.DEPT.(UG)
104	EXPERIMENTAL INVESTIGATION ON PERFORMANCE ESTIMATION OF STRUCTURES SUBJECTED TO CHLORIDE ENVIRONMENT	JOURNAL OF REHABILITATION IN CIVIL ENGINEERING	MODI MONICA	THAKKAR SONAL P		CIVIL ENG.DEPT.(UG)

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105	REDUCTION OF COGGING TORQUE OF RADIAL FLUX PERMANENT MAGNET BRUSHLESS DC MOTOR BY MAGNET SHIFTING TECHNIQUE	ELECTRICAL ENGINEERING & ELECTROMECHANICS	TEJAS H. PANCHAL & AMIT N. PATEL	RAJESH M. PATEL		ELECTRICAL ENG.DEPT.(UG)
106	IDENTIFICATION OF HANDWRITTEN GUJARATI ALPHANUMERIC SCRIPT BY INTEGRATING TRANSFER LEARNING AND CONVOLUTIONAL NEURAL NETWORKS	SADHANA	KRISHN LIMBACHIYA	SHARMA ANKIT RAVINDRA	PRIYANK THAKKAR	INSTRUMENTATION & CONTROLS (UG)
107	ANALYSIS OF VEGETABLE OIL-BASED NANO- UBRICANT TECHNIQUE FOR IMPROVING MACHINABILITY OF INCONEL 690	JOURNAL OF MANUFACTURING PROCESSES	MAKHESANA MAYURKUMAR ASHWINBHAI	K.M.PATEL	NAVNEET KHANNA	MECHANICAL ENG.DEPT.(UG)
108	MACHINABILITY INVESTIGATION OF AISI 4340 STEEL WITH BIODEGRADABLE OIL-BASED MQL SYSTEM	MATERIALSTODAY: PROCEEDINGS	B.K.MAWANDIYA	H.V.PATEL	MAKHESANA MAYURKUMAR ASHWINBHAI	MECHANICAL ENG.DEPT.(UG)
109	A REVIEW OF ARTIFICIAL INTELLIGENCE APPLIED FOR THE SOLUTION OF ISSUES IN THE EXTENSIVE ADAPTION OF SOLAR AND WIND ENERGY	INTERNATIONAL JOURNAL OF AMBIENT ENERGY	MEMON SHEBAZAHEMAD ABDULLATIF	DARSHIT S.UPADHYAY		MECHANICAL ENG.DEPT.(UG)

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110	EFFECT OF MIXING METHOD AND PARTICLE SIZE ON HARDNESS AND COMPRESSIVE STRENGTH OF ALUMINIUM BASED METAL MATRIX COMPOSITE PREPARED THROUGH POWDER METALLURGY ROUTE	JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY	SANKHLA ARVIND M	K.M.PATEL	MAYUR A MAKHESNA	MECHANICAL ENG.DEPT.(UG)
111	TOPOLOGICAL OPTIMIZATION OF WHEEL ASSEMBLY COMPONENTS FOR ALL TERRAIN VEHICLES	MATERIALS TODAY PROCEEDINGS	VIMAL JASOLIYA	SHAH DHAVAL BIPINCHANDRA	ABSAR LAKDAWALA	MECHANICAL ENG.DEPT.(UG)
112	PARAMETRIC STUDY ON PROCESS PARAMETERS OF FDM 3D PRINTER FOR THERMOPLASTIC MATERIALS	MATERIALS TODAY PROCEEDINGS	BIMAL MAWANDIYA	KUSHAL PANCHOLI	SHAH DHAVAL BIPINCHANDRA	MECHANICAL ENG.DEPT.(UG)
113	PRODUCTIVITY IMPROVEMENT IN HONING MACHINING PROCESS	MATERIALS TODAY PROCEEDINGS	BIMAL MAWANDIYA	AXAY SONAGARA	TEJAS BALAR	MECHANICAL ENG.DEPT.(UG)
114	A THEORETICAL INVESTIGATION ON GERMANENE/GRAPHENE COMPOSITE PRESSURE SENSOR UNDER PRE-STRESSED CONDITION	PHYSICA E: LOW-DIMENSIONAL SYSTEMS AND NANOSTRUCTURES	ANKUR PANDYA	SAUMIL DESAI	KEYUR SANGANI	MECHANICAL ENG.DEPT.(UG)