ACADEMIC PROJECTS:

Igeeks Technologies is a company located in Bangalore, India. We have been recognized as a quality provider of hardware and software solutions for the student's in order to carry out their academic Projects. We offer academic projects from more than 14+ years' experience in various academic levels ranging from graduates to masters (Diploma, BCA, BE, M. Tech, MCA, PhD). As a part of the development training, we offer Projects in Embedded Systems & Software to the Engineering College students in all major disciplines. Our Award Winning Tech Team have trained thousands of students and have guided over 4000+ working projects via Practical Research based Project training, out of which some of the projects have won best project awards at various national & international competitions and expos.

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- Project base paper, synopsis
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- Project guidance from experienced people
- Internship certificate.
- Crash courses for out station students
- On-line Project Execution
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Igeeks is India's no.1 internship platform with 44000+ internships in Engineering, MBA, Commerce & Management, and other streams. Igeeks is here to help bridge the gap between a students' classroom environment and their workplace atmosphere. Igeeks provide internship training on latest cutting edge technologies in the industry for easy placements of students. We provide hands-on experience on our real time projects to expose the students on the real world challenges and industry standards of implementing a project.

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	PYTHON – ML, AI, NN, IP, DL BASED PROJECT TITLES
IPMA001	21_IEEE_MONITORING PANDEMIC PRECAUTIONARY PROTOCOLS USING REAL-TIME SURVEILLANCE AND ARTIFICIAL INTELLIGENCE
IPMA002	DEEP-LEARNING-BASED ROAD CRACK DETECTION FRAMEWORKS FOR DASHCAM-CAPTURED IMAGES
IPMA003	A FRAMEWORK FOR ANALYSIS OF ROAD ACCIDENTS
IPMA004	25_PY_SUICIDAL IDEATION DETECTION: A REVIEW OF MACHINE LEARNING METHODS AND APPLICATIONS
IPMA005	26_PY_SOCIAL DISTANCING DETECTION FOR COVID-19 USING OPENCV AND DEEP LEARNING
IPMA006	27_PY_PREDICTING ANXIETY DEPRESSION AND STRESS IN MODERN LIFE USING DASS21 QUESTIONNAIRE DATASET
IPMA007	28_PY_FEATURES EXTRACTION AND CLASSIFICATION FOR DETECTION OF KIDNEY STONE REGION IN ULTRASOUND IMAGES
IPMA008	29_PY_PREDICTING EXPLOSIVE GAS COMPONENTS USING MACHINE LEARNING
IPMA009	30_PY_PERFORMANCE EVALUATION OF ML CREDIT CARD FRAUD DETECTION
IPMA010	32_PY_20_IN-DEPTH SURVEY TO DETECT, MONITOR AND MANAGE CROWD
IPMA011	33_PY_FAKE CURRENCY DETECTION USING DIGITAL IMAGE PROCESSING
IPMA012	35_PY_GENDER RECOGNITION BY VOICE USING AN IMPROVED ML ALGORITHM
IPMA013	36_PY_IMAGE PROCESSING FOR MANGO RIPENING STAGE DETECTION
IPMA014	15_PY_MACHINE LEARNING TECHNIQUES FOR STRESS PREDICTION IN WORKING EMPLOYEES
IPMA015	16_PY_INTRADAY STOCK PRICE FORECASTING USING AN AUTO REGRESSIVE TIME SERIES MODEL – ARIMA
IPMA016	16_PY_NIFTY INDEX PREDICTION APPROACH FOR STOCK MARKET VOLATILITY BASED ON TIME SERIES – ARIMA
IPMA017	17_PY_HEART DISEASE IDENTIFICATION METHOD USING MACHINE LEARNING CLASSIFICATION IN E-HEALTHCARE
IPMA018	18_PY_LOAN APPROVAL PREDICTION BASED ON MACHINE LEARNING APPROACH
IPMA019	19_PY_FRUIT DISEASE CLASSIFICATION AND IDENTIFICATION USING IMAGE PROCESSING
IPMA020	20_PY_CLASIFICATION OF MEDICINAL PLANTS BY VISUAL CHARACTERISTICS OF FLOWERS
IPMA021	21_PY_KRISHI SADANA - PESTS CLASSIFICATION AND DETECTION USING MACHINE LEARNING
IPMA022	22_PY_COVID-19 FUTURE FORECASTING OF DEATH RATE USING ML
IPMA023	25_PY_SUICIDAL IDEATION DETECTION A REVIEW OF ML METHODS
IPMA024	CROP PREDICTION AND EFFICIENT USE OF FERTILIZERS USING MACHINE LEARNING
IPMA025	MACHINE LEARNING ANALYSIS OF AIRBREATHING PROPULSION OF TUROJET ENGINE
IPMA026	MACHINE LEARNING TECHNIQUES FOR STRESS PREDICTION IN WORKING EMPLOYEES
IPMA027	COVID-19 FUTURE FORECASTING OF DEATH RATE USING SUPERVISED MACHINE LEANING ALGORITHM
IPMA028	1_PY_MACHINE LEARNING APPROACH FOR AIR QUALITY PREDICTION AND ANALYSIS
IPMA029	2_PY_FEATURE EXTRACTOR ANALYSIS FOR TRAFFIC CLEARANCE IN EMERGENCY FOR AMBULANCE
IPMA030	3_PY_SKIN DISEASE RECOGNITION CNN
IPMA031	3_PY_SKIN DISEASE RECOGNITION METHOD BASED ON IMAGE COLOR AND TEXTURE FEATURES
IPMA032	5_PY_ARTIFICAL INTELLIGENCE BASED MATERIAL SORTING FOR INDUSTRIAL PRODUCTION
IPMA033	6_PY_CNN BASED LEAF DISEASE IDENTIFICATION AND REMEDY RECOMMENDATION SYSTEM
IPMA034	8_PY_VIRTUAL TRY ON SYSTEM FOR GARMENTS OUTLETS
IPMA035	14_PY_MACHINE LEARNING BASED BRAIN TUMOR ANALYSIS USING CONVOLUTIONAL NEURAL NETWORK

IPMA036	14_PY_DEEP LEARNING FOR MULTIGRADE BRAIN TUMOR CLASSIFICATION IN SMART HEALTHCARE SYSTEMS A PROSPECTIVE SURVEY
IPMA037	STRESS PREDICTION OF PROFESSIONAL STUDENTS USING MACHINE LEARNING
IPMA038	A PREDICTION APPROACH FOR STOCK MARKET VOLATILITY BASED ON TIME SERIES DATA
IPMA039	A WAVELET BASED DEEP LEARNING METHOD FOR UNDERWATER IMAGE SUPER RESOLUTION RECONSTRUCTION
IPMA040	DEEP NEURAL NETWORK ARCHITECTURE APPLICATION FOR FACIAL EXPRESSION RECOGNITION
IPMA041	COVID-19 SOCIAL DISTANCING DETECTOR IN VIDEO
IPMA042	MACHINE LEARNING METHODS FOR DISEASE PREDICTION WITH CLAIMS DATA
IPMA043	TIME SERIES PREDICTION OF AGRICULTURAL PRODUCTS PRICE BASED ON TIME ALIGNMENT OF RNN
IPMA044	AN EFFICIENT EDGE DETECTION APPROACH TO PROVIDE BETTER EDGE CONNECTIVITY FOR IMAGE ANALYSIS
IPMA045	GENDER CLASSIFICATION USING SENTIMENT ANALYSIS AND DEEP LEARNING IN A HEALTH WEB FORUM
IPMA046	CNN BASED LEAF DISEASE IDENTIFICATION AND REMEDY RECOMMENDATION SYSTEM
IPMA047	IDENTIFICATION OF PLANT DISEASE USING IMAGE PROCESSING TECHNIQUE
IPMA048	EFFECTIVE HEART DISEASE PREDICTION USING HYBRID MACHINE LEARNING TECHNIQUES
IPMA049	COMPARISON OF MACHINE LEARNING METHODS FOR BREAST CANCER DIAGNOSIS
IPMA050	CLUSTERS OF FEATURES USING COMPLEMENTARY INFORMATION APPLIED TO GENDER CLASSIFICATION FROM FACE IMAGES
IPMA051	AIR LEARNING INTERPOLATION, PREDICTION, AND FEATURE ANALYSIS OF FINE-GRAINED AIR QUALITY
IPMA052	FACE RECOGNITION AND AGE ESTIMATION IMPLICATIONS OF CHANGES IN FACIAL FEATURES
IPMA053	A PREDICTIVE DATA FEATURE EXPLORATION-BASED AIR QUALITY PREDICTION APPROACH
IPMA054	EFFECTIVE HEART DISEASE PREDICTION USING HYBRID MACHINE LEARNING TECHNIQUES
IPMA055	DEVELOPMENT OF A FULLY CROSS-VALIDATED BAYESIAN NETWORK APPROACH FOR LOCAL CONTROL PREDICTION IN LUNG CANCER
IPMA056	MACHINE LEARNING ANALYSIS OF SPEECH DETECTS ANXIETY AND DEPRESSION IN EARLY CHILDHOOD

	PYTHON – ML, AI, NN, IP, DL BASED PROJECTS USING HARDWARE TITLES
IPMH001	CROP PREDICTION AND EFFICIENT USE OF FERTILIZERS USING MACHINE LEARNING
IPMH002	ML USING SENSORS FOR AIR BREATHING PROPULSION OF TURBOJET ENGINE
IPMH003	ML USING SENSORS FOR STRESS PREDICTION IN WORKING EMPLOYEES
IPMH004	REAL TIME FACE MASK DETECTOR FOR COVID-19 SAFE SOCIAL DISTANCING
IPMH005	ARTIFICIAL INTELLIGENCE BASED MATERIAL SORTING FOR INDUSTRIAL PRODUCTION
IPMH006	1_PYEM_TERRORBOT – CASCADE CLASSIFIER TO DETECT TERRORIST AND SOLDIERS
IPMH007	2_PYEM_HUMAN STRESS ANALYSIS USING SENSORS AND MACHINE LEARNING TECHNIQUES
IPMH008	3_PYEM_FEATURE EXTRACTION BASED AIRPORT BAGGAGE CONVEYOR ALERT SYSTEM
IPMH009	4_PYEM_AUTOMATIC CONTROL OF DRIVER FATIGUE AND DROWSINESS LANDMARK PREDICTOR
IPMH010	5_PY_ARTIFICAL INTELLIGENCE BASED MATERIAL SORTING FOR INDUSTRIAL PRODUCTION
IPMH011	6_PY_CNN BASED LEAF DISEASE IDENTIFICATION AND REMEDY RECOMMENDATION SYSTEM
IPMH012	7_PYEM_FEATURE EXTRACTOR ANALYSIS FOR TRAFFIC CLEARANCE IN EMERGENCY FOR AMBULANCE AND FIRE ENGINES

IPMH013	8_PYEM_DEVELOPMENT OF FOOD TRACKING SYSTEM USING MACHINE LEARNING
IPMH014	9_PYEM_TRAINABLE AUTOMATIC ROBOT FOR AGRICULTURE PLANT LEAF WEEDING
IPMH015	10_PYEM_MACHINE LEARNING APPROACH FOR AIR QUALITY PREDICTION AND ANALYSIS
IPMH016	11_PYEM_ML ANALYSIS OF EMOTION DETECTS, ANXIETY AND DEPRESSION IN ADULT
IPMH017	12_PYEM_MACHINE LEARNING APPLIED TO ELECTRIFIED VEHICLE BATTERY SOC AND SOH ESTIMATION
IPMH018	13_PYEM_REAL-TIME EYE TRACKING FOR PASSWORD - GAZE BASED PIN AUTHENTICATION
IPMH019	14_PY_MACHINE LEARNING BASED BRAIN TUMOR ANALYSIS USING CNN WITH SMS NOTIFICATION
IPMH020	15_PYEM_MOTORCYCLE HELMET WEAR ANALYSIS USING SIFT FEATURE EXTRACTOR
IPMH021	16_PYEM_MACHINE LEARNING BASED FINGER GESTURE RECOGNITION FROM HOSPITAL ASSISTANT
IPMH022	17_PYEM_HUMAN ACTIVITY ANALYSIS USING SENSORS AND MACHINE LEARNING TECHNIQUES
IPMH023	18_PYEM_CROP PREDICTION AND EFFICIENT USE OF FERTILIZERS USING MACHINE LEARNING
IPMH024	19_PYEM_COVID-19 FACE MASK DETECTION WITH TEMPERATURE AND AUTO SANITIZER
IPMH025	19_PYEM_REAL TIME FACE MASK DETECTOR FOR COVID-19 SAFE SOCIAL DISTANCING
IPMH026	21_PYEM_ML APPROACH FOR AIR QUALITY PREDICTION AND ANALYSIS
IPMH027	26_PYEM_MONITORING SOCIAL DISTANCING FOR COVID-19 USING OPENCV AND AUTO SANITIZATION
IPMH028	FACE RECOGNITION AND AGE ESTIMATION IMPLICATIONS OF CHANGES IN FACIAL FEATURES
IPMH029	CVUCAMS: COMPUTER VISION BASED UNOBTRUSIVE CLASSROOM ATTENDANCE MANAGEMENT SYSTEM
IPMH030	IP-SUPER-PIXEL BASED FINGER EARTH MOVER'S DISTANCE FOR HAND GESTURE RECOGNITION
IPMH031	ACCELEROMETER-BASED HUMAN FALL DETECTION USING CNN
IPMH032	INDUSTRIAL MACHINE SHOP FLOOR OPERATOR EYE CLOSURE AND YAWNING ANALYSIS AND CONTROL USING LANDMARK PREDICTOR
IPMH033	SLEEPY BEHIND STUDIES - STUDENT DROWSINESS CONTROL USING LANDMARK PREDICTOR
IPMH034	STUDENT EYES CLOSURE AND YAWNING DETECTION FOR DROWSINESS ANALYSIS USING LANDMARK PREDICTOR
IPMH035	EMOPLAYER - FEATURE EXTRACTOR APPROACH FOR EMOTION BASED MUSIC PLAYER
IPMH036	MODIFIED CONVOLUTIONAL NEURAL NETWORK ARCHITECTURE ANALYSIS FOR FACIAL EMOTION RECOGNITION
IPMH037	ELDERLY ASSISTANT BASED ON FACE EMOTION AND POSTURE ANALYSIS
IPMH038	FACE FEATURE EXTRACTOR FOR EMOTION ANALYSIS AND BEHAVIOR ANALYSIS OF A PRISONER
IPMH039	SOIL CLASSIFICATION USING MACHINE LEARNING METHODS AND CROP SUGGESTION BASED ON SOIL SERIES
IPMH040	CLUSTERS OF FEATURES USING COMPLEMENTARY INFORMATION APPLIED TO GENDER CLASSIFICATION
IPMH041	FINGERPRINT IMAGE IDENTIFICATION FOR CRIME DETECTION
IPMH042	A NOVEL CASCADE CLASSIFIER OF VEHICLE UNLOCKING SYSTEM BASED ON FACE RECOGNITION
IPMH043	DEEP LEARNING-BASED HELMET WEAR ANALYSIS OF A MOTORCYCLE RIDER FOR INTELLIGENT SURVEILLANCE
IPMH044	RESTRICTED ZONE SIFT FEATURE EXTRACTOR FOR ATM SECURITY, HELMET DETECTION
IPMH045	ACCELEROMETER-BASED HUMAN FALL DETECTION USING CONVOLUTIONAL NEURAL NETWORKS
IPMH046	A NOVEL CASCADE CLASSIFIER OF VEHICLE UNLOCKING SYSTEM BASED ON FACE RECOGNITION

LIST OF LATEST MACHINE LEARNING PROJECTS:

ML	IEEE PROJECT TITLES ON MACHINE LEARNING
IEML001	DETECTION & PREDICTION OF PESTS/DISEASES USING MACHINE LEARNING
IEML002	STUDENT ATTENTIVE ANALYSIS USING COMPUTER VISION APPROACHES AND DEEP LEARNING.
IEML003	COMPUTER VISION BASED FOOD RECOGNITION WITH NUTRITION ANALYSIS
IEML004	A COMPARATIVE ANALYSIS OF CREDIT CARD FRAUD DETECTION USING MACHINE LEARNING TECHNIQUES
IEMLOOS	ACCIDENT SEVERITY DETECTION AND PREDICTION USING MACHINE LEARNING TECHNIQUES
IEML006	AN ANALYSIS OF CONSUMER BEHAVIOR ON BLACK FRIDAY
IEML007	AUTOMATIC NUMBER PLATE RECOGNITION USING CNN
IEML008	BIRD SPECIES IDENTIFICATION USING DEEP LEARNING
IEML009	DEEP CNN FOR PLANT DISEASE CLASSIFICATION
IEML010	FACE ANTI-SPOOFING, FACE PRESENTATION ATTACK DETECTION USING DEEP LEARNING
IEML011	HANDWRITTEN TEXT RECOGNITION USING ML
IEML012	IMAGE DEBLURRING AND SUPER-RESOLUTION USING CNN
IEML013	JOB SATISFACTION AND EMPLOYEE TURNOVER IN ORGANIZATIONS USING MACHINE LEARNING TECHNIQUES
IEML014	MACHINE LEARNING METHODS FOR MALWARE DETECTION AND CLASSIFICATION
IEML015	MUSIC GENRE CLASSIFICATION USING DEEP LEARNING
IEML016	PARKINSON'S DISEASE DETECTION FROM DRAWING MOVEMENTS USING CONVOLUTIONAL NEURAL NETWORKS
IEML017	PHISHING-WEBSITE-DETECTION
IEML018	RAINFALL PREDICTION USING MACHINE LEARNING
IEML019	REAL-TIME VEHICLE MAKE AND MODEL RECOGNITION USING CNN
IEML020	VIDEO CLASSIFICATION USING DEEP CNN
IEML021	VOICE BASED GENDER CLASSIFICATION USING MACHINE LEARNING ALGORITHM
IEML022	MACHINE LEARNING BASED AUTOMATED FACE RECOGNITION AND PERSONALITY CLASSIFICATIONS
IEML023	LEAF DISEASE DETECTION AND RECOGNISATION USING MACHINE LEARNING
IEML024	CROP YIELD PREDICTION BASED ON INDIAN AGRICULTURE USING MACHINE LEARNING
IEML025	FACIAL EMOTION RECOGNITION USING CONVOLUTION NEURAL NETWORK
IEML026	RISK PREDICTION OF CHRONIC KIDNEY DISEASE USING MACHINE LEARNING ALGORITHMS
IEML027	A MACHINE LEARNING APPROCH FOR AUTOMATION OF RESUME RECOMMENDATION SYSTEM
IEML028	HEART DISEASE PREDICTION USING MACHINE LEARNING
IEML029	COVID-19 MACHINE LEARNING APPROCHES FOR DIAGNOSIS AND TREATMENT
IEML030	AN APPRAISAL ON SPEECH AND EMOTION RECOGNITION TECHNOLOGIES BASED ON MACHINE LEARNING
IEML031	A MACHINE LEARNING BASED APPROACH FOR DETECTION OF ALZHEIMERS DISEASE USING ANALYSIS OF HIPPOCAMPUS REGION FROM MRI SCAN
IEML032	ANALYSIS OF WOMEN SAFETY IN INDIAN CITIES USING MACHINE LEARNING ON TWEETS
IEML033	DETECTION OF PHISHING WEBSITES BY SING MACHINE LEARNING BASED ON URL ANALYSIS
IEML034	APPLICABILITY OF MACHINE LEARNING IN SPAM AND PHISHING EMAIL FLTERING: REVIEW AND APPROACHES
IEML035	HOUSE PRICE PREDICTION USING MACHINE LEARNING
IEML036	IDENTIFYING BENIFICAL SESSION IN AN E-LEARNING SYSTEM USING MACHINE LEARNING TECHNIQUES
IEML037	CRIME PREDICTION AND ANALYSIS USING MACHINE LEARNING

LIST OF LATEST ARTIFICIAL INTELLIGENCE PROJECTS:

AI	IEEE PROJECT TITLES ON ARTIFICIAL INTELLIGENCE
IEAI001	A RECURRENT UNIT APPROACH TO BITCOIN MARKET PRICE PREDICTION
IEAI002	LEAF RECOGNITION BASED ON ELLIPTICAL HALF GABOR AND MAXIMUM GAP LOCAL LINE DIRECTION PATTERN
IEAI003	A SECURE AI-DRIVEN ARCHITECTURE FOR AUTOMATED INSURANCE SYSTEMS: FRAUD DETECTION AND RISK
IEAI004	MEASUREMENT
IEAI005	WEAKLY SUPERVISED LEARNING FOR RAINDROP REMOVAL ON A SINGLE IMAGE
IEAI006	IDENTIFYING BENEFICIAL SESSIONS IN AN E-LEARNING SYSTEM USING MACHINE LEARNING TECHNIQUES
IEAI007	EARTHQUAKE PREDICTION BASED ON SPATIO-TEMPORAL DATA MINING:AN LSTM NETWROK APPROACH
IEAI008	DETECTION OF DISEASE IN COTTON LEAF USING ARTIFICAL NEURAL NETWORK

LIST OF LATEST JAVA PROJECTS

JAVA	IEEE PROJECT TITLES ON JAVA
MLPROJECT1	ASCERTAINING THE FLUCTUATION OF RICE PRICE IN BANGLADESH USING MACHINE LEARNING APPROACH
MLPROJECT2	RECOMMENDING RESTAURANTS: A COLLABORATIVE FILTERING APPROACH
MLPROJECT3	MACHINE LEARNING FOR OLDER JOBSEEKER AND EMPLOYMENT MATCHING
MLPROJECT4	RENEWABLE ENERGY PREDICTION THROUGH MACHINE LEARNING ALGORITHMS https://ieeexplore.ieee.org/document/9272029
MLPROJECT5	PREDICTING PRODUCT REVIEW HELPFULNESS, A HYBRID METHOD https://ieeexplore.ieee.org/document/9272859
MLPROJECT6	PHISHING WEBSITE DETECTION BASED ON MACHINE LEARNING ALGORITHM
MLPROJECT7	BASED ON THE APPLICATION OF AI TECHNOLOGY IN RESUME ANALYSIS AND JOB RECOMMENDATION
MLPROJECT8	USING WORD2VEC RECOMMENDATION FOR IMPROVED PURCHASE PREDICTION
MLPROJECT9	RECOMMENDING RESTAURANTS: A COLLABORATIVE FILTERING APPROACH
MLPROJECT10	DETERMINING BUG PRIORITIZATION USING FEATURE REDUCTION AND CLUSTERING WITH CLASSIFICATION
MLPROJECT11	AUTOMATED MACHINE LEARNING FOR INFORMATION RETRIEVAL IN SCIENTIFIC ARTICLES
MLPROJECT12	MARRIAGE RECOMMENDATION ALGORITHM BASED ON KD-KNN-LR MODEL
MLPROJECT13	DUPLICATE BUG REPORT DETECTION AND CLASSIFICATION SYSTEM BASED ON DEEP LEARNING TECHNIQUE https://ieeexplore.ieee.org/document/9235309
MLPROJECT14	MACHINE LEARNING BASED EFFICIENT RECOMMENDATION SYSTEM FOR BOOK SELECTION USING USER BASED COLLABORATIVE FILTERING ALGORITHM
MLPROJECT15	SOFTWARE DEFECT CATEGORIZATION BASED ON MAINTENANCE EFFORT AND CHANGE IMPACT USING MULTINOMIAL NAÏVE BAYES ALGORITHM https://ieeexplore.ieee.org/document/9198037

MLPROJECT16	SOFTWARE DEFECT PREDICTION USING MACHINE LEARNING TECHNIQUES https://ieeexplore.ieee.org/document/9142909
MLPROJECT17	MACHINE LEARNING BASED EFFICIENT RECOMMENDATION SYSTEM FOR BOOK SELECTION USING USER BASED COLLABORATIVE FILTERING ALGORITHM
MLPROJECT18	RISK PREDICTION OF CHRONIC KIDNEY DISEASE USING MACHINE LEARNING ALGORITHMS
MLPROJECT19	CHRONIC KIDNEY DISEASE PREDICTION USING MACHINE LEARNING METHODS
MLPROJECT20	PERFORMANCE ANALYSIS OF MACHINE LEARNING CLASSIFIER FOR PREDICTING CHRONIC KIDNEY DISEASE **https://ieeexplore.ieee.org/document/9154147**
MLPROJECT21	POVERTY LEVEL CHARACTERIZATION VIA FEATURE SELECTION AND MACHINE LEARNING
MLPROJECT22	ANALYSIS OF AGRICULTURAL FEATURES
MLPROJECT23	DETECTING MALICIOUS BEHAVIOR IN MICRO SERVICE BASED WEB APPLICATIONS
MLPROJECT24	EARLY DETECTION OF KIDNEY DISEASE USING ECG SIGNALS THROUGH MACHINE LEARNING BASED MODELING
MLPROJECT25	A DISTRIBUTED DEEP LEARNING SYSTEM FOR WEB ATTACK DETECTION ON EDGE DEVICES
MLPROJECT26	PREDICTING AND DEFINING B2B SALES SUCCESS WITH MACHINE LEARNING
MLPROJECT27	A HYBRID GRAPH-STRUCTURE-BASED WEBPAGE RECOMMENDATION ALGORITHM BASED ON WEIGHTED ASSOCIATION RULES
MLPROJECT28	CHARACTERIZING AND PREDICTING EARLY REVIEWERS FOR EFFECTIVE PRODUCT MARKETING ON E-COMMERCE WEBSITES
MLPROJECT29	ANALYZING PATTERNS OF LITERATURE-BASED PHENOTYPING DEFINITIONS FOR TEXT MINING APPLICATIONS
MLPROJECT30	PERSON—PERSONALIZED EXPERT RECOMMENDATION SYSTEM FOR OPTIMIZED NUTRITION
MLPROJECT31	A SUB WORD-BASED DEEP LEARNING APPROACH FOR SENTIMENT ANALYSIS OF POLITICAL TWEETS
MLPROJECT32	AUTOMATICALLY IDENTIFYING THEMES AND TRENDS IN SOFTWARE ENGINEERING RESEARCH
MLPROJECT33	STOCK TRANSACTION PREDICTION MODELING AND ANALYSIS BASED ON LSTM
MLPROJECT34	CORPORATE COMMUNICATION NETWORK AND STOCK PRICE MOVEMENTS: INSIGHTS FROM DATA MINING
MLPROJECT35	TRAFFIC ACCIDENT HOTSPOTS IDENTIFICATION BASED ON CLUSTERING ENSEMBLE MODEL
MLPROJECT36	CONNECTING SOCIAL MEDIA TO E-COMMERCE: COLD-START PRODUCT RECOMMENDATION USING MICROBLOGGING INFORMATION
MLPROJECT37	CROSS-PLATFORM IDENTIFICATION OF ANONYMOUS IDENTICAL USERS IN MULTIPLE SOCIAL MEDIA NETWORKS
MLPROJECT38	CYBERBULLYING DETECTION BASED ON SEMANTIC-ENHANCED MARGINALIZED DENOISING AUTO-ENCODER
MLPROJECT39	NETSPAM: A NETWORK-BASED SPAM DETECTION FRAMEWORK FOR REVIEWS IN ONLINE SOCIAL MEDIA
MLPROJECT40	A SHOULDER SURFING RESISTANT GRAPHICAL AUTHENTICATION SYSTEM
MLPROJECT41	IMPROVING AUTOMATED BUG TRIAGING WITH SPECIALIZED TOPIC MODEL
MLPROJECT42	SEARCH RANK FRAUD AND MALWARE DETECTION IN GOOGLE PLAY
MLPROJECT43	MITIGATING CROSS-SITE SCRIPTING ATTACKS WITH A CONTENT SECURITY POLICY
MLPROJECT44	SUPERMAN SECURITY USING PRE-EXISTING ROUTING FOR MOBILE AD HOC NETWORKS
MLPROJECT45	CAPTCHA AS GRAPHICAL PASSWORDS A NEW SECURITY PRIMITIVE BASED ON HARD AI PROBLEMS
MLPROJECT46	EMPLOYEE ATTENDANCE SYSTEM USING QR CODE
MLPROJECT47	APPLYING DATA MINING TECHNIQUES IN CYBER CRIMES
MLPROJECT48	PASSBYOP BRING YOUR OWN PICTURE FOR SECURING GRAPHICAL PASSWORDS
MLPROJECT49	THE SAFE MINER A FINE GRAINED ASPECT LEVEL APPROACH FOR RESOLVING THE SENTIMENT
MLPROJECT50	DETECTION OF FRAUDULENT SELLERS IN ONLINE MARKETPLACES

	CLOUD COMPUTING PROJECTS LIST
1	FAST PHRASE SEARCH FOR ENCRYPTED CLOUD STORAGE
2	AUDIT-FREE CLOUD STORAGE VIA DENIABLE ATTRIBUTE-BASED ENCRYPTION
3	SEPDP SECURE AND EFFICIENT PRIVACY PRESERVING PROVABLE DATA POSSESSION IN CLOUD STORAGE
4	SESPHR A METHODOLOGY FOR SECURE SHARING OF PERSONAL HEALTH RECORDS IN THE CLOUD
5	A SECURE ANTI-COLLUSION DATA SHARING SCHEME FOR DYNAMIC GROUPS IN THE CLOUD
6	SECRBAC SECURE DATA IN CLOUDS
7	SECURE DATA SHARING IN CLOUD COMPUTING USING REVOCABLE-STORAGE IDENTITY-BASED ENCRYPTION.
8	A CLOUD ENVIRONMENT FOR BACKUP AND DATA STORAGE
9	SECURE AUDITING AND DEDUPLICATING DATA IN CLOUD
10	TWO-FACTOR DATA SECURITY PROTECTION MECHANISM FOR CLOUD STORAGE SYSTEM
11	CLOUD-ASSISTED MOBILE-ACCESS OF HEALTH DATA WITH PRIVACY AND AUDIT ABILITY
12	TTSA AN EFFECTIVE SCHEDULING APPROACH FOR DELAY BOUNDED TASKS IN HYBRID CLOUDS
13	CLOUD COMPUTING SECURITY FROM SINGLE TO MULTI-CLOUDS.
14	TEES AN EFFICIENT SEARCH SCHEME OVER ENCRYPTED DATA ON MOBILE CLOUD
15	A HOP-BY-HOP ROUTING MECHANISM FOR GREEN INTERNET
16	DCSTORE: A DEDUPLICATION-BASED CLOUD-OF-CLOUDS STORAGE SERVICE
17	CUSTOMIZING MULTI-TENANT SAAS BY MICROSERVICES: A REFERENCE ARCHITECTURE
18	SOFTWARE VERSIONING WITH MICROSERVICES THROUGH THE API GATEWAY DESIGN PATTERN
19	DYNAMIC RESOURCE ALLOCATION USING VIRTUAL MACHINES FOR CLOUD COMPUTING ENVIRONMENT
20	A VERIFIABLE SEMANTIC SEARCHING SCHEME BY OPTIMAL MATCHING OVER ENCRYPTED DATA IN PUBLIC CLOUD
21	A NEW SERVICE MECHANISM FOR PROFIT OPTIMIZATIONS OF A CLOUD PROVIDER AND ITS USERS
22	PP-CSA: A PRIVACY-PRESERVING CLOUD STORAGE AUDITING SCHEME FOR DATA SHARING

LIST OF LATEST PROJECTS ON MACHINE LEARNING USING HARDWARE:

ML	MACHINE LEARNING USING HARDWARE BASED PROJECT
IMLH001	A DEEP LEARNING ALGORITHM FOR DETECTION OF POTASSIUM DEFICIENCY IN A RED GRAPEVINE AND SPRAYING ACTUATION USING RASPBERRY PI3
IMLH002	AI BASED PILOT SYSTEM FOR VISUALLY IMPAIRED PEOPLE
IMLH003	AIR QUALITY MONITORING AND PREDICTION USING MACHINE LEARNING
IMLH004	AN INTERNET OF THINGS BASED SMART WASTE MANAGEMENT SYSTEM USING LORA AND TENSOR FLOW DEEP LEARNING MODEL
IMLH005	ARTIFICAL INTELLIGENCE AND AUGMENTED REALITY DRIVEN HOME AUTOMATION
IMLH006	AUTOMATED CROWD MANAGEMENT IN BUS TRANSPORT SERVICE
IMLH007	AUTOMATED EVALUATION OF COVID-19 RISK FACTORS COUPLED WITH REAL-TIME,INDOOR,PERSONAL LOCALIZATION DATA FOR POTENTIAL DISEASE IDENTIFICATION,PREVENTION AND SMART QUARANTING
IMLH008	CLOUD BASED FACE AND SPPECH RECOGNITION FOR ACCESS CONTROL APPLICATIONS
IMLH009	DEVELOPMENT OF A HAND HELD DEVICE FOR AUTOMATIC LICENSE PLATE RECOGNITION
IMLH010	RASPBERRY PI BASED WEARABLE READER FOR VISUALLY IMPAIRED PEOPLE WITH HAPTIC FEEDBACK
IMLH011	READER AND OBJECT DETECTOR FOR BLIND
IMLH012	LOW-COST VISUALLY SERVOED TRACKED VEHICLE

| IMLH013 | DEVELOPMENT OF MULTI SECURE ACCESS-SMART SUITCASE SECURITY SYSTEM |
| IMLH014 | FIRE ALARM SYSTEM FOR SMART CITIES USING EDGE COMPUTING |

LIST OF LATEST PROJECTS ON ARTIFICIAL INTELLIGENCE USING HARDWARE:

AI	IEEE LATEST PROJECTS ON IOT WITH ARTIFICIAL INTELLIGENCE
IAI001	FABRICATION OF AGRIBOT WITH CROP PREDICTION USING MACHINE LEARNING
IAI002	DESIGNING OF AN AUTOMATED SYSTEM FOR IDENTIFICATION AND RECKONING OF LIVESTOCK
IAI003	MULTIAGENT ARCHITECTURE FOR BRIDGE CAPACITY MEASUREMENT SYSTEM USING WIRELESS SENSOR NETWORK AND WEIGHT IN MOTION
IAI004	ANALYSIS AND PREDICTION OF AIR QUALITY MONITORING SYSTEM USING MACHINE LEARNING
IAI005	INFANT CARE ASSISTANT USING MACHINE LEARNING, AUDIO PROCESSING , IMAGE PROCESSING AND IOT SENSOR NETWORK
IAI006	AN INTERNET OF THINGS (IOT) BASED SMART WASTE MANAGEMENT AND MONITORING SYSTEM
IAI007	A WIRELESS SENSOR NETWORK BASED LOW COST AND ENERGY EFFICIENT FRAME WORK FOR PRECISION AGRICULTURE
IAI008	IOT BASED TRAFFIC SIGN DETECTION AND VIOLATION CONTROL
IAI009	FABRICATION OF AGRIBOT WITH GREEN LEAF DISEASE DETECTION SYSTEM
IAI010	EFFICIENT CROP YIELD PREDICTION SYSTEM USING MACHINE LEARNING
IAI011	RTO SURVAILANCE SYSTEM WITH INTELLIGENT AMBULANCE DETECTION AND BLIND SPOT TRAFFIC LIGHT DETECTION
IAI012	AN INTERNET OF THINGS (IOT) BASED SMART CITY MANAGEMENT
IAI013	THE PROSPECTIVITY OF BIOSENSING IN ENVIRONMENTAL MONITORING FOR BIOSECURITY
IAI014	IDENTIFICATION AND RECKONING OF LIVESTOCK FOR CATTLE FARMING USING IOT
IAI015	AUTOMATED SURVEILLANCE ROBOT FOR HIGH ALTITUDE REGIONS
IAI016	IMAGE PROCESSING BASED POTHOLE DETECTING SYSTEM FOR DRIVING ENVIRONMENT
IAI017	HEART DISEASE PREDICTION USING IOT AND ML BASED HEALTH MONITORING SYSTEM
IAI018	MONITORING AND MAINTENANCE OF HIGHWAY BRIDGES USING WIRELESS SENSOR NETWORKS
IAI019	MYRIO BASED MOBILE ROBOT FOR RESCUE COMPETITIONS
IAI020	BIOMETRIC BASED SECURED REMOTE ELECTRONIC VOTING SYSTEM
IAI021	INTERNET FOR BANK LOCKER SECURITY SYSTEM
IAI022	24X7 SMART IOT BASED INTEGRATED HOME SECURITY SYSTEM

LIST OF LATEST DEEP LEARNING PROJECTS USING HARDWARE:

IDP001	AN INTERNET OF THINGS BASED SMART WASTE MANAGEMENT SYSTEM USING LORA AND TENSORFLOW DEEP LEARNING MODEL
IDP002	TENSORFLOW DEEP LEARNING MODEL AND IOT DRIVEN SMART CITY PROTOTYPE WITH LORA
IDP003	A NEW IOT GATEWAY FOR ARTIFICIAL INTELLIGENCE IN AGRICULTURE
IDP004	DRIVER INATTENTION MONITORING SYSTEM BASED ON THE ORIENTATION OF THE FACE USING CONVOLUTIONAL NEURAL NETWORK
IDP005	REVERSE
IDP006	DEEP LEARNING BASED ROBOT FOR AUTOMATICALLY PICKING UP GARBAGE
IDP007	AI BASED VOICE ASSISTANT SYSTEM FOR VISUALLY IMPAIRED PERSON

IDP008	REAL TIME FACE RECOGNITION USING CONVOLUTIONAL NEURAL NETWORK
IDP009	ARTIFICIAL INTELLIGENCE AND AUGMENTED REALITY DRIVEN HOME AUTOMATION
IDP010	CONVOLUTIONAL NEURAL NETWORK BASED WORKING MODEL OF SELF DRIVING CAR - A STUDY
IDP011	DEEP LEARNING BASED SMART GARBAGE CLASSIFIER FOR EFFECTIVE WASTE MANAGEMENT
IDP012	AI BASED PILOT SYSTEM
IDP013	CONVOLUTIONAL NEURAL NETWORK IOT BASED TRAFFIC SIGN DETECTION AND VIOLATION CONTROL

WSN	WIRELESS SENSOR NETWORKS
WSNPROJECT1	JOINT DATA COLLECTION AND FUSION USING MOBILE SINK IN HETEROGENEOUS WIRELESS SENSOR NETWORKS
WSNPROJECT2	ANT COLONY OPTIMIZATION BASED QUALITY OF SERVICE AWARE ENERGY BALANCING SECURE ROUTING ALGORITHM FOR WIRELESS SENSOR NETWORKS
WSNPROJECT3	A GA-BASED MULTI HOP ROUTING SCHEME USING K-MEANS CLUSTERING APPROACH FOR WIRELESS SENSOR NETWORKS
WSNPROJECT4	ENERGY EFFICIENT LEAST EDGE COMPUTATION LEACH IN WIRELESS SENSOR NETWORK
WSNPROJECT5	NETWORK OF LOW ENERGY ADAPTIVE CLUSTERING PROTOCOLS
WSNPROJECT6	AN ENERGY-EFFICIENT MOBILITY-BASED CLUSTER HEAD SELECTION FOR LIFETIME ENHANCEMENT OF WIRELESS SENSOR NETWORKS
WSNPROJECT7	CLOSENESS CENTRALITY BASED CLUSTER HEAD SELECTION ALGORITHM FOR LARGE SCALE WSNS
WSNPROJECT8	DEVELOPMENT OF ENERGY EFFICIENT MODIFIED LEACH PROTOCOL FOR IOT APPLICATIONS
WSNPROJECT9	A HYBRID ROUTING PROTOCOL FOR ROBUST WIRELESS SENSOR NETWORKS
WSNPROJECT10	ANT COLONY OPTIMIZATION BASED QUALITY OF SERVICE AWARE ENERGY BALANCING SECURE ROUTING ALGORITHM FOR WIRELESS SENSOR NETWORKS
WSNPROJECT11	CLUSTERING THE WIRELESS SENSOR NETWORKS:A META-HEURISTIC APPROACH
WSNPROJECT12	IMPLEMENTATION OF AN IMPROVED AODV ROUTING PROTOCOL FOR MARITIME AD-HOC NETWORKS
WSNPROJECT13	PERFORMANCE ANALYSIS OF AD HOC ON-DEMAND DISTANCE VECTOR ROUTING PROTOCOL FOR MANET
WSNPROJECT14	GIR: AN OPPORTUNISTIC NETWORK ROUTING ALGORITHM BASED ON GAME THEORY
WSNPROJECT15	A NOVEL BROADCAST NETWORK DESIGN FOR ROUTING IN MOBILE AD-HOC NETWORK
WSNPROJECT16	PERFORMANCE ANALYSIS OF ROUTING PROTOCOLS AODV,OLSR AND DSDV ON MANET
WSNPROJECT17	SIMULATION BASED PERFORMANCE ANALYSIS OF PROACTIVE, REACTIVE AND HYBRID ROUTING PROTOCOLS IN WIRELESS SENSOR NETWORK
WSNPROJECT18	LINK QUALITY-BASED ROUTING PROTOCOL FOR UNDERWATER ACOUSTIC SENSOR NETWORKS
WSNPROJECT19	COYOTE OPTIMIZATION BASED ON A FUZZY LOGIC ALGORITHM FOR ENERGY-EFFICIENCY IN WIRELESS SENSOR NETWORKS
WSNPROJECT20	ENERGY AWARE OPPORTUNISTIC ROUTING FOR ENERGY HARVESTING WIRELESS SENSOR NETWORKS
WSNPROJECT21	A METHOD TO IMPROVE THE SECURITY OF INFORMATION DIFFUSION IN COMPLEX NETWORKS—NODE TRUST-VALUE MANAGEMENT MECHANISM Download Link- https://ieeexplore.ieee.org/document/8834312
WSNPROJECT22	COOPERATIVE ROUTING FOR ENERGY EFFICIENT UNDERWATER WIRELESS SENSOR NETWORKS Download Link - https://ieeexplore.ieee.org/document/8836604/
WSNPROJECT23	AN ENERGY-EFFICIENT REGION SOURCE ROUTING PROTOCOL FOR LIFETIME MAXIMIZATION IN WSN Download Link- https://ieeexplore.ieee.org/document/8844730/
WSNPROJECT24	ON SECURE WIRELESS SENSOR NETWORKS WITH COOPERATIVE ENERGY HARVESTING RELAYING

	Download Link- https://ieeexplore.ieee.org/document/8840828/
WSNPROJECT25	FUZZY BASED ADAPTIVE CLUSTER HEAD SELECTION FOR WIRELESS SENSOR NETWORKS Download Link- https://ieeexplore.ieee.org/document/8844907/

LIST OF LATEST BLOCKCHAIN PROJECTS:

BC	IEEE PROJECT TITLES ON BLOCKCHAIN
IBC001	A BLOCKCHAIN ASSISTED VEHICULAR PSEUDONYM ISSUANCE AND MANAGEMENT SYSTEM FOR CONDITIONAL PRIVACY ENHANCEMENT
IBC002	A TRUNCATED SVD-BASED ARIMA MODEL FOR MULTIPLE QOS PREDICTION IN MOBILE EDGE COMPUTING
IBC003	BLOCKCHAIN AND AI-EMPOWERED SOCIAL DISTANCING SCHEME TO COMBAT COVID-19 SITUATIONS
IBC004	BLOCKCHAIN AND AUTONOMOUS VEHICLES: RECENT ADVANCES AND FUTURE DIRECTIONS
IBC005	BLOCKCHAIN FOR WASTE MANAGEMENT IN SMART CITIES: A SURVEY
IBC006	BOOSTING THE DECISION-MAKING IN SMART PORTS BY USING BLOCKCHAIN
IBC007	EFFICIENT CERTIFICATION OF ENDPOINT CONTROL ON BLOCKCHAIN
IBC008	FAKE MEDIA DETECTION BASED ON NATURAL LANGUAGE PROCESSING AND BLOCKCHAIN APPROACHES
IBC009	IMPACT OF SAVING ATTACKS ON BLOCKCHAIN CONSENSUS
IBC010	BLOCKCHAIN-BASED SELF-TELLYING VOTING SYSTEM WITH SOFTWARE UPDATES IN DECENTRALIZED

NETWORKING PROJECT LIST (NS2 / NS3)

	MANETS
1	THE METHOD OF DATA COLLECTION BASED ON MULTIPLE MOBILE NODES FOR WIRELESS SENSOR NETWORK
2	EXPLORING THE IMPACT OF NODE CORRELATION ON TRANSMISSION REUSE IN MANETS
3	EFFICIENT ROUTE DISCOVERY AND LINK FAILURE DETECTION MECHANISMS FOR SOURCE ROUTING PROTOCOL IN MOBILE AD-HOC NETWORKS
4	MULTIPATH ROUTING AND MPTCP-BASED DATA DELIVERY OVER MANETS
5	AN ADAPTIVE ON-DEMAND MULTIPATH ROUTING PROTOCOL WITH QOS SUPPORT FOR HIGH-SPEED MANET
6	A MULTI-PATH ROUTING PROTOCOL BASED ON LINK LIFETIME AND ENERGY CONSUMPTION PREDICTION FOR MOBILE EDGE COMPUTING
7	GRAPH KERNEL BASED CLUSTERING ALGORITHM IN MANETS
8	MITIGATION OF BLACK HOLE AND GRAY HOLE ATTACK USING SWARM INSPIRED ALGORITHM WITH ARTIFICIAL NEURAL NETWORK
9	DUAL-CHANNEL-BASED MOBILE AD HOC NETWORK ROUTING TECHNIQUE FOR INDOOR DISASTER ENVIRONMENT
10	ANALYSIS OF ROUTE STABILITY IN MOBILE MULTIHOP NETWORKS UNDER RANDOM WAYPOINT MOBILITY
11	A TIME INTERVAL BASED BLOCKCHAIN MODEL FOR DETECTION OF MALICIOUS NODES IN MANET USING NETWORK BLOCK MONITORING NODE
12	PERFORMANCE EVALUATION AND ANALYSIS OF PROACTIVE AND REACTIVE MANET PROTOCOLS AT VARIED SPEEDS
13	A NETWORK LIFETIME EXTENSION-AWARE COOPERATIVE MAC PROTOCOL FOR MANETS WITH OPTIMIZED POWER CONTROL
14	DESIGN AND IMPLEMENTATION OF AN EFFICIENT MULTIPATH AODV ROUTING ALGORITHM FOR MANETS
15	RESOURCE ALLOCATION FOR PERFORMANCE ENHANCEMENT IN MOBILE AD HOC NETWORKS

16	BP-AODV: BLACKHOLE PROTECTED AODV ROUTING PROTOCOL FOR MANETS BASED ON CHAOTIC MAP
17	PERFORMANCE ANALYSIS OF OLSR PROTOCOL FOR MANETS UNDER REALISTIC MOBILITY MODEL
18	CREDND: A NOVEL SECURE NEIGHBOR DISCOVERY ALGORITHM FOR WORMHOLE ATTACK

	FLYING ADHOC NETWORKS (FANETS) AND UNMANNED AERIAL VEHICLE (UAV)
1	AN EFFICIENT AND PROVABLY SECURE CERTIFICATE LESS KEY-ENCAPSULATED SIGNCRYPTION SCHEME FOR FLYING AD-HOC NETWORK
2	SMART IOT CONTROL-BASED NATURE INSPIRED ENERGY EFFICIENT ROUTING PROTOCOL FOR FLYING AD HOC NETWORK (FANET)
3	MOBILITY AND LOCATION-AWARE STABLE CLUSTERING SCHEME FOR UAV NETWORKS
4	FANET BASED EMERGENCY HEALTHCARE DATA DISSEMINATION
5	RENDEZVOUS: OPPORTUNISTIC DATA DELIVERY TO MOBILE USERS BY UAVS THROUGH TARGET TRAJECTORY PREDICTION
6	ENERGY-EFFICIENT UAV-TO-USER SCHEDULING TO MAXIMIZE THROUGHPUT IN WIRELESS NETWORKS
7	LAOD: LINK AWARE ON DEMAND ROUTING IN FLYING AD-HOC NETWORKS
8	AN OPTIMIZATION ROUTING PROTOCOL FOR FANETS
9	GEOLOCATION BASED ROUTING FOR FLYING ADHOC NETWORKS
10	TARCS: A TOPOLOGY CHANGE AWARE-BASED ROUTING PROTOCOL CHOOSING SCHEME OF FANETS
11	EVALUATION OF AODV AND DSDV ROUTING PROTOCOLS FOR A FANET: FURTHER RESULTS TOWARDS ROBOTIC VEHICLE NETWORKS
12	CONSIDERING AODV AND OLSR ROUTING PROTOCOLS TO TRAFFIC MONITORING SCENARIO IN FANET FORMED BY MINI-UAVS
13	FS-MAC: AN ADAPTIVE MAC PROTOCOL WITH FAULT-TOLERANT SYNCHRONOUS SWITCHING FOR FANETS
14	PERFORMANCE EVALUATION OF UAV-ASSISTED MMWAVE OPERATION IN MOBILITY-ENABLED URBAN DEPLOYMENTS
15	ENERGY-EFFICIENT DATA GATHERING FRAMEWORK-BASED CLUSTERING VIA MULTIPLE UAVS IN DEADLINE-BASED WSN APPLICATIONS
16	IOT ENABLED UAV: NETWORK ARCHITECTURE AND ROUTING ALGORITHM

	IOT
1	EMS: AN ENERGY MANAGEMENT SCHEME FOR GREEN IOT ENVIRONMENTS
2	TOWARDS BETTER ROUTING PROTOCOLS FOR IOT
3	MEMETIC ALGORITHM BASED DATA GATHERING SCHEME FOR IOT-ENABLED WIRELESS SENSOR NETWORKS
4	A TIMELY VANET MULTI-HOP ROUTING METHOD IN IOT
5	ENHANCED LEACH PROTOCOL FOR INCREASING A LIFETIME OF WSNS
6	A TWO-LEVEL CLUSTERING BASED ON POSITION, DATA CORRELATION AND RESIDUAL ENERGY IN WSN
7	MOBILITY-AWARE HIERARCHICAL CLUSTERING IN MOBILE WIRELESS SENSOR NETWORKS
8	SENSITIVITY ANALYSIS OF AN ATTACK-PATTERN DISCOVERY BASED TRUSTED ROUTING SCHEME FOR MOBILE AD-HOC NETWORKS IN INDUSTRIAL IOT
9	SECRET SHARING-BASED ENERGY-AWARE AND MULTI-HOP ROUTING PROTOCOL FOR IOT BASED WSNS
10	RESIDUAL ENERGY BASED CLUSTER HEAD SELECTION IN WSN FOR IOT APPLICATIONS
11	DESIGN AND ANALYSIS OF PROBING ROUTE TO DEFENSE SINK-HOLE ATTACKS FOR INTERNET OF THINGS SECURITY

	UNDER WATER SENSOR NETWORKS (UWSN)
1	ENERGY-EFFICIENT DEPTH BASED PROBABILISTIC ROUTING WITHIN 2-HOP NEIGHBORHOOD FOR UNDERWATER SENSOR NETWORKS
2	A MULTI-LAYER CLUSTER BASED ENERGY EFFICIENT ROUTING SCHEME FOR UWSNS
3	RELIABLE PATH SELECTION AND OPPORTUNISTIC ROUTING PROTOCOL FOR UNDERWATER WIRELESS SENSOR NETWORKS
4	AN UNDERWATER LAYERED PROTOCOL BASED ON COOPERATIVE COMMUNICATION FOR UNDERWATER SENSOR NETWORK
5	E2MR: ENERGY-EFFICIENT MULTIPATH ROUTING PROTOCOL FOR UNDERWATER WIRELESS SENSOR NETWORKS
6	AN ENERGY-CONSERVING COLLISION-FREE MAC PROTOCOL FOR UNDERWATER SENSOR NETWORKS
7	A COLLISION-FREE GRAPH COLORING MAC PROTOCOL FOR UNDERWATER SENSOR NETWORKS
8	DATA COLLECTION IN UNDERWATER SENSOR NETWORKS BASED ON MOBILE EDGE COMPUTING

	VEHICULAR ADHOC NETWORK (VANET'S)
1	EVALUATION DSDV, AODV AND OLSR ROUTING PROTOCOLS IN REAL LIVE BY USING SUMO WITH NS3 SIMULATION IN VANET
2	RSU-ASSISTED TRAFFIC-AWARE ROUTING BASED ON REINFORCEMENT LEARNING FOR URBAN VANETS
3	EFFICIENT PRIVACY-PRESERVING SCHEME FOR LOCATION BASED SERVICES IN VANET SYSTEM
4	ENHANCEMENTS TO IEEE 802.15.4 MAC PROTOCOL TO SUPPORT VEHICLE-TO-ROADSIDE COMMUNICATIONS IN VANETS
5	A SECURE AND EFFICIENT GROUP KEY AGREEMENT SCHEME FOR VANET
6	SPEED-ADAPTIVE MULTI-COPY ROUTING FOR VEHICULAR DELAY TOLERANT NETWORKS
7	VEHICLE COLLISION AVOIDANCE IN A VANET ENVIRONMENT BY DATA COMMUNICATION
8	PERFORMANCE STUDY OF AODV PROTOCOL WITH ANT COLONY ALGORITHM IN VANETS

	WSN AND CLUSTERING
1	THE METHOD OF DATA COLLECTION BASED ON MULTIPLE MOBILE NODES FOR WIRELESS SENSOR NETWORK
2	IDENTIFICATION FAILURE DATA FOR CLUSTER HEADS AGGREGATION IN WSN BASED ON IMPROVING CLASSIFICATION OF SVM
3	LIFETIME MAXIMIZATION OF SENSOR NETWORKS THROUGH OPTIMAL DATA COLLECTION SCHEDULING OF MOBILE SINK
4	I-SEP AN IMPROVED ROUTING PROTOCOL FOR HETEROGENEOUS WSN FOR IOT BASED ENVIRONMENT MONITORING
5	MOBILE ROUTING ALGORITHM WITH DYNAMIC CLUSTERING FOR ENERGY LARGE-SCALE WIRELESS SENSOR NETWORKS
6	OPTIMAL CLUSTER HEAD SELECTION USING MODIFIED RIDER ASSISTED CLUSTERING FOR IOT
7	RCER: RELIABLE CLUSTER-BASED ENERGY-AWARE ROUTING PROTOCOL FOR HETEROGENEOUS WIRELESS SENSOR NETWORKS
8	AN ENERGY-EFFICIENT CLUSTERING ALGORITHM COMBINED GAME THEORY AND DUAL-CLUSTER-HEAD MECHANISM FOR WSNS
9	CER-CH: COMBINING ELECTION AND ROUTING AMONGST CLUSTER HEADS IN HETEROGENEOUS WSNS
10	ECH: AN ENHANCED CLUSTERING HIERARCHY APPROACH TO MAXIMIZE LIFETIME OF WIRELESS SENSOR NETWORKS

11	A HETEROGENEOUS NODES-BASED LOW ENERGY ADAPTIVE CLUSTERING HIERARCHY IN COGNITIVE RADIO SENSOR NETWORK
12	A CONGESTION-AWARE CLUSTERING AND ROUTING (CCR) PROTOCOL FOR MITIGATING CONGESTION IN WSN
13	QOS AWARE ROUTING PROTOCOL THROUGH CROSS-LAYER APPROACH IN ASYNCHRONOUS DUTY-CYCLED WSNS
14	AN ENERGY-EFFICIENT CROSS-LAYER-SENSING CLUSTERING METHOD BASED ON INTELLIGENT FOG COMPUTING IN WSNS
15	AN ENERGY-EFFICIENT REGION SOURCE ROUTING PROTOCOL FOR LIFETIME MAXIMIZATION IN WSN
16	EESRA: ENERGY EFFICIENT SCALABLE ROUTING ALGORITHM FOR WIRELESS SENSOR NETWORKS

	WSN ATTACKS
1	MITIGATION OF BLACK HOLE AND GRAY HOLE ATTACK USING SWARM INSPIRED ALGORITHM WITH ARTIFICIAL NEURAL NETWORK
2	A TIME INTERVAL BASED BLOCKCHAIN MODEL FOR DETECTION OF MALICIOUS NODES IN MANET USING NETWORK BLOCK MONITORING NODE
3	NETWORK-BASED ANOMALY INTRUSION DETECTION SYSTEM IN MANETS
4	AN ADAPTIVE APPROACH FOR DETECTING BLACKHOLE USING TCP ANALYSIS IN MANETS
5	SECURING BLACKHOLE ATTACKS IN MANETS USING MODIFIED SEQUENCE NUMBER IN AODV ROUTING PROTOCOL
6	SENSITIVITY ANALYSIS OF AN ATTACK-PATTERN DISCOVERY BASED TRUSTED ROUTING SCHEME FOR MOBILE AD-HOC NETWORKS IN INDUSTRIAL IOT

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