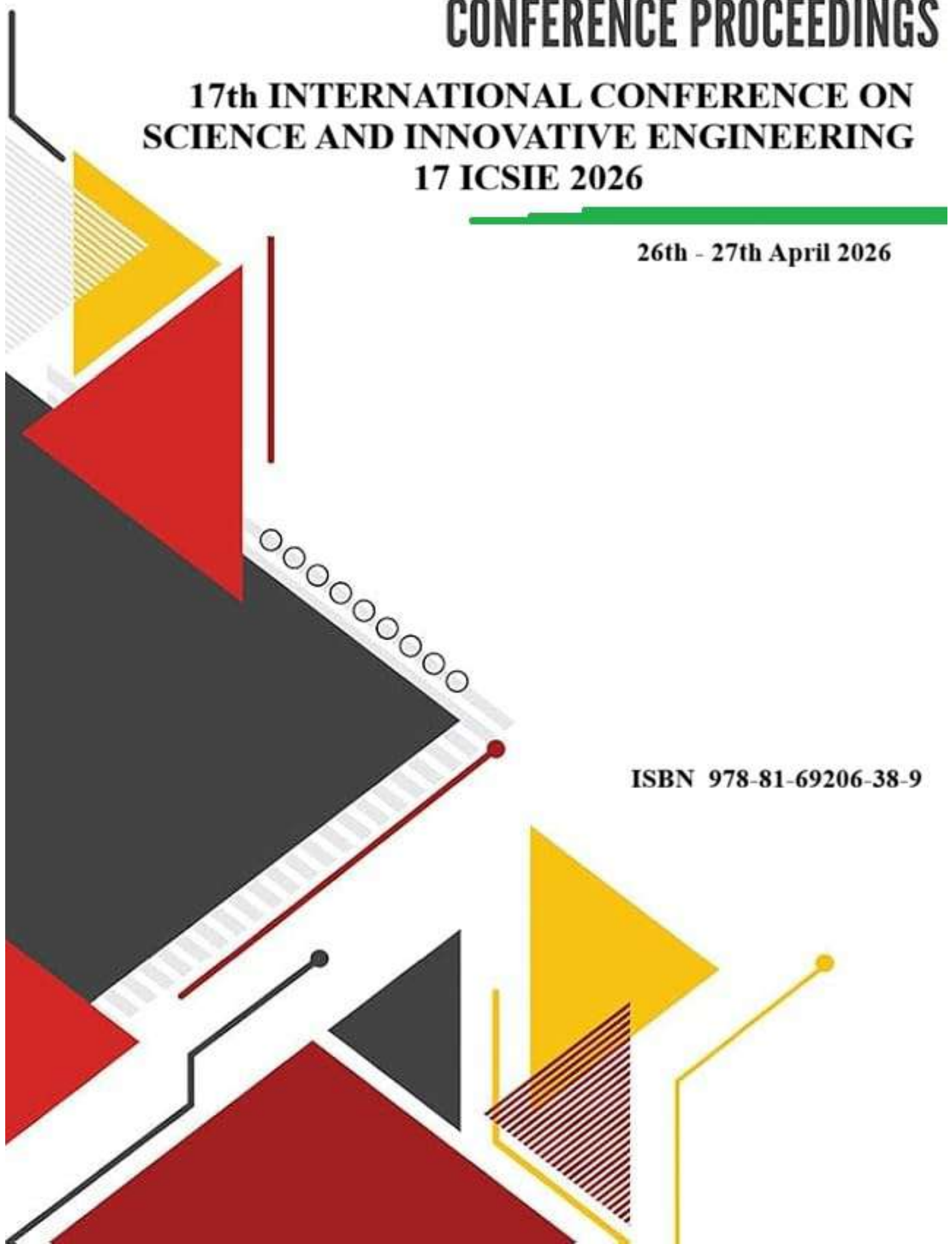




CONFERENCE PROCEEDINGS

17th INTERNATIONAL CONFERENCE ON SCIENCE AND INNOVATIVE ENGINEERING 17 ICSIE 2026

26th - 27th April 2026

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**17th INTERNATIONAL CONFERENCE ON
“SCIENCE AND INNOVATIVE ENGINEERING – 2026”
(ICSIE – 2026)**

April 26th – 27th, 2026

ORGANIZED BY

**ORGANIZATION OF SCIENCE AND INNOVATIVE
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In Association with

**PRINCE DR. K. VASUDEVAN COLLEGE OF ENGINEERING
AND TECHNOLOGY**

Medavakkam - Mambakkam Road, Ponmar, Chennai – 600 127

Website: www.psvpec.in | www.princedrkvasudevan.com

In Collaboration

Manipal University College Malaysia (Melaka Campus)

Melaka, Malaysia

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ICSIE 2026

Proceeding of 15th International Conference on Science and Innovative Engineering

26th & 27th April, 2026

Organized by:

Organization of Science and Innovation Engineering & Technology

(OSIET), Chennai

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CHAIRMAN'S MESSAGE



I am delighted to welcome you all to the International Conference on Science and Innovative Engineering” (ICSIE 2026) which brings together experts and academics from around the world. The conference this year has brought together a tremendous and rich diversity of authors and speakers from universities, government and industry to share ideas and new perspectives on a wide range of Communications, Electronics, Networking, Computer Science, Mechanical and Electricals research and technologies. Addressing the new technical and business issues are essential to advance in today's engineering and technological environments. In order to provide an outstanding technical level for the presentations at the conference, we have invited more than 15 distinguished experts in the Engineering and Technology field to participate in the Advisory Committee. Academic excellence has always been the hall mark of our institute and we are committed to provide a comprehensive education which seeks to develop the students into academically proficient, morally upright and socially well integrated individuals. I would like to express my thanks to all authors for their outstanding contributions and in particular the members of the program board for their competent evaluation of the large number of submissions

We are very pleased with the quality, depth, and breadth of this year's technical program. I wish you a most enjoyable experience at the Conference.

Dr.K.Vasudevan

Chairman

Prince Group of Educational Institutions

VICE CHAIRMAN'S MESSAGE



The words “Engineering” and “Technology” are not just words but are vital disciplines that guide the world by bringing huge changes to the current way of living. Modern Engineering and Technological innovations are making people think that nothing is impossible in this world. Everything can be achieved with an extremely powerful vision and a path to attain that vision. If a person is doing a marvel, keep in mind that you too can outshine them with perseverance. Dr. A. P. J Abdul Kalam said “Dream is not something that comes when you sleep, it is something that doesn’t let you sleep”, so, dream a lot about how to bring changes and try to make the changes come true. Remember earning money is not life; it is just a part of life which can be easily earned when you do it with dedication. Science and technology have become so closely intertwined, and I hope the conference will help you to reinforce each other.

We are very much elated in welcoming you all to our college for the 17th International Conference on Science and Innovative Engineering and I wish the students all the very best for their presentations.

Dr. V. Vishnu Karthick,

Vice Chairman,

Prince Shri Venkateshwara Padmavathy Engineering College.

ADMINISTRATIVE OFFICER'S MESSAGE



The world is growing fast in fact it grows in such a way that a thing invented yesterday becomes obsolete today, which means there is a plethora of competition in each and every discipline of engineering and technology. This scenario goes well with a famous quote of a philosopher Heraclitus, who said, “Change is the only constant in this world.” Nowadays people need new inventions for their daily works so that they can do it with ease. People not only need to do their activities with ease but they also need it to be done within a period of time. As an engineer we need to solve problems that are left unsolved. As a way of showcasing the talents of young minds to find solutions we have organised this 17th International Conference on Science and Innovative Engineering.

I welcome you all to this event, my warm wishes to the students who are going to present their papers and also hearty thanks for the staff who have made this event a great success.

Er. K. Parthasarathy

Administrative Officer

Prince Group of Educational Institutions

PRINCIPAL'S MESSAGE



I am indeed most delighted to chair this 17th International Conference on Science and Innovative Engineering (ICSIE 2026). The sharp, clear sighted vision and precise decision making powers of our management has benefited our college to stay competitive. The Pedagogy at the Institute is Modern where a variety of learning, behavioural tools are used in quality pursuance of knowledge, development of skills, attitudes, and values complemented by academia-industry interface imparting uniqueness to our programme. The Institute focuses on the holistic development of its students through variety of methodologies and extracurricular activities the whole year round. Today, we live in an era of incredibly rapid technological change. Technology has dominated our lives and we now have the ever evolving technology at our finger tips. Symposium, Seminars and International Conferences and Workshops are organized in the institute for their overall development. Teaching and Research are the two primary activities through which we fulfil our Mission and Objective. The Institute takes pride in welcoming the National and International participants for 17th International Conference.

With a firm foundation of the past and high hopes for a bright future, I wish everyone good luck and prosperity ahead. May we grow many technological wings!

Dr. T.Sunder Selwyn

Principal

Prince Dr. K. Vasudevan College of Engineering and Technology.



It's an honour for me to be a part of ICSIE 2026 - the 17th International Conference on Science and Innovative Engineering organized by Prince Dr. K. Vasudevan college of Engineering and Technology, Chennai, Tamil Nadu, India. The objective of this conference is to share knowledge, innovative ideas, various streams experiences and innovations in research and academia.

It's our privilege to have eminent personalities across the globe to enlighten and provoke about the advances in engineering and medical sciences.

I believe that this conference will provide valuable, useful and informative ideas to participant students, researchers and other experts.

I convey my best wishes for success of event.

DR. ANTENEH MESFIN YENENEH
ASSOCIATE PROFESSOR
CHEMICAL ENGINEERING
INTERNATIONAL MARITIME COLLEGE OMAN, SOHAR, OMAN



Technical Education is the backbone of every nation and is the stepping stone for a country to move into the niche of a developed nation. India Entrepreneurs are emerging as a global Entrepreneur, Indian figuring increasingly in the list of the richest persons in the world. India's knowledge power making India as a preferred destination for outsourcing knowledge services from India. India is fast emerging as a destination for world class R&D centres and innovation hub. Young friends they are the signs of even a brighter tomorrow for India and its people.

You must therefore be highly excited to make your own contributions to the growth and development of India as a dream.

As a Keynote speaker of the 17th International Conference on Science and Innovative Engineering (ICSIE 2026), I congratulate all the participants who have contributed their technical articles in the proceedings.

DR. G. N. R. PRASAD
ASSOCIATE PROFESSOR
DEPARTMENT OF MCA
CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY
GANDIPET, TELANGANA, INDIA

ABOUT INSTITUTION

Prince Educational Society was established in 1978 by our Founder - Chairman Dr. K. Vasudevan, M.A., B.Ed., Ph.D. Going down memory lane in the seventies, our Chairman had realized the need for an Institution which will serve as a role model and stand apart from other Educational Institutions.

VISION

The main aim of Prince Dr. K. Vasudevan College of Engineering & Technology is to meet the challenges and demand of the highly advanced scientific and technological fields and to prepare to meet the man power needs of the world.

MISSION

To provide goal-oriented, quality-based and value-added education through state-of-the-art technology on a par with international standards. To promote nation - building activities in science, technology, humanities and management through research. To create and sustain a community of learning that sticks on to social, ethical, ecological, cultural and economic.

About PDKVCET

Prince Dr.K.Vasudevan College of Engineering and Technology has emerged as one of the fastest growing institutions of higher learning in India. We started out as a modest institute in 2009, to serve the needs of the local community. Today, as we enter the 17th year, as a flagship institute, we continue to be in service of country and society. Prince Dr.K.Vasudevan College of Engineering and Technology has a plethora of traditions that make the institute a unique and truly special place. Our institution that produces the next generation of leaders and advances tomorrow's thinking. Prince Educational Society was established in 1978 by our Founder - Chairman Dr. K. Vasudevan, M.A., B.Ed., Ph.D. Going down memory lane in the seventies, our Chairman had realized the need for an Institution which will serve as a role model and stand apart from other Educational Institutions. The setting up of Prince Matriculation Higher Secondary School, Nanganallur, Chennai, helped in the evolution of Prince Matriculation Higher Secondary School, Madipakkam, Chennai, which met this need. In order to serve the poor and the needy, he started a Tamil Medium School as well. Today this educationist, Industrialist and pioneer heads an Arts and Science College and an Engineering College in Chennai. These Institutions aim at imparting quality education in the fields of engineering, arts and science.

OUR GROUP OF INSTITUTIONS

Prince Shri Venkateshwara Padmavathy Engineering College

Prince Dr. K. Vasudevan College of Engineering & Technology

Prince Shri Venkateshwara Arts and Science College

Prince Matriculation Higher Secondary School,7,Kannagi Street, Madipakkam to Puzhuthivakkam, Chennai 091

Prince Sri Vari Vidyalaya CBSE School,93 ,College Road , Nanganallur, Chennai 114.

Prince Sri Vari Vidyalaya CBSE School, 12,Kannagi Street, Madipakkam to Puzhuthivakkam, Chennai 91

Shri Venkateshwara Higher Secondary School, 9,Kannagi Street, Madipakkam to Puzhuthivakkam, Chennai 91

Prince Matriculation Higher Secondary School, 67&68, College Road, Nanganallur, Chennai 114.

ICSIE 2026

PATRON-IN-CHIEF

Thiru. Dr. K. Vasudevan, M.A., B.Ed., Ph.D,
Chairman, Prince Group of Educational Institutions.

Thiru. Dr.V.VishnuKarthik, MD, Vice-Chairman, Prince
Group of Educational Institutions.

SECRETARY

Er.K.Parthasarathy, B.E,
Administrative Officer, Prince Group of Educational Institutions.

CONFERENCE CHAIR

Dr.Sunder Selwyn, Principal,
Prince Dr.K.Vasudevan College of Engineering

KEYNOTE SPEAKERS

Dr. Anteneh Mesfin Yeneneh, Associate Professor, International Maritime
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428	ICSIEDR2603657	A TRUST-AWARE AND EXPLAINABLE DEEP LEARNING-BASED CLINICAL DECISION SUPPORT FOR MULTI-DISEASE DETECTION FROM MEDICAL IMAGES
429	ICSIEDR2603634	CONNEXT: A REAL-TIME PLATFORM FOR EFFICIENT HOME SERVICE DISCOVERY AND MANAGEMENT
430	ICSIEDR2603431	DESIGN AND OPTIMIZATION OF A 38 GHZ SINGLE-ELEMENT MM-WAVE ANTENNA FOR RADAR APPLICATION (KA -BAND)
431	ICSIEDR2603915	INTELLIGENT RADIO RESOURCE ALLOCATION FOR 5G TRAFFIC USING FEDERATED DEEP REINFORCEMENT LEARNING WITH LONG SHORT-TERM MEMORY

432	ICSIEDR2603499	HYGIEIA: AN INTEGRATED AI ECOSYSTEM FOR MULTI-DISEASE PREDICTION WITH LLM-DRIVEN INTERPRETABILITY AND BLOCKCHAIN SECURITY
433	ICSIEDR2603560	ADAPTIVE INFERENCE FOR DEEPFAKE VIDEO DETECTION IN CYBER FORENSICS
434	ICSIEDR2603603	AI- BASED FRUIT AND VEGETABLE EXPIRY PREDICTION SYSTEM
435	ICSIEDR2603850	DESIGN AND FABRICATION OF SMART PROSTHETIC LEG
436	ICSIEDR2603336	MULTI-LABEL PROTEIN FUNCTION ANNOTATION USING DEEP LEARNING
437	ICSIEDR2603329	SENTIMENTX: PRODUCT-LEVEL SENTIMENT ANALYSIS SYSTEM
438	ICSIEDR2603408	BRAND GUARD : EMOTION DETECTION SYSTEM
439	ICSIEDR2604146	AN INTEGRATED MARKETING INTELLIGENCE-DRIVEN FRAMEWORK FOR ENHANCING MANUFACTURING SYSTEM PERFORMANCE USING PREDICTIVE DECISION ANALYTICS
440	ICSIEDR2603513	VERIPROV AI: A MULTI-AGENT HEALTHCARE PROVIDER DATA VALIDATION SYSTEM USING LANGGRAPH-BASED AGENTIC PIPELINE ARCHITECTURE
441	ICSIEDR2603886	AN ENHANCING AND OPTIMIZING LOW-ALTITUDE DRONE DETECTION USING HYBRID RESIDUAL ATTENTION FUSION MODEL
442	ICSIEDR2603386	JOB MANAGEMENT SYSTEM USING AI AND NLP
443	ICSIEDR2603282	DIABETIC RETINOPATHY PREDICTION OF SEVERITY SCALE LEVELS USING RESNEXT
444	ICSIEDR2603159	ASSISTIVE SYSTEM FOR VISUALLY IMPAIRED USERS
445	ICSIEDR2603610	EXPLAINABLE - AI BASED SMART MONITORING OF FLOATING VEGETATION AND AQUATIC POLLUTION
446	ICSIEDR2603561	AI-BASED TRANSLATION OF OLD ASSYRIAN(AKKADIAN)CUNEIFORM TEXTS INTO ENGLISH
447	ICSIEDR2603676	IOT BASED AUTOMATIC VEHICLE ACCIDENT DETECTION AND RESCUE SYSTEM WITH SPEED CONTROL
448	ICSIEDR2603199	PLACEMENT DATA ANALYSIS USING DESCRIPTIVE LOGIC
449	ICSIEDR2604408	DETECTING HATE SPEECH FOR CAD USING SWARM OPTIMISATION AND MACHINE LEARNING TECHNIQUES
450	ICSIEDR2603398	SIMULATION AND PARAMETRIC EVALUATION OF A PASSIVE MICROMIXER FOR EFFICIENT TWO-FLUID SAMPLE MIXING USING COMSOL MULTIPHYSICS
451	ICSIEDR2603460	DESIGN OF A PRESSURE ULCER RELIEVING BED SHEET WITH SODIUM ALGinate BEADS
452	ICSIEDR2603962	INFLUENCE OF HEXAGONAL WEB OPENING ORIENTATION AND SIZE ON THE STRUCTURAL PERFORMANCE OF STEEL BEAMS UNDER STATIC LOADING
453	ICSIEDR2604164	EFFECT OF NUTRITIONAL COMPOSITION AND HEDONIC ON ADDITION OF BASIL LEAVES (OCIMUM SANCTUM) IN PROBIOTIC WATER KEFIR BEVERAGE
454	ICSIEDR2604160	REMOTE ELECTRIFICATION USING RENEWABLE ENERGY SOURCES
455	ICSIEDR2603746	ADAPTIVE STUDY PLANNING AND ASSESSMENT WITH GENERATIVE AI
456	ICSIEDR2603687	CLOUD API ANOMALY DETECTION USING UNSUPERVISED MACHINE LEARNING SYSTEM
457	ICSIEDR2603771	GREEN SYNTHESIS OF ZNO@SIO2 NANOFLOWER USING OG ONION PEEL&POTATOPEEL EXTRACT
458	ICSIEDR2603672	ATTENTION-ENHANCED APPROACH FOR AUTOMATED DENTAL ANOMALY DETECTION
459	ICSIEDR2604090	FOREST FIRE DETECTION SYSTEM : DETECTION OF FIRE USING ARTIFICIAL INTELLIGENCE CONCEPTS
460	ICSIEDR2604381	CAP PROCESSING (CAPPROC)

461	ICSIEDR2604070	CUSTOMER CHURN PREDICTION IN B2B SAAS
462	ICSIEDR2604254	DESIGN AND IMPLEMENTATION OF AES WITH FLIP-FLOP-BASED CLOCK GATING
463	ICSIEDR2604020	INTEGRATING MULTILINGUAL HATE SPEECH DETECTION AND MATERNAL RISK STRATIFICATION IN AN AI-POWERED PREGNANCY SUPPORT PLATFORM
464	ICSIEDR2604094	FOREST FIRE DETECTION SYSTEM : REAL-TIME FOREST FIRE MONITORING AND DETECTION OF FIRE
465	ICSIEDR2603555	ENHANCING AUTOMOTIVE DATA PRIVACY AND SCALABILITY THROUGH BLOCKCHAIN-BASED FEDERATED LEARNING
466	ICSIEDR2603833	AN EFFICIENT DEEP ATTENTION NETWORK FOR PRECISE LIVER TUMOR LOCALIZATION IN MEDICAL IMAGES
467	ICSIEDR2603695	CAMPUSVOICE: A CLOUD-NATIVE FRAMEWORK FOR INTELLIGENT STUDENT GRIEVANCE CLASSIFICATION,PRIORITIZATION, AND RESOLUTION USING ROBERTA-BASED ANALYTICS
468	ICSIEDR2603551	AI-DRIVEN FINANCIAL WORKFLOW AUTOMATION IN EDUCATIONAL ERP SYSTEMS USING INTELLIGENT MULTI-AGENT ARCHITECTURE
469	ICSIEDR2603664	QUANTIFYING COGNITIVE DEGRADATION RISK UNDER STRESS-DRIVEN NUTRITIONAL INSTABILITY FOR SUSTAINABLE MENTAL WELL-BEING
470	ICSIEDR2604167	COMPARATIVE ANALYSIS OF VOLTAGE-MODE SENSE AMPLIFIERS WITH MODIFIED DECAP-ASSISTED PRECHARGE TECHNIQUE
471	ICSIEDR2603986	NAVIGATING DEMAND VOLATILITY: ASSESSING THE STRATEGIC ROLE OF MANUFACTURING FLEXIBILITY IN UNCERTAIN MARKETS
472	ICSIEDR2603766	PEDICARDIONET – A MULTI CLASS ECG-BASED PEDIATRIC DISEASE CLASSIFICATION SYSTEM
473	ICSIEDR2603298	PROFILEGUARD: TRANSFORMING SOCIAL MEDIA BUSINESS OPERATIONS THROUGH AI-DRIVEN IDENTITY SECURITY
474	ICSIEDR2603559	SURVEY ON VIRTUALIZED EVOLVED PACKET CORE (VEPC): MIGRATION, ARCHITECTURE, AND PERFORMANCE IN NEXT-GENERATION TELECOM NETWORKS
475	ICSIEDR2604272	SMART GRIEVANCE REDRESSAL SYSTEM FOR LOCAL GOVERNMENT
476	ICSIEDR2604361	MACHINE LEARNING-BASED GOLD PRICE PREDICTION AND TRADING SYSTEM USING LSTM NETWORKS
477	ICSIEDR2604308	AN AI POWERED EARLY WARNING SYSTEM FOR AGRICULTURE DISEASE MANAGEMENT
478	ICSIEDR2603914	ENERGY-EFFICIENT HYBRID INTRUSION DETECTION FOR NEW-AGE VEHICLES
479	ICSIEDR2604137	REAL ESTATE MANAGEMENT SYSTEM: DESIGN, MODELS AND IMPLEMENTATION
480	ICSIEDR2604249	CUSTOM DATASET-DRIVEN FLOW-BASED INTRUSION DETECTION WITH EXPLAINABLE MACHINE LEARNING AND DEEP LEARNING MODELS
481	ICSIEDR2603731	MULTI-ORGAN CARCINOMA TUMOR DETECTION
482	ICSIEDR2604268	DOS/DDOS DETECTION AND MITIGATION SYSTEM FOR E-COMMERCE PLATFORMS
483	ICSIEDR2604106	DETECTING FORGED IMAGES USING NEURAL NETWORKS AND NOISE RESIDUALS
484	ICSIEDR2603974	ARTIFICIAL INTELLIGENCE BASED WEARABLE SENSING TECHNOLOGIES FOR THE MANAGEMENT OF BREAST CANCER AND DIABETES
485	ICSIEDR2602803	HIGH-PRECISION ECG CLASSIFICATION USING DEEP LEARNING AND ADVANCED ACTIVATION FUNCTIONS
486	ICSIEDR2604380	SMART TRAFFIC MONITORING AND ROUTE RECOMMENDATION SYSTEM USING GOOGLE MAPS

487	ICSIEDR2604507	GOVERNMENT SCHEMES RECOMMENDATION API WITH MULTI-LANGUAGE CHATBOT USING RAG VECTOR SEARCH AND CONVERSATIONAL AI
488	ICSIEDR2604388	ENHANCING CODE COMPREHENSION THROUGH STRUCTURAL VISUALIZATION: THE CODE-STRUCT VISUALIZER
489	ICSIEDR2603290	AI ASSISTED AND IOT BASED SMART SEWAGE SYSTEM
490	ICSIEDR2603976	INTERVIEW HUB: ARTIFICIAL INTELLIGENCE IN RECRUITMENT AND COMPREHENSIVE REVIEW OF INTERVIEW AUTOMATION
491	ICSIEDR2604391	PERFORMANCE ANALYSIS OF DEEP LEARNING NET-ARCHITECTURE FOR BRAIN TUMOR DETECTION AND SEGMENTATION WITH CLINICAL ASSISTANCE
492	ICSIEDR2604175	A SEMANTIC AND CONTEXT AWARE VOLUNTEER TASK MATCHING SYSTEM USING REAL TIME RELEVANCE SCORING
493	ICSIEDR2604373	MACHINE LEARNING-DRIVEN DYNAMIC MULTI-OBJECTIVE GREEDY SCHEDULING FOR SMART PARKING IN FOG-EDGE-CLOUD
494	ICSIEDR2604425	HYBRID CNN-TRANSFORMER MODELS FOR DEEPFAKE DETECTION AND PREVENTION: A SYSTEMATIC LITERATURE REVIEW
495	ICSIEDR2604234	QUANTUM DOTS EMBEDDED GRAPHENE THIN FILMS FOR EMI AND SENSING APPLICATIONS
496	ICSIEDR2604150	RARENET-SMRS: A HYBRID RESILIENCE-CONSCIOUS SYSTEM FOR MENTAL HEALTH RISK ASSESSMENT IN UNIVERSITY STUDENTS
497	ICSIEDR2602633	WEARABLE MIMO ANTENNA WITH METASURFACE INTEGRATION FOR ISM BAND APPLICATIONS
498	ICSIEDR2603860	CREDIT CARD FRAUD IDENTIFICATION USING SMOTE TECHNIQUE
499	ICSIEDR2604446	DATA-EFFICIENT MEDICAL IMAGE DIAGNOSIS VIA SELF SUPERVISED LEARNING
500	ICSIEDR2603751	INTELLIGENT GIG RECOMMENDATION AND OPPORTUNITY IDENTIFICATION USING NLP
501	ICSIEDR2603912	AI-DRIVEN IOT-ENABLED SMART SHELF RETAIL MANAGEMENT SYSTEM
502	ICSIEDR2604257	MOVABLE ROAD DIVIDER FOR ORGANISED VEHICULAR TRAFFIC CONTROL WITH IOT- ENABLED REAL-TIME MONITORING
503	ICSIE2601141	IOT-ENABLED ADVANCED WATER QUALITY MONITORING SYSTEM AND ANALYSIS OF WATER CONSUMPTION USING SMART RETROFIT METER
504	ICSIEDR2603854	WEARABLE GLOVE FOR REAL TIME PARKINSON'S DISEASE DETECTION USING FREQUENCY-DOMAIN DEEP LEARNING
505	ICSIEDR2603536	ACCIDENT PREVENTION USING CAN PROTOCOL
506	ICSIEDR2603867	JARVIS: A NOISE REDUCED INTENT BASED VOICE ASSISTANT
507	ICSIEDR2604341	PRINTING THE FUTURE SUSTAINABLY: A CRITICAL REVIEW OF ECO-EFFICIENT MATERIAL INNOVATIONS IN 3D-PRINTED CONSTRUCTION
508	ICSIEDR2604117	A COMPREHENSIVE REVIEW ON THE USE OF FLY ASH,WOLLASTONITE, AND STEEL SLAG AS PARTIAL CEMENT REPLACEMENTS IN CONCRETE
509	ICSIEDR2603750	A UNIFIED END-TO-END MODEL FOR IMAGE RECONSTRUCTION AND RECOGNITION IN EDGE COMPUTING ENVIRONMENTS
510	ICSIEDR2603943	HYBRID SPATIO-TEMPORAL GRAPH AND IMAGE MODELING FOR ROBUST HUMAN ACTIVITY RECOGNITION
511	ICSIEDR2604527	UNIFIED MACHINE LEARNING-LLM ARCHITECTURE FOR RESUME CLASSIFICATION AND CANDIDATE PROFILING

512	ICSIEDR2603201	CONTEXT-AWARE PREDICTIVE MAINTENANCE OF INDUSTRIAL DRIVE MOTORS USING MULTI-SENSOR IOT EDGE INTELLIGENCE AND RANDOM FOREST CLASSIFICATION
513	ICSIEDR2604273	PREDICTIVE ANALYTICS FOR PREVENTING STAMPEDES USING MACHINE LEARNING
514	ICSIEDR2604218	REDUCTION OF ANCHORAGE STRESSES BY INCORPORATING ARAMID FIBERS IN POST-TENSIONED BEAMS.
515	ICSIEDR2604178	DESIGN AND ANALYSIS OF MIMO ANTENNA FOR SATELLITE APPLICATIONS
516	ICSIEDR2604545	LORA BASED ROBOTICS HAND GESTURE CONTROL SYSTEM
517	ICSIEDR2604433	REMOTE SENSING AND GIS IN PRECISION AGRICULTURE
518	ICSIEDR2604514	HYBRID OPTIMIZATION OF CONVOLUTIONAL NEURAL NETWORKS FOR WASTE IMAGE CLASSIFICATION
519	ICSIEDR2604412	AFFECTOO: AI POWERED EMOTION ADAPTIVE MENTAL WELLNESS GAME
520	ICSIEDR2604120	DESIGN AND IMPLEMENTATION OF REVERSIBLE FAULT-TOLERANT ADDER/SUBTRACTOR CIRCUIT USING BCH CODES
521	ICSIEDR2604134	COMPARATIVE ANALYSIS OF TRANSFORMER AND TRANSFER LEARNING MODELS FOR LUNG CANCER DETECTION
522	ICSIEDR2604132	COMPARATIVE ANALYSIS OF DEEP LEARNING ARCHITECTURES FOR MEDICAL DISEASE IMAGE CLASSIFICATION
523	ICSIEDR2604540	IN SILICO EXPLORATION OF FLAVONOID SCAFFOLDS AS VIM2 METALLO BETA LACTAMASE INHIBITORS FOR COMBATING ANTIMICROBIAL RESISTANCE
524	ICSIEDR2603797	AGRI HYDROTRACK-DIGITAL MONITORING OF WATER RESOURCES FOR CROP SUSTAINABILITY
525	ICSIEDR2604250	SKILLSYNC AI: RESUME AND JOB MATCHING USING NLP AND LLM TECHNIQUES AND SKILL GAP IDENTIFICATION
526	ICSIEDR2604188	TOTEM-POLE BRIDGELESS PFC CONVERTER FOR ELECTRIC VEHICLE ONBOARD CHARGING APPLICATIONS
527	ICSIEDR2604365	A UNIFIED MULTI-BIOMETRIC AUTHENTICATION FRAMEWORK USING SHARED NEURAL ARCHITECTURES FOR STRONGER SECURITY
528	ICSIEDR2604153	MEERAG: A RISK-ADAPTIVE METADATA PROTECTION FRAMEWORK FOR SECURE RETRIEVAL-AUGMENTED GENERATION
529	ICSIEDR2604046	PERFORMANCE EVALUATION OF OOK, BPSK, DPSK AND PAM IN MULTI-GBPS INDOOR LI-FI SYSTEMS
530	ICSIEDR2604086	DEPLOYING AND IMPLEMENTATION OF TLS-ENABLED SECURE NOSQL DATABASE ON CLOUD INFRASTRUCTURE
531	ICSIEDR2603987	MENTALWELL: PRIVACY PRESERVING AI BASED MENTAL HEALTH ASSISTANT
532	ICSIEDR2603929	A DEEP CNN FRAMEWORK FOR AUTOMATED BLOOD GROUP PREDICTION THROUGH HIGH RESOLUTION EYE IMAGE ANALYSIS
533	ICSIEDR2603807	MULTILINGUAL TRANSFORMER-BASED SENTIMENT ANALYSIS FOR CODE-MIXED INDIAN LANGUAGES
534	ICSIEDR2604405	A NOVEL AUTONOMOUS NAVIGATION ASSISTANT FOR SOLO RIDERS
535	ICSIEDR2604421	INTELLIGENT E-MAIL SUPPORT & TICKET SYSTEM
536	ICSIEDR2604236	VITAGUARD EDGE: AN ADAPTIVE EDGE-INTELLIGENT WEARABLE SYSTEM WITH HYBRID LOCALIZATION AND DYNAMIC NETWORK SWITCHING FOR FIRST RESPONDER SAFETY

537	ICSIEDR2604377	DESIGN OF BIOCOMPATIBLE WEARABLE ANTENNA USING EBG STRUCTURE FOR LOW SAR APPLICATION
538	ICSIEDR2603904	DRISHTI: HYBRID SELF-SUPERVISED VIT-CNN FRAMEWORK WITH TTA FOR ROBUST DIABETIC RETINOPATHY DETECTION
539	ICSIEDR2604058	HYBRID VISION- TRANSFORMER IMAGING WITH TABNET- LIGHTGBM WITH CLINICAL INTEGRATION FOR PRECISE OVARIAN CANCER PREDICTION
540	ICSIE2601880	IMPLEMENTATION AND EVALUATION OF DE-SOCIAL DAO: A HYBRID DECENTRALIZED ARCHITECTURE FOR COMMUNITY-GOVERNED SOCIAL MEDIA
541	ICSIEDR2604180	SPEECH-DRIVEN SECURE BANKING SYSTEM WITH VOICE BIOMETRICS
542	ICSIEDR2603958	AI-DRIVEN SMART TUNNELLING & UNDERGROUND SAFETY
543	ICSIEDR2604439	HYBRID MACHINE LEARNING AND MODIFIED COMPACT GENETIC ALGORITHM FRAMEWORK FOR BREAST CANCER BIOMARKER SELECTION
544	ICSIEDR2604266	HEALTHMATE: AI POWERED CROSS PLATFORM PERSONAL WELLNESS ASSISTANT
545	ICSIEDR2604355	DEEP LEARNING-BASED BONE FRACTURE CLASSIFICATION FROM X-RAY IMAGES USING VGG16 ARCHITECTURE
546	ICSIEDR2603814	MICRO -DOPPLER BASED TARGETS USING PREDICTIONS
547	ICSIEDR2604383	SCHEMA RELATIONSHIP ATTRIBUTE (SRA): AN ORA-INSPIRED REPRESENTATION FOR LLM-BASED TEXT-TO-SQL
548	ICSIEDR2603712	SMART AGRO AI: AN INTELLIGENT CROP RECOMMENDATION, YIELD PREDICTION AND DYNAMIC ADVISORY SYSTEM
549	ICSIEDR2603988	IOT-BASED HIGH-ACCURACY FIRE DETECTION AND AUTOMATED WATER SUPPRESSION SYSTEM WITH REAL-TIME EMERGENCY ALERTS
550	ICSIEDR2603813	DRINET: DYNAMIC REGION INTERACTION NETWORK FOR INTELLIGENT BRAIN TUMOR PREDICTION
551	ICSIEDR2604456	AI-BASED IMAGE COMPRESSION AND DECOMPRESSION USING DEEP AUTOENCODERS
552	ICSIEDR2604097	MINDMATE.AI
553	ICSIEDR2603815	AN AI-POWERED DIET RECOMMENDER FOR DIABETIC PATIENTS USING KNOWLEDGE GRAPHS & GRAPH NEURAL NETWORKS
554	ICSIEDR2603983	DATA SCIENCE DRIVEN AGRICULTURAL YIELD PREDICTION SYSTEM
555	ICSIEDR2604398	EFFECTIVE SKULL STRIPPING AND MULTI-TISSUE BRAIN SEGMENTATION FOR EPILEPSY DIAGNOSIS
556	ICSIEDR2603917	PHISHING DETECTION USING FEATURE SELECTION WITH DEEP LEARNING MODELS: FNN, DNN, AUTOENCODER, GCN, AND TABTRANSFORMER
557	ICSIEDR2604435	REAL-TIME ADAPTIVE INTRUSION DETECTION SYSTEM USING FEDERATED DEEP LEARNING IN COMPUTERS NETWORKS
558	ICSIEDR2604066	AUTONOMOUS AI-DRIVEN SECURITY ORCHESTRATION FRAMEWORK WITH CONTEXT-AWARE REASONING AND SAFE ACTION VALIDATION: MARS SOC
559	ICSIEDR2603960	DEEP LEARNING-BASED CRACK DETECTION AND PROGRESS MONITORING FOR STRUCTURAL HEALTH ASSESSMENT USING YOLOV8
560	ICSIEDR2604101	AN AGENTIC AI FRAMEWORK FOR ADAPTIVE NETWORK ANOMALY DETECTION
561	ICSIEDR2604281	A HYBRID ANOMALY-BASED CYBERSECURITY THREAT DETECTION SYSTEM WITH DISTRIBUTED MONITORING AND CENTRALIZED SOC ANALYSIS
562	ICSIEDR2603811	AN IMAGE-BASED DEEP LEARNING SYSTEM FOR DETECTION OF EXTERNAL EYE DISEASES

563	ICSIEDR2603893	EDGE AI-BASED CARDIAC ARRHYTHMIA DETECTION USING DEEP CNN MODEL
564	ICSIEDR2604270	AI-BASED CYBERSECURITY FRAMEWORK FOR PROACTIVE MALICIOUS IP DETECTION
565	ICSIE2601457	A LEARNING AND ENHANCING REMOTE SENSING CHANGE DETECTION USING HYBRID SPATIO-FREQUENCY INTERACTION FRAMEWORK
566	ICSIEDR2604196	AI-BASED FOOD LABEL READER FOR NUTRITIONAL EVALUATION AND INGREDIENT RISK DETECTION IN PACKAGED FOODS
567	ICSIEDR2603963	PROCESS OPTIMIZATION AND BIOACTIVITY EVALUATION OF PULSED ELECTRIC FIELD–PRETREATED ULTRASOUND EXTRACTION FROM TARAXACUM OFFICINALE ROOT USING HYBRID RSM–FUZZY MODELING
568	ICSIEDR2604396	NEUROTWIN - HYBRID AI AND DIGITAL TWIN FOR BRAIN MONITORING
569	ICSIEDR2604508	SMART COUPON VERIFICATION AND SCAM URL DETECTION SYSTEM USING FLASK AND CLOUDFLARE
570	ICSIEDR2603026	SMART TYRE ANALYZER USING SENSORS
571	ICSIEDR2604342	ASTROMIND: MULTIMODAL MULTIAGENT SYSTEM FOR PSYCHOLOGICAL MONITORING OF ASTRONAUTS
572	ICSIEDR2604460	IOT-BASED WASTEWATER MANAGEMENT IN SMART CAMPUSES: A COMPARATIVE STUDY OF MACHINE LEARNING AND DEEP LEARNING MODELS
573	ICSIEDR2604428	CYBERBULLYING DETECTION IN SOCIAL MEDIA TEXT AND IMAGE
574	ICSIEDR2604113	A DEEP LEARNING BASED FRAMEWORK FOR DISEASE DETECTION IN SILKWORMS AND MULBERRY LEAVES
575	ICSIEDR2604429	ASSURING SAFER SKIES FOR AIRCRAFTS BY DETECTING ANOMALIES WITH ADS-B AND ALERTING WITH ADAS DECISION ENGINE
576	ICSIEDR2604197	TOWARDS SMART AGRICULTURE: INTEGRATION OF DEEP LEARNING, ROBOTICS, AND INTELLIGENT E-COMMERCE FOR PLANT HEALTH MANAGEMENT
577	ICSIEDR2604392	SMART EVACUATION USING REAL TIME CROWD DENSITY ESTIMATION AND GIS BASED PATH PLANNING
578	ICSIEDR2604533	CUSTOMER CHURN PREDICTION MODEL
579	ICSIEDR2604232	INTELLIGRADE: AN AUTOMATED SYSTEM FOR EVALUATING HANDWRITTEN ANSWER BOOKLETS
580	ICSIEDR2603709	FAIRUI - SCALABLE INTERFACE FAIRNESS EVALUATION PLATFORM
581	ICSIEDR2604397	RESEARCH ON NATURAL LANGUAGE MISLEADING CONTENT DETECTION METHOD BASED ON ATTENTION MECHANISM
582	ICSIEDR2603990	HONEYBAG: A CONTAINERIZED MULTI-PROTOCOL HONEYPOT FRAMEWORK FOR REAL-TIME IOT THREAT INTELLIGENCE
583	ICSIEDR2604099	AI CAREER GUIDANCE AND COURSE RECOMMENDATION SYSTEM USING MACHINE LEARNING
584	ICSIEDR2604438	AI-DRIVEN STRESS DETECTION AND ADAPTIVE MITIGATION SYSTEM USING SLEEP PATTERNS
585	ICSIEDR2604442	FAKE NEWS DETECTION USING MACHINE LEARNING AND NLP
586	ICSIEDR2603365	SWASTH BHARATH
587	ICSIEDR2603947	DEEP LEARNING FRAMEWORK FOR EARLY DETECTION AND CLASSIFICATION OF BRAIN TUMOR USING MRI IMAGES
588	ICSIEDR2603002	AN INTELLIGENT CITIZEN SERVICE PORTAL FOR E-GOVERNANCE WITH SMART TOKEN SCHEDULING

589	ICSIEDR2603109	A HYBRID EFFICIENTNET - RESNET FRAMEWORK FOR MULTIMODAL IMAGE RETRIEVAL USING IMAGE - TEXT CORRELATION
590	ICSIEDR2603798	VISIONAID AI: A DISTRIBUTED AI-POWERED ACCESSIBILITY ASSISTANT FOR VISUALLY IMPAIRED STUDENTS USING OCR AND LARGE LANGUAGE MODELS
591	ICSIEDR2603783	ENSEMBLE-BASED MULTI-OUTPUT BUG REPORT CLASSIFICATION WITH SIMULTANEOUS CATEGORY, SEVERITY, AND FIX PREDICTION USING RANDOM FOREST AND FLASK DEPLOYMENT
592	ICSIEDR2604149	MULTI AGENT SYSTEM FOR AUTOMATED CONSTRUCTION AND VALIDATION OF MULTIMODAL KNOWLEDGE GRAPHS
593	ICSIEDR2603785	POST-QUANTUM SECURE MEDICAL IMAGING PLATFORM: ZERO-TRUST FRAMEWORK FOR HEALTHCARE PROTECTION
594	ICSIEDR2603841	A COMPREHENSIVE REVIEW OF SOIL NUTRIENT AND MOISTURE RETRIEVAL USING HYPERSPECTRAL REMOTE SENSING TECHNIQUES
595	ICSIEDR2604431	ATTENTION-BASED MULTI-SHIP TRAJECTORY PREDICTION FOR MARITIME COLLISION AVOIDANCE
596	ICSIEDR2604468	BLOCKIDS: AN EDGE-ASSISTED MACHINE LEARNING AND BLOCKCHAIN-BASED INTRUSION DETECTION SYSTEM FOR UNSW-NB15 INDUSTRIAL IOT TRAFFIC
597	ICSIEDR2604057	INFORMATION COMMUNICATION
598	ICSIEDR2604059	LAWGENIUS: AN NLP-DRIVEN FRAMEWORK FOR PREDICTIVE LEGAL JUDGMENT ANALYSIS
599	ICSIEDR2604528	POST QUANTUM SIGNATURE MANAGEMENT WITH DISTRIBUTED LEDGER FOR SECURE MULTI-DOMAIN IOT VERIFICATION
600	ICSIEDR2603563	COGFAT:A DIGITAL COGNITIVE FATIGUE ANALYSIS AND MITIGATION SYSTEM
601	ICSIEDR2604496	A WEB-BASED ATTENDANCE SYSTEM WITH FACE RECOGNITION AND REAL-TIME STUDENT DISTRACTION DETECTION USING HAAR CASCADE AND LBPH
602	ICSIEDR2604478	DEPTH AWARE ADAPTIVE POLYNOMIAL COMPENSATION AND ENHANCEMENT FRAMEWORK
603	ICSIEDR2604521	DESIGN AND ANALYSIS OF AN APPROXIMATE COMPUTATION-BASED SYSTOLIC ARRAY FOR IMAGE PROCESSING APPLICATIONS
604	ICSIEDR2604038	FRAUD DETECTION SYSTEM USING MACHINE LEARNING WITH INTERACTIVE DASHBOARD AND TRANSACTION MONITORING
605	ICSIEDR2604269	INTELLIGENT CRIMINAL FACE RECOGNITION SYSTEM WITH ADAPTIVE ALERTS, RELIABILITY TRACKING, AND LOW-LATENCY NOTIFICATIONS
606	ICSIEDR2604126	LABVIEW AND ARDUINO BASED INDUSTRIAL EQUIPMENT MONITORING SYSTEM
607	ICSIEDR2603910	PDF-DRIVEN AI CHATBOT FOR FACILITATING PROJECT MANAGEMENT
608	ICSIEDR2603857	TEMPORAL SEMANTIC DRIFT MINING FOR LONGITUDINAL PRODUCT QUALITY MONITORING USING CUSTOMER REVIEWS
609	ICSIEDR2604237	LORA-BASED IOT MINING SAFETY MONITORING AND EMERGENCY ALERT SYSTEM
610	ICSIEDR2604505	MEDBOT:CHATBOT DRIVEN MEDICAL IMAGE ANALYSIS
611	ICSIEDR2604177	UNDERWATERSION: A FUNIE-GAN ENHANCED YOLOV8 PIPELINE FOR UNDERWATER DEBRIS DETECTION AND AUTOMATED POLLUTION REPORTING
612	ICSIEDR2604213	AI BASED MALICIOUS KEYSTROKES DETECTION SYSTEM
613	ICSIEDR2604399	EDGE-BASED IOT AIR QUALITY MONITORING SYSTEM
614	ICSIEDR2603899	AN INTERPRETABLE MULTI-MODEL LEARNING FRAMEWORK FOR DEPRESSION REGRESSION FROM EEG AND SPEECH

615	ICSIEDR2604190	SPARSE CHANNEL ESTIMATION WITH COMPRESSED SENSING
616	ICSIEDR2604532	MACULAR EDEMA DETECTION AND CLASSIFICATION USING MACHINE LEARNING ALGORITHMS
617	ICSIEDR2603918	COMPARATIVE ANALYSIS OF XCEPTION AND RESNET50V2 FOR EARLY BLIGHT DISEASE CLASSIFICATION IN POTATO LEAVES
618	ICSIEDR2604183	PRIVACY-PRESERVING MULTI-CLASS BRAIN TUMOR CLASSIFICATION USING FEDERATED DENSENET121 ARCHITECTURE
619	ICSIEDR2604224	IOT-INTEGRATED PLANT GROWTH CHAMBER FOR GUIDED HEALTH MONITORING VIA IMAGE PROCESSING WITH C02 OPTIMIZATION
620	ICSIEDR2603901	INTEGRATED AGENTIC AI FRAMEWORK FOR AUTOMATED RESEARCH PAPER REVIEW
621	ICSIEDR2604156	SENSEGATE: AN SMART-DRIVEN ADAPTIVE PARKING ACCESS SYSTEM
622	ICSIEDR2604261	A SECURE AND AUTHENTICATED WEB-BASED SCADA FOR MODBUS TCP PLC MONITORING AND SUPERVISORY CONTROL
623	ICSIEDR2604103	A UNIFIED FRAMEWORK FOR STRESS DETECTION AND SLEEP STAGING VIA DOMAIN-ADVERSARIAL TRANSFORMERS AND SELF-SUPERVISED TRANSFER LEARNING
624	ICSIEDR2604362	HYBRID AGENT-BASED MODELING FOR ADAPTIVE PASSENGER FLOW OPTIMIZATION IN AIRPORT SECURITY SYSTEMS
625	ICSIEDR2604220	AUTOMATING FORENSIC INTERVIEW DOCUMENTATION: A HYBRID TRANSCRIPTION, DIARIZATION, AND REPORT SYNTHESIS PIPELINE
626	ICSIEDR2604225	HIERARCHICAL DEEP LEARNING FRAMEWORK FOR ENVIRONMENTAL NOISE CLASSIFICATION USING CONVOLUTIONAL RECURRENT NEURAL NETWORK
627	ICSIEDR2604299	DEEPFAKE DETECTION IN CYBERSECURITY SYSTEMS LEVERAGING ARTIFICIAL INTELLIGENCE
628	ICSIEDR2603934	SMART HEALTH SURVEILLANCE AND EARLY WARNING SYSTEM FOR WATER BORNE DISEASE
629	ICSIEDR2604275	AN AI-BASED M-PRA: MULTIMODAL SYSTEM FOR PSYCHOLOGICAL RISK ASSESSMENT USING BEHAVIORAL, CONVERSATIONAL AND FACIAL ANALYSIS
630	ICSIEDR2604411	BREATH ANALYSIS FOR RESPIRATORY DISEASE CLASSIFICATION USING MACHINE LEARNING
631	ICSIEDR2604432	ESP32-CAM BASED SMART ATTENDANCE AND BUNK ALERT SYSTEM
632	ICSIEDR2604403	REINFORCEMENT Q-LEARNING FRAMEWORK FOR PATH TRACKING OF AUTONOMOUS ROBOT
633	ICSIEDR2604198	DESIGN AND VALIDATION OF A LIGHTWEIGHT AI- ENABLED SEARCH AND RESCUE TERRAIN ROBOT
634	ICSIEDR2603905	INTELLIGENT ENERGY OPTIMIZATION SYSTEM FOR INDUSTRIES AND COMMERCIAL BUILDINGS USING AI, REAL - TIME ANALYTIC AND AUTOMATION
635	ICSIEDR2604486	COMPARATIVE ANALYSIS OF RETRIEVAL-AUGMENTED GENERATION (RAG) VS. PARAMETER-EFFICIENT FINE-TUNING (PEFT) FOR BIOMEDICAL QUESTION ANSWERING ON PUBMEDQA
636	ICSIEDR2603928	A HYBRID MULTI-DISEASE PREDICTION FRAMEWORK INTEGRATING MEDICAL IMAGING AND CLINICAL DATA USING DEEP LEARNING WITH AN INTERACTIVE STREAMLIT DASHBOARD
637	ICSIEDR2604371	DEVELOPMENT OF ECO-FRIENDLY PACKAGING COMPOSITE FROM SPENT MUSHROOM SUBSTRATE, EGGSHELL WASTE, AND FISH SCALES FOR FOOD APPLICATIONS
638	ICSIEDR2604143	TERRAVISION-INDIA: AI FRAMEWORK IN NATIONAL GEOSPATIAL INTELLIGENCE
639	ICSIEDR2604316	A DYNAMICALLY INTEGRATING AND OPTIMIZING INTRUSION DETECTION USING ADAPTIVE HYBRID META-STACK FRAMEWORK
640	ICSIEDR2603380	AI ENHANCED FRAUD LOAN DOCUMENT DETECTION
641	ICSIEDR2603921	IOT BASED SMART COMPRESSED AIR MONITORING SYSTEM USING PLC

642	ICSIEDR2604519	DESIGN AND PHOTOCATALYTIC DYE DEGRADATION PERFORMANCE OF RARE-EARTH CO-DOPED BARIUM FERRITE NANOSTRUCTURES
643	ICSIEDR2604336	CAMERA-BASED INTELLIGENT ASSISTIVE SYSTEM FOR VISUALLY IMPAIRED PEOPLE USING OBSTACLE DETECTION, KNOWN PERSON IDENTIFICATION, VOICE -BASED NAVIGATION
644	ICSIEDR2604271	A ROBUST DEEP LEARNING MODEL FOR PNEUMONIA IDENTIFICATION WITH LUNG SEGMENTATION AND XAI
645	ICSIEDR2604511	CYBERSECURITY FRAMEWORK FOR ATTACK PATH ANALYSIS: A COMPARATIVE EVALUATION OF MACHINE LEARNING AND DEEP LEARNING MODELS
646	ICSIEDR2604484	A CAUSALITY - DRIVEN HEART DISEASE PREDICTION FRAMEWORK INTEGRATING QUANTUM – INSPIRED OPTIMIZATION AND NEURO
647	ICSIEDR2604550	NON-INVASIVE BLOOD GLUCOSE MONITORING USING PHOTOPLETHYSMOGRAPHY WITH ON-DEVICE MACHINE LEARNING
648	ICSIEDR2604551	SOLID WASTE SEGREGATION SYSTEM
649	ICSIEDR2603564	FASTTEXT-ENHANCED VECTOR SPACE MODEL FOR SEMANTIC EVENT MATCHING
650	ICSIEDR2604322	DESIGN AND SIMULATION OF HEAT EXCHANGER MODELS USING QUANTUM WALK SEARCH ALGORITHM
651	ICSIEDR2603720	SMART TRAFFIC SIGNAL CONTROL USING REAL-TIME TRAFFIC DENSITY
652	ICSIEDR2604079	MULTI-SLICE CT-BASED EARLY STROKE DETECTION USING ATTENTION-DRIVEN DEEP NEURAL NETWORKS
653	ICSIE2601363	VAPOUR HOLOGRAM GENERATION USING FOG SCREEN
654	ICSIEDR2604108	AN NLP-BASED APPROACH TO MISINFORMATION AND FAKE NEWS IDENTIFICATION
655	ICSIE2601907	ROTATION-AWARE OBJECT DETECTION IN REMOTE SENSING IMAGES USING TRANSFORMERS
656	ICSIEDR2604458	AI-BASED DOMAIN AND WEBSITE LEGITIMACY PREDICTION: A REAL-TIME EXPLAINABLE FRAMEWORK FOR CYBERSECURITY
657	ICSIEDR2604467	INTELLIGENT ADAPTIVE LEARNING SYSTEM USING REAL-TIME ENGAGEMENT ANALYSIS AND LARGE LANGUAGE MODELS
658	ICSIEDR2604376	ADAPTIVE HYBRID SEQUENTIAL FUSION FOR ELECTRICITY THEFT DETECTION IN TRADITIONAL POSTPAID METERING SYSTEMS
659	ICSIEDR2604510	A HYBRID NLP-BASED INDIAN CRIMINAL CASE RETRIEVAL SYSTEM USING BM25 AND TRANSFORMER MODELS
660	ICSIEDR2604203	HIGH-PERFORMANCE FPGA MULTI-CORE MEMORY MANAGEMENT USING DYNAMIC PARTIAL RECONFIGURATION
661	ICSIEDR2604186	MACHINE LEARNING-BASED PREDICTIVE MODELING AND MULTI-OBJECTIVE OPTIMIZATION FOR LOW-POWER VLSI CIRCUIT DESIGN
662	ICSIEDR2603699	AI-ENHANCED CONDITION MONITORING FOR MARINE MACHINERY: A PREDICTIVE MAINTENANCE FRAMEWORK USING SENSOR DATA ANALYTICS
663	ICSIEDR2603944	STUDENT EVENT AND CLUB PORTAL
664	ICSIE2601317	A MULTI-DIMENSIONAL ARTIFICIAL INTELLIGENCE FRAMEWORK FOR DETECTING DECEPTIVE REVIEWS USING SENTIMENT DYNAMICS AND ENGAGEMENT SIGNALS
665	ICSIEDR2604487	MODELING AND SIMULATION OF GARBAGE FETCHING ROBOT

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Food security and economic well-being are the pillars of agriculture, especially in agrarian economies. Crop yield is, however, an outcome of a compound interdependency of numerous factors like weather, soil, kind of crop, and method of farming. Calculation of yield by conventional methods is inaccurate and unforgiving. With these hurdles being overcome in the wake of such, the project in progress is within view with a Data Science-Based Crop Yield Forecasting System through the assistance of machine learning methods that are advanced and data analysis in order to successfully predict crop yield. The system incorporates diverse sources of information including historical crop yield, climatic trends, health conditions of soils, and satellite images. Preprocessing and feature engineering standardize and extract essential information from data. Predictive machine learning algorithms such as Random Forest, XGBoost, and Linear Regression get trained and validated on the basis of prediction accuracy. The system helps farmers, policymakers, and agricultural scientists in making the appropriate decision with respect to the selection of crop, utilization of resources, and risk management. The system helps in sustainable agriculture and increased productivity on the basis of data science.

555. EFFECTIVE SKULL STRIPPING AND MULTI-TISSUE BRAIN SEGMENTATION FOR EPILEPSY DIAGNOSIS

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The MRI-based diagnosis of epilepsy relies on the detection of subtle changes in the brain, which requires exceptionally clean and refined image preprocessing. One of the major challenges is the robust removal of non-brain tissue and the proper delineation of brain tissue. To address variability in skull stripping, FreeSurfer's SynthStrip is used, executed within Docker Desktop to ensure cross-platform consistency and reproducibility. For the segmentation of white and gray matter from T1-weighted MRI images, FastSurfer is a deep learning-based neuroimaging pipeline used for the fully automated processing of structural human brain MRIs. By leveraging FastSurfer's advanced Convolutional Neural Network architecture rather than traditional clustering, the proposed approach maintains high spatial resolution and structural fidelity even when images exhibit varying levels of contrast. Validating this framework on a wide variety of T1-weighted image data, the skull-stripping achieved a Volume Reduction Ratio of 80.12%, where the average VRR is 47.2%, and the proposed segmentation attained the dice score of 91%. In conclusion, the proposed segmentation can be efficiently used for the detection of neurological disorders.

556. PHISHING DETECTION USING FEATURE SELECTION WITH DEEP LEARNING MODELS: FNN, DNN, AUTOENCODER,