

PROJECT TITLES 2018-2019

(M)-(Embedded)

1.	Audio Multicast By Visible Light Communication For Location Information For The Visually Impaired
2.	Secret Key Generation Protocol for Optical OFDM Systems in Indoor VLC Networks
3.	Semi-transparent solar cells indifferent to ambient lighting for LIFI Application
4.	High Speed Indoor Navigation System based on Visible Light and Mobile Phone
5.	A new VLC System for Localization in Underground Mining Tunnels
6.	Two-way visible light communication and illumination with LEDs
7.	High Accuracy VLC Indoor Positioning System With Differential Detection
8.	Digital data transmission via Visible Light Communication (VLC) Application to Vehicle to Vehicle Communication
9.	Performance Evaluation of Underwater Wireless Optical Communications Links in the Presence of Different Air Bubble Populations
10.	Pixelated VLC-backscattering for Self-charging Indoor IOT Devices
11.	Automatic Billing System using Li-Fi Module
12.	Two-stage Access Point Selection for Hybrid VLC and RF Networks
13.	An Approach for Self-Powered Cardiovascular Monitoring Based on Electromagnetic Induction oxygen delivery system for soldiers at extreme altitudes
14.	Programmable multi-source embedded control of Large-Scale Integrated micro fluidic circuits with an application for real time flow rate modulation
15.	Hardware Design and Software Development for a White LED-Based Experimental Spectrophotometer Managed by a PIC-Based Control System
16.	Pneumatic actuator with embedded MR-brake for haptics
17.	A novel temperature compensation method for proportional solenoid
18.	A PFC Modified Landsman Converter-Based PWM-Dimmable RGB HB-LED Driver for Large Area Projection Applications
19.	Optimal Antenna Location on Mobile Phones Chassis Based on the Numerical Analysis of Characteristic Modes
20.	Wireless Sensor Brain (WSB)
21.	Multiple motion control system of robotic car based on IoT to produce cloud service
22.	Mobile geo information system development
23.	A Miniature Low-Power Multi-Biomarker-Based Brain Sensor for Closed-Loop DBS
24.	Assessments on the ENERED photovoltaic power plant electricity production
25.	Accuracy of Ranging Based on DMT Visible Light Communication for Indoor Positioning
26.	Secure and Intelligent Road Traffic Management System Based on RFID Technology

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27.	Smart Ration Card Using RFID, Biometrics and SMS Gateway
28.	Intelligent Traffic Signal Control System For Ambulance Using RFID And CLOUD
29.	Mobile Device for Electronic Eye Gesture Recognition
30.	Eye Movement Analysis in the Context of External Stimuli Effect
31.	A driving assistant safety method based on human eye fatigue dection
32.	Low-Cost Wireless Intelligent Two Hand Gesture Recognition System
33.	Feedback control of soft robot actuators via commercial flex bend sensors
34.	System Design of a Knee Motion Sensor to Prevent ACL Injuries
35.	Flex sensor for stroke patients identify the specific behavior with different bending situations
36.	A Hybrid Tele-manipulation System using a Sensorized 3D-printed Soft Robotic Gripper and a Soft Fabric-Based Haptic Glove
37.	Methodology and Comparison of Devices for Recognition of Sign Language Characters
38.	Low cost tangible glove for translating sign gestures to speech and text in Hindi language
39.	A Wireless Headstage for Combined Optogenetics and Multichannel Electrophysiological Recording
40.	MEMS-Based Flexible Force Sensor for Tri-Axial Catheter Contact Force Measurement
41.	Detecting disordered breathing and limb movement using in-bed force sensors
42.	Elder Tracking and Fall Detection System using Smart Tiles
43.	Wireless Health Monitoring using Passive WiFi Sensing
44.	Design of Bus Tracking and Fuel Monitoring System
45.	A Survey Of Smart Environment Conservation And Protection For Waste Management
46.	An Automatic Driver Drowsiness Alert System By Using GSM
47.	Dynamic Solid Waste Collection and Management System Based On Sensors, Elevator and GSM
48.	System for Remote Control and Monitoring Using Optical Fiber and GSM Communication for Loadbreak Cutouts
49.	Fast and Robust Identification of GSM and LTE Signals
50.	An Advance System for Emergency Vehicles Based on M2M communication
51.	Design and Implementation of Remotely Located Energy Meter Monitoring with Load Control and Mobile Billing System through GSM
52.	Design and Implementation of Real Time Transformer Health Monitoring System Using GSM Technology
53.	A Smart Watch For Women Security
54.	Cuff-Less Blood Pressure Estimation Algorithms for Continuous Health-Care Monitoring
55.	Heartbeat Signal Detection From Analysis of Airflow in Rat Airway Under Different Depths of Anaesthesia Conditions
56.	Resource-Aware Mobile-Based Health Monitoring
57.	Real-time EMG-based Human Machine Interface Using Dynamic Hand Gestures
58.	Robotic System for Automation of Water Quality Monitoring and Feeding in Aquaculture Shadehouse

59.	The Role of the Thumb: Study of Finger Motion in Grasping and Reachability Space
60.	Human and Robotic Hands
61.	A Hierarchical Smart Street Lighting System with Brute-Force Energy Optimization
62.	Integrated power line and visible light communication system compatible with multi-service transmission
63.	Optical micro-electro-mechanical-system pressure sensor based on light intensity modulation
64.	Enhancing Heart-Beat-Based Security for mHealth Applications
65.	Age dependence of arterial pulse wave parameters extracted from dynamic blood pressure and blood volume pulse waves
66.	Nonintrusive Texting-while-Driving Detection using Smartphone's
67.	An Intelligent Driver Alerting System for real time range inductor embedded in electrical vehicle
68.	Sensor Fusion-Based Low-Cost Vehicle Localization System for Complex Urban Environments
69.	Known-Artist Live Song Identification Using Audio Hashprints
70.	Wearable Antenna Integrated into Military Berets for Indoor/Outdoor Positioning System
71.	A Reliable Fusion Positioning Strategy for Land Vehicles in GPS-Denied Environments Based on Low-Cost Sensors
72.	An USV-based Laser Fluor sensor for Oil Spill Detection
73.	Camera Click Energy Meter Reading System
74.	Optical Based Sensor Prototype for Continuous Monitoring of the Blood Pressure
75.	Suppression of Intensive Care Unit False Alarms based on the Arterial Blood Pressure Signal
76.	Noise Pollution Measurement System Using Wireless Sensor Network and BAN Sensors
77.	Age dependence of arterial pulse wave parameters extracted from dynamic blood pressure and blood volume pulse waves
78.	Wave Propagation with Human Body Communications in BANs
79.	Wireless Intelligent Human-Computer Interaction Based on Hand Gestures Recognition system
80.	A New human identification sensor Using Ultrasound Array and BLE Technology for in home environment.
81.	Estimation of Energy consumption for Smart Home System based on BLE
82.	Investigation of a new technology of controlling electrical apparatus via a smart phone
83.	IOT-enabled Channel Selection Approach for Wireless body area network
84.	Analysis of Neighbor identification Process in Bluetooth Low Energy Networks
85.	A Wireless Health Monitoring System Using Mobile Phone Accessories
86.	Two way communication using Bluetooth Low Energy for Backscatter Communication System.
87.	Implementation of continuous Connection System for Bluetooth Low Energy Devices in Remote Locations.
88.	A Spectral-Efficient Transmission Scheme for Dimmable Visible Light Communication Systems
89.	Multi-Attribute Vertical Handover Decision-Making Algorithm in a Hybrid VLC-Femto System

90.	High Speed Integrated Digital to Light Converter for Short Range Visible Light Communication
91.	Audio Multicast By Visible Light Communication For Location Information For The Visually Impaired
92.	Secret Key Generation Protocol for Optical OFDM Systems in Indoor VLC Networks
93.	Semi-transparent solar cells indifferent to ambient lighting for LIFI Application
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98.	Digital data transmission via Visible Light Communication (VLC) Application to Vehicle to Vehicle Communication
99.	Performance Evaluation of Underwater Wireless Optical Communications Links in the Presence of Different Air Bubble Populations
100.	Pixelated VLC-backscattering for Self-charging Indoor IOT Devices
101.	Automatic Billing System using Li-Fi Module
102.	Two-stage Access Point Selection for Hybrid VLC and RF Networks
103.	Joint Optimisation of Load Balancing and Handover For Hybrid LiFi and WiFi Networks
104.	Joint Dimming and Data Transmission Optimization for Multi-user Visible Light Communication System
105.	Joint Measurement and Trajectory Recovery in Visible Light Communication
106.	Accuracy of Ranging Based on DMT Visible Light Communication for Indoor Positioning
107.	Secure and Intelligent Road Traffic Management System Based on RFID Technology
108.	Smart Ration Card Using RFID, Biometrics and SMS Gateway
109.	Intelligent Traffic Signal Control System For Ambulance Using RFID And CLOUD
110.	Traffic Lights System Based on RFID for Autonomous Driving Vehicle
111.	Sensor Integrated RFID Tags Driven By Energy Scavenger for Sustainable Wearable Electronics Applications
112.	Advance Automatic Toll Collection & Vehicle Detection During Collision using RFID
113.	Real-Time Locating Systems Using Active RFID for Internet of Things
114.	Secure and Intelligent Road Traffic Management System Based on RFID Technology
115.	RFID Based Security Platform For Internet Of Things In Health Care Environment
116.	Point-to-Point Safe Navigation of a Mobile Robot using Stigmergy and RFID Technology
117.	Body and Fall Detection System with Heart Rate Monitoring
118.	Data Monitoring System for Solar Panels with Bluetooth
119.	The Intelligent Parking Lot Based on ZIGBEE Technology and SVM
120.	Remote Monitoring System Design for Photovoltaic Panels
121.	Design And Implementation of an Optimized Communication Method For Remote Meter Reading using

	Zigbee
122.	Implementation of Wireless Sensor Network for Real Time Overhead Tank Water Quality Monitoring
123.	A Cooperative Channel Control Method of ZigBee and WiFi for IoT Services
124.	Process Mining to Discover Shoppers' Pathways at a Fashion Retail Store Using a WiFi-Base Indoor Positioning System
125.	Wireless Health Monitoring using Passive WiFi Sensing
126.	IoT Enabled Proactive Indoor Air Quality Monitoring System for Sustainable Health
127.	Management
128.	Optical Based Sensor Prototype for Continuous Monitoring of the Blood Pressure
129.	Noise Pollution Measurement System Using Wireless Sensor Network and BAN Sensors
130.	An Approach for Self-Powered Cardiovascular Monitoring Based on Electromagnetic Induction
131.	Wave Propagation with Human Body Communications in BANS
132.	Age dependence of arterial pulse wave parameter extracted from dynamic blood pressure and blood volume pulse waves
133.	Suppression of Intensive Care Unit False Alarms based on the Arterial Blood Pressure Signal
134.	SERS-Active Smart Hydrogels With Modular Microdomains: From pH to Glucose Sensing
135.	Design of Bus Tracking and Fuel Monitoring System
136.	A Survey Of Smart Environment Conservation And Protection For Waste Management
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144.	A Smart Watch For Women Security
145.	Energy Efficient and Low Cost Air Quality Sensor for Smart Buildings
146.	Design and Implementation of Remotely Located Energy Meter Monitoring with Load Control and Mobile Billing System through GSM
147.	Dynamic Solid Waste Collection and Management System Based On Sensors, Elevator and GSM
148.	Design of a Real-Time ECG Filter for Portable Mobile Medical Systems
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157.	Integrated power line and visible light communication system compatible with multi-service transmission
158.	Optical micro-electro-mechanical-system pressure sensor based on light intensity modulation
159.	A Microphone based Vibration Sensor for UGS Applications
160.	Recent Advances in MEMS Sensor Technology Biomedical Applications
161.	Integrated Micro-Electro-Mechanical Sensor Development for Inertial Applications
162.	Distributed Interacting Multiple Filters for Fault Diagnosis of Navigation Sensors in a Robotic System
163.	Mobile Device for Electronic Eye Gesture Recognition
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177.	Real-time monitoring via patch-type piezoelectric force sensors for Internet of Things based logistics
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193.	Wave Propagation with HBC in a Human Arm Model
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206.	Assessments on the ENERED photovoltaic power plant electricity production
207.	Effect of Frost Formation on Operation of GaN Ultraviolet Photo detectors at Low Temperatures
208.	Quantum Efficiency Improvement of SOI p-i-n Lateral Diodes Operating as UV Detectors at High Temperatures
209.	Gas Sensing of Nitrogen Oxide Utilizing Spectrally Pure Deep UV LEDs



PROJECT TITLES 2018-2019

LEAP SENSOR

1. Leap/Android Phone Controlled Voice, Gesture And Touch Screen Operated Smart Wheelchair
2. A Leap Password Based Verification System
3. Hand Postures For Evaluating Trigger Finger Using Leap Motion Controller
4. Robotic Arm Control Using LEAP
5. Home Appliance On/Off Control Using LEAP Sensor

RASPBERRY PI

1. ATM Theft Safety Security System
2. Smart Museum security and guiding system
3. An Embedded Gabor-based Palm Vein Recognition System.
4. Design of an IOT based autonomous vehicle with the aid of computer vision
5. Intelligent Safety Information Gathering System Using a Smart Black box.
6. Wearable Mobile-Based Emotional Response-Monitoring System for Drivers.
7. IOT based vehicle parking manager.
8. IOT-Driven Automated Object Detection Algorithm for Urban Surveillance Systems in Smart Cities

AUGMENTED REALITY

1. AR Based interacting with e-devices with safety and ease.
2. Light weight high efficient and purely web based augmented reality engine.
3. Augmented switch to control liquid flow in handling hazardous liquids in industry

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5.	Highly interactive sensor augmented nodes for multiple industry application.
6.	Unmanned Navigation via AR controlled robot car.
VIRTUAL REALITY	
1.	VR Experience for military training
LEAP MOTION	
1.	Hand gesture controlled vehicle
2.	Hand gesture controlled robotic arm
3.	Sign language understanding system using leap motion
4.	Leap motion based mouse control system
BIOMEDICAL	
1.	Car controlling through human brain wirelessly
2.	Color Prediction using by reading brain signals
3.	A novel thought to speech synthesis system by analyzing brain signals.
4.	Human brain controlled electronic devices
5.	Brain controlled wheel chair



PROJECT TITLES 2018-2019

ANTENNA DESIGN

1. Design and measurement of a contactless interface between a dipole antenna and a CMOS fully integrated wireless power receiver
2. Single-Antenna FDD Reader Design and Communication to a Commercial UHF RFID Tag
3. Industrial Antenna Design
4. Duality Principle of Characteristic Modes for the Analysis and Design of Aperture Antennas
5. Multi-Parameter Modeling with ANN for Antenna Design
6. Statistical Analysis and Robust Design of Circularly Polarized Antennas Using Sequential Approximate Optimization
7. X Band Patch Array Antenna Design for Marine Radar Application
8. Machine Learning for Isotropic Antenna Design
9. Design of a CPW fed compact bow-tie microstrip antenna with versatile frequency tunability
10. Model Correction and Optimization Framework for Expedited EM-Driven Surrogate-Assisted Design of Compact Antennas
11. Multi objective Optimization Design for Electrically Large Coverage
12. Integrated Design of Wideband Omnidirectional Antenna and Electronic Components for Wireless Capsule Endoscopy Systems
13. Ground plane modifications for design of miniaturized UWB antennas
14. Dual-band platform-mounted HF/VHF antenna design using the characteristic mode theory
15. Design of compact single-layer textile MIMO antenna is designed for wearable applications
16. Design of Folded Reflect array Antennas using Pancharatnam-Berry Phase Reflectors
17. Design and analysis of a wideband circularly polarized perturbed psi-shaped antenna
18. A Dual Reconfigurable Printed Antenna
19. Design and Optimization of Multi-port Pixel Antennas
20. Design of miniaturized on-chip slot antenna for THz detector in CMOS
21. Antenna design for a smartphone with a full metal casing and a narrow frame
22. Characteristic Mode Design of Wide and Circularly Polarized Patch Antenna Consisting of H-Shaped Unit Cells
23. Miniaturisation design of patch antenna using a low-profile mushroom type meta-substrate tailored with high permittivity
24. Design of a Compact, Wideband, Bi-Directional Antenna Using Index-Gradient Patches

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PROJECT TITLES 2018-2019

(L)-JAVA APPLICATION PROJECT

1.	Online overview of skills really used in jobs
2.	Land Bank for Nursery
3.	Developing Rural Economy
4.	ECOPS - Electronics Police Record Management System
5.	Website Evaluation Using Opinion Mining
6.	Monitoring Suspicious Discussions on Online Forums Using Data Mining
7.	INSURANCE MANAGEMENT SYSTEM
8.	e-Fraud Prevention based on the Self- Authentication of e-Documents
9.	Hope Center
10.	Exam crazy
11.	BUGS REPORTING SYSTEM
12.	LOCATION BASED CONSUMER COMPLAINT
13.	Speed Racing
14.	ROADSTER
15.	META CAFÉ
16.	ONLINE VIDEO LOCKER
17.	Management System in Metro Train
18.	Plant Shopping on Web
19.	Reporting Online Media News Systems
20.	Informative Content Extraction

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21.	E-commerce Complaint Management System
22.	Modern Agriculture Development System
23.	Loan Online Application
24.	Rural Community Development
25.	LOVE AND CARE
26.	GREEN PLANT
27.	Advance Couier Service
28.	Community Awarness
29.	E_Music
30.	Staff Management System
31.	E-TENDERING
32.	Hotel Management
33.	Crime File Management System
34.	Cloud Cyber Attack
35.	Cloud Cost Management for Customer Sensitive Data
36.	Advance Web based Multimedia Answer Generation
37.	Commaunity Awareness
38.	E-Commerce Complaints
39.	Modern Agriculture Development System
40.	Plant Shopping on Web
41.	ONLINE VIDEO LOCKER
42.	Management System in Metro Train
43.	Plant Shopping on Web

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44.	Reporting Online Media News Systems
45.	Informative Content Extraction
46.	E-commerce Complaint Management System
47.	Modern Agriculture Development System
48.	Online Digital Library
49.	Geo Base Services
50.	Civil Supplies and Consumer Protection Department
51.	Citizen Opinions vs Government Policies
52.	Protecting Used Data Privacy for Attackers
53.	Web Hospital Management
54.	Easy SQL Query for Non-IT Manager
55.	Online Shopping with Fraud detection
56.	Efficient Spatial Query Processing
57.	Cryptographic Key Exchange Authentication
58.	Online Global Information Service Center
59.	Contracts Business Events Management
60.	Online Secure image Social Networks
61.	Outsourcing of Online Image Reconstruction
62.	Trust based Profile Matching Secure Social Network
63.	Secure and Distance based Online Social Network (OSN)
64.	Efficient Online Image Retrieval System
65.	Data Sharing In Cloud Storage by Using Key-Aggregate
66.	Multicast Key Management for Cloud

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67.	Face-to-face contact on Mobile Social Networks
68.	Discovering the Gap between Web Site Designers' Expectations and Users' Behavior
69.	Dynamically Growing Online Survey for Behavioral Outcomes
70.	Advance Web based Multimedia Answer Generation
71.	College Result Analysis with Horizontally Distributed Databases
72.	Feedback Decision Support for mHealth monitoring
73.	Exchange Secrete Key for Data Producers and Consumers
74.	Efficient Information Retrieval Using Ranked Query (EIRQ)
75.	E-KNOWLEDGE WIRELESS HEALTH CARE SYSTEM
76.	Web Hosting On Cloud
77.	Web Usage Mining : A Survey on Pattern Extraction from Web Logs
78.	Web Server Security with Web Client Management System
79.	Web Parser on Sequence Alignment Techniques
80.	Web Page re-Ranking System for Library
81.	Web Eye
82.	Voting System for Web Library
83.	VIRTUAL CLASSROOM SYSTEM
84.	Unique Web Resources Utilization Monitoring System
85.	Transport Management System
86.	Pre-paid Recharging System on Banking
87.	Tollgate Management
88.	Time To Time Stock Market Updater and Monitoring System
89.	Sql Tuner

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90.	SOCIAL NETWORK MULTIPARTY ACCESS MANAGEMENT
91.	SMS Based Mobile Banking with Security
92.	SmsTopup
93.	Vendor Information System For Shipping
94.	Sequential Anomaly Detection from User Behaviour
95.	Secure SMS Transaction System on banking
96.	Secure Online Documents Management System in Cloud
97.	Secure File Uploading Server with Advance Protecting System
98.	Secure File Monitoring System on Cloud
99.	Relational Logic Search Engine On Healthcare
100.	Recommendation System Based On Web Usage Mining and Semantic Web A Survey
101.	Quick Customer decision support on Web Sales Portal
102.	Query Response System for File Management
103.	Quality Visualization on Web TV
104.	Project Work Tracking System
105.	Product Market Manipulations on Asian stock market
106.	Predicting Top Company Share Based on High Utility Data
107.	Automation of Analysis and Development Management
108.	Pharmacy Information System
109.	Personalize Your News on Web

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(M)-ONLINE BASED

1.	Online University
2.	Online tagging for multimedia content
3.	Online Search Ranking On Multiple Domain
4.	Online Rental House Web Portal
5.	Online Recruitment System
6.	Online Real Estate Property Management
7.	Online Multi Type Documents Search Engine
8.	ONLINE MOBILE BILLING SYSTEM
9.	Online Jewelry Management
10.	Online Index Recommendations For High-Dimensional Databases Using Query Workloads
11.	Online Examination System
12.	Online Ensemble Learning Approach
13.	Online Banking With Fraud Detecting
14.	Online Auction Bit
15.	ONLINE ADVERTISING SYSTEM
16.	Nutraceuticals Management System
17.	Nearest Shopping Location Identification Systems
18.	Multilevel Images Authentication Systems
19.	Multi New Product Survey Management
20.	Movie Recommender Systems via User- Item Subgroups
21.	Movie Rating and Recommendation on Mobile
22.	Modern Municipal Corporation

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23.	Mobile TV Quality Management
24.	Mobile Banking WAP
25.	Manifold Entrust Scheme
26.	Management System in Train
27.	Secure Mailing System
28.	Location-Based Spatial Query Processing in Wireless Broadcast Environments
29.	LEAVE MANAGEMENT SYSTEM FOR MNC
30.	Knowledge Based Decision Support System(KMS)
31.	Key Management for Content Integration
32.	Inter Bank Fund Transfer in Distributed Network
33.	Information and Knowledge Extracting from a large amount of data
34.	Industry Standard Authorization For Sensitive Resources
35.	Implementation and Validating Environmental and Health
36.	iKnoweb Extracting and Integrating Entity Information System
37.	HUMAN ASSURANCE ADMINISTRATION
38.	High_level network Security Using Packet Filtering
39.	High and Low Level SQL Query Executor
40.	GLOBAL COUNSELLING SYSTEM
41.	A Game Theory for Online Security
42.	Freelancer Job
43.	File Security With Multi Database System
44.	FILE SEARCH ENGINE
45.	Fertilizer Management System

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46.	Fast Web Information Gathering with Alias Detection
47.	E-Tutor Online Jobs
48.	Ensuring Data Storage Security in Cloud Computing
49.	Encrypted IT Auditing on Cloud Computing
50.	Encrypted Data Storage Vs Data Against illegal Access
51.	Enabling Site Interaction In Social Community
52.	Enabling Public Verifiability and Data Dynamics for Storage in Cloud Computing
53.	E-Music world
54.	Employee Resource Management
55.	Employee Management System
56.	E-Learning
57.	E Fraud Prevention based on the Self Authentication of e Documents
58.	Distribution System for Discount Sales
59.	Distributed Data Integration on Electricity Board
60.	Disease Information Hiding on Publishing Healthcare Data
61.	Digital Documents Attestation Systems
62.	Defending Against Web Application Vulnerabilities
63.	Defects Analysis Systems
64.	Data theft detection mobile cloud computing
65.	Data Base Fraud Detection Systems
66.	Customer Information Hiding for Data Mismanagement in Banking
67.	Company Security Reporting System(CSRS)
68.	E -Crime File Management System

H.NO:23/1,Second Floor,Alagiri Nagar,5th Street,Vadapalani, Chennai-600026| MB: 91 90430 22523 |
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www.edifytech.in



69.	Credit Card Management System
70.	Corporate Requirement System
71.	Consumer Sales Online Fake Product Detection and Deletion
72.	Company Information Tracking System
73.	Cloud Policy-Based File Assure Deletion
74.	Cloud Data Theft Attacks
75.	Cloud Cyber Attacks against Social Networks
76.	Cloud Cost Management for Customer Sensitive Data
77.	Client Favorite Photo Search Engine on Web
78.	Citizen Card System
79.	Card Management System
80.	Design &Development of Car Parking and Automation Billing Systems
81.	Customer Care Service
82.	BPO Call Center
83.	Automation of IT Process Management
84.	Modeling and Automated Containment of Worms
85.	Attribute Key Based Data Security System
86.	As Needed Basis Accountability for Cloud Data Sharing
87.	Annotation of short texts With Wikipedia pages
88.	AIRLINE RESERVATION SYSTEM
89.	Advance User Management on Social Website
90.	A Semantic Web Based Scientific News Aggregator
91.	Distributed Transaction Proxy

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92.	Enterprise Stock and Accounting System
1.	(G)-JAVA PROJECTS
2.	Joint Optimization of Multicast Energy in Delay-Constrained Mobile Wireless Networks
3.	Distributed Faulty Node Detection in Delay Tolerant Networks Design and Analysis
4.	Weakly Supervised Deep Embedding for Product Review Sentiment Analysis
5.	Authenticating Users through Fine-Grained Channel Information
6.	Enhancing Performance and Energy Efficiency for Hybrid Workloads in Virtualized Cloud Environment
7.	Aggregation-Based Colocation Datacenter Energy Management in Wholesale Markets
8.	Automatic Segmentation of Dynamic Network Sequences with Node Labels
9.	Cleaning Antipatterns in an SQL Query Log
10.	Complementary Aspect-Based Opinion Mining
11.	Frog Asynchronous Graph Processing on GPU with Hybrid Coloring Model
12.	Local and Global Structure Preservation for Robust Unsupervised Spectral Feature Selection
13.	Mining Precise Positioning Episode Rules from Event Sequences
14.	THINKER Entity Linking System for the Turkish Language
15.	Topic Models for Unsupervised Cluster Matching
16.	UniWalk Unidirectional Random Walk Based Scalable Sim Rank Computation over Large Graph
17.	ALLYS All You can send for Energy Harvesting Networks
18.	Characterizing Data Deliverability of Greedy Routing in Wireless Sensor Networks
19.	Combining Solar Energy Harvesting with Wireless Charging for Hybrid Wireless Sensor Networks
20.	Distributed Clustering-Task Scheduling for Wireless Sensor Networks Using Dynamic Hyper Round Policy
21.	Energy-Efficient and Distributed Network Management Cost Minimization in Opportunistic Wireless Body Area Networks
22.	Max-Min Fairness Rate Control in Wireless Networks Optimality and Algorithms by Perron-Frobenius Theory
23.	Optimal Dropbox Deployment Algorithm for Data Dissemination in Vehicular Networks
24.	VCAMS Viterbi-Based Context-Aware Mobile Sensing to Trade-Off Energy and Delay
25.	A Collaborative Key Management Protocol in Ciphertext Policy Attribute.docx
	(H)-BIGDATA
1.	Disease Prediction by Machine Learning over Big Data from Healthcare Communities

2.	Practical Privacy-Preserving MapReduce Based K-means Clustering over Large-scale Dataset
3.	FiDooP-DP: Data Partitioning in Frequent Itemset Mining on Hadoop Clusters
4.	Achieving Efficient and Privacy-Preserving Cross-Domain Big Data Deduplication in Cloud
5.	Cost-Aware Big Data Processing across Geo-distributed Datacentres
6.	Ring: Real-Time Emerging Anomaly Monitoring System over Text Streams
7.	Efficient Processing of Skyline Queries Using MapReduce
8.	PPHOPCM: Privacy-preserving High-order Possibilistic c-Means Algorithm for Big Data Clustering with Cloud Computing
9.	Hadoop MapReduce for Mobile Clouds
10.	A Systematic Approach to Description and Classification of Cybercrime Incidents
11.	A Meta Path based Method for Entity Set Expansion in Knowledge Graph
12.	Improving Hadoop Performance with Shuffle-on-Write
13.	Mitigating Reducer Skew In MapReduce
14.	Moving Hadoop into the Cloud with Flexible Slot Management and Speculative Execution
15.	Self-Adjusting Slot Configurations for Homogeneous and Heterogeneous Hadoop Clusters
(I)-CYBER SECURITY	
1.	A Network Coding and DES Based Dynamic Encryption Scheme for Moving Target Defense
(J)-SOCIAL NETWORK	
1.	Three level hidden behavior link prediction model
(K)-NETWORK	
1.	Analyzing_and_Detecting_Money-Laundering_Accounts_in_Online_Social_Networks

PROJECT TITLES 2018-2019

(I1)-IoT PROJECTS-IRRIGATION

1	A uW Backscatter-Morse-Leaf Sensor for Low-Power Agricultural Wireless Sensor Networks
2	End-to-End Reliability Analysis of an IoT based Smart Agriculture
3	Improved Durability of Soil Humidity Sensor for Agricultural IoT Environments
4	IoT agriculture system based on LoRaWAN
5	IoT Based Smart Crop-Field Monitoring And Automation Irrigation System
6	IoT Based Smart Sprinkling System
7	Smart Home Garden Irrigation System Using Raspberry Pi
8	The Enhancement of Wireless Sensor Network in Smart Farming Using Distributed Beamforming
9	WSN Architecture for Smart Irrigation System
10	Internet of Things Enhanced User Experience for Smart Water and Energy Management
11	A uW Backscatter-Morse-Leaf Sensor for Low-Power Agricultural Wireless Sensor Networks
12	Analysis of morphology-based features for classification of crop and weeds in precision agriculture

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(I2)-IoT PROJECTS-ENERGY MONITORING

1	A Fog-Based Internet of Energy Architecture for Transactive Energy Management Systems
2	A Human-centric & Context-aware IoT Framework
3	Context Design and Tracking for IoT-based Energy Management in Smart Cities
4	Coordinated Multipoint based Uplink Transmission in Internet of Things Powered by Energy Harvesting
5	Implemented IoT based Self-learning Home Management System (SHMS) for Singapore
6	Battery Lifetime Modeling and Validation of Wireless Building Automation Devices in Thread
7	A deep learning approach for vital signs compression and energy efficient delivery in mHealth systems

(I3)-IoT PROJECTS-MORE

1	A lightweight and flexible encryption scheme to protect sensitive data in Smart Building scenarios
2	Agricultural Cyber-physical System In-Situ Soil Moisture and Salinity Estimation by Dielectric Mixing
3	An IoT Cloud System for Traffic Monitoring and Vehicular Accidents Prevention Based on Mobile Sensor Data Processing
4	Voice Activated Semi-Autonomous Vehicle Using Off the Shelf Home Automation Hardware
5	
6	
7	
8	

PROJECT TITLES 2018-2019

[P1]POWER ELETRONICS-DRIVES

- | | |
|---|--|
| 1 | Modified Dual Output Cuk Converter fed Switched Reluctance Motor Drive with Power Factor Correction |
| 2 | Design Enhancement of a Power Supply System for a BLDC Motor-Driven Circuit With State-of-Charge Equalization and Capacity Expansion |
| 3 | A Single-Stage Sensor-less Control of a PV based Bore-Well Submersible BLDC Motor |
| 4 | Improved Finite Control-Set Model-Based Direct Power Control of BLDC Motor with Reduced Torque Ripple |
| 5 | A PLL-Based Novel Commutation Correction Strategy for a High- Speed Brushless DC Motor Sensor-less Drive System |
| 6 | High-Precision Sensor-less Drive for High-Speed BLDC MotorsBased on the Virtual Third Harmonic Back-EMF |
| 7 | Commutation Torque Ripple Reduction in the BLDC Motor Using Modified SEPIC and Three-Level NPC Inverter |

[P2]POWER ELETRONICS-INVERTERS

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|---|--|
| 1 | A Variable Off-Time Control Method for a Single-Phase DCM Micro-inverter |
| 2 | Carrier Level-Shifted Based Control Method for the PWM 3L-T-Type qZS Inverter With Capacitor Imbalance Compensation |
| 3 | A Discrete-Time Average Model-Based Predictive Control for a Quasi-Z-Source Inverter |
| 4 | A Flexible Discontinuous Modulation Scheme with Hybrid Capacitor Voltage Balancing Strategy for Three-Level NPC Traction Inverter |
| 5 | Second-Harmonic Current Reduction for Two-Stage Inverter WithBoost-Derived Front-End Converter: Control Schemes and DesignConsiderations |

[P3]POWER ELETRONICS-MULTI LEVEL INVERTERS

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|---|--|
| 1 | 5-level High Efficiency Low Cost Hybrid Neutral Point Clamped Transformerless Inverter for Grid Connected Photovoltaic Application |
| 2 | A Novel Step-Up Single Source Multilevel Inverter: Topology, Operating Principle and Modulation |
| 3 | A Switched-Capacitor-Based Multilevel Inverter Topology With Reduced Components |
| 4 | Multi-Input Switched-Capacitor Multilevel Inverter for High-Frequency AC Power Distribution |
| 5 | A Novel Switched-Capacitor Based Single-phase Five-level Transformerless Inverter |
| 6 | Multistage and Multilevel Power Electronic Converter-Based Power Supply for Plasma DBD Devices |
| 7 | Single-Phase Asymmetrical T-Type Five-Level Transformerless PV Inverter |
| 8 | An Isolated Multi-Input ZCS DC-DC Front-End-Converter Based Multilevel Inverter for the Integration of Renewable Energy Sources |

[P4]POWER ELETRONICS-LED DRIVER/APPLICATIONS

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|---|--|
| 1 | An AC-DC LED Driver with an Additional Active Rectifier and a Unidirectional Auxiliary Circuit for AC Power Ripple Isolation 2018 |
| 2 | Loss Analysis for Efficiency Improvement of the Integrated Buck-Flyback LED Driver |
| 3 | A Single-Stage Integrated Boost-LLC AC-DC Converter with Quasi-Constant Bus Voltage for Multi-channel LED Street-Lighting Applications |
| 4 | A PFC Single-Coupled-Inductor Multiple-Output LED Driver Without Electrolytic Capacitor |

[P5]POWER ELETRONICS PROJECTS

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|----|--|
| 1 | New Bridgeless Buck PFC Converter with Improved Input Current and Power Factor |
| 2 | A Wide-Input-Range High-Efficiency Step-down Power Factor Correction Converter Using Variable Frequency Multiplier Technique |
| 3 | Interleaved-Input Series-Output Ultra High Voltage Gain DC-DC Converter |
| 4 | Advanced Digital Controller for Improving Input Current Quality of Integrated Active Virtual Ground-Bridgeless PFC |
| 5 | Multi-track Power Factor Correction Architecture |
| 6 | Voltage Gain Improvement of a High-Step-Down Converter With Coupled-Inductor Core Size Reduction Based on Flux Linkage |
| 7 | A Voltage Quadrupler Rectifier Based Pulse-Width-Modulated LLC Converter with Wide Output Range |
| 8 | Dynamic Modeling and Controller Design of Dual-Mode Cuk Inverter in Grid-Connected PV/TE Applications |
| 9 | Improved Power Quality Switched Inductor Cuk Converter for Battery Charging Application |
| 10 | Isolated Bidirectional DC-DC Converter with Quasi-Resonant Zero-Voltage Switching for Battery Charge Equalization |
| 11 | Photovoltaic AC Module Based on a Cuk Converter with a Switched-Inductor Structure |
| 12 | Non-isolated Harmonics-Boosted Resonant DC/DC Converter With High-Step-Up Gain |
| 13 | Modified High-Efficiency LLC Converters With Two Split Resonant Branches for Wide Input-Voltage Range Applications |

14	Family of ZVT Interleaved Converters With Low Number of Components
15	Combined Multilevel and Two-Phase Interleaved LLC Converter With Enhanced Power Processing Characteristics and Natural Current Sharing
16	Interleaved Current-Driven Phase-Shift Full-Bridge Converter With Magnetic Integration and Voltage Doubler Rectifiers
17	Single-Phase Hybrid Switched-Capacitor Voltage-Doubler SEPIC PFC Rectifiers
18	Hybrid Switched-Capacitor/Switched-Quasi-Z-Source Bidirectional DC-DC Converter With Wide-Voltage-Gain Range for Hybrid
19	Isolated SEPIC DC-DC Converter With Ripple-Free Input Current and Lossless Snubber
20	Hybrid Control of Single-Inductor Multiple-Output Converters
21	Analysis and Design of an Input-Series Two-Transistor Forward Converter For High-Input Voltage Multiple-Output Applications
22	An Independently Controlled Single-PWM Multiple-Output Narrow-Band Resonant Converter
23	A Hybrid Resonant ZCS PWM Converter for Renewable Energy Sources Connecting to MVDC Collection System
24	A New ZVS Full-Bridge DC-DC Converter for Battery Charging With Reduced Losses Over Full-Load Range
25	Zero-Voltage and Zero-Current Switching PWM DC-DC Converter Using Controlled Secondary Rectifier With One Active Switch and Non-dissipative Turn-Off Snubber

[P6]POWER ELECTRONICS-ENERGY SYSTEMS

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|----|---|
| 1 | Advanced Voltage Support and Active Power Flow Control in Grid-Connected Converters Under Unbalanced Conditions |
| 2 | Design and Control of Microgrid Fed by Renewable Energy Generating Sources |
| 3 | Flexible Compensation Strategy for Voltage Source Converter Under Unbalanced and Harmonic Condition Based on a Hybrid Virtual Impedance Method |
| 4 | A Multiple Improved Notch Filter Based Control for Single Stage PV System Tied to Weak Grid |
| 5 | Sub- and Super-Synchronous Interactions Between STATCOMs and Weak AC/DC Transmissions With Series Compensations |
| 6 | Dynamic Analysis and Improved LVRT Performance of Multiple DG Units Equipped With Grid-Support Functions Under Unbalanced Faults and Weak Grid Conditions |
| 7 | Dynamic Power Decoupling Strategy for Three- Phase PV Power Systems under Unbalanced Grid Voltages |
| 8 | Selective Harmonic Elimination Technique With Control of Capacitive DC-Link Voltages in an Asymmetric Cascaded H-Bridge Inverter for STATCOM Application |
| 9 | Voltage Limit Control of Modular Multilevel Converter Based Unified Power Flow Controller Under Unbalanced Grid Conditions |
| 10 | A Transformer-Less Unified Power Quality Conditioner with Fast Dynamic Control |
| 11 | Three-Phase Transformerless Shunt Active Power Filter With Reduced Switch Count for Harmonic Compensation in Grid- Connected Applications |
| 12 | Design and Performance Analysis of Three-Phase Solar PV Integrated UPQC |

13	PV-STATCOM: A New Smart Inverter for Voltage Control in Distribution Systems
14	Multi-Objective Dynamic Voltage Restorer with Modified EPLL Control and Optimized PI Controller Gains
15	Performance Evaluation of a MW-Class SMES-BES DVR System for Mitigation of Voltage Quality Disturbances
[P7]POWER ELECTRONICS -RENEWABLE ENERGY SYSYTEM	
1	An Improved Hybrid Modulation Method for the Single-Phase H6 Inverter With Reactive Power Compensation
2	Novel Control Method for Multimodule PV Microinverter With Multiple Functions
3	Design and Control of Autonomous Wind-Solar System With DFIG Feeding 3-Phase 4-Wire Loads
4	Hybrid Energy Storage System Microgrids Integration for Power Quality Improvement Using Four-Leg Three-Level NPC Inverter and Second-Order Sliding Mode Control
5	Frequency Division Based Coordinated Control of Three- Port Converter Interfaced Hybrid Energy Storage Systems in Autonomous DC Microgrids
6	Fuzzy Logic-Based Energy Management System Design for Residential Grid-Connected Microgrids
7	A Uniform Control Strategy for the Interlinking Converter in Hierarchical Controlled Hybrid AC/DC Microgrids
8	A Battery/Ultracapacitor Hybrid Energy Storage System for Implementing the Power Management of Virtual Synchronous Generators
9	Supervisory Control for Power Management of an Islanded AC Microgrid Using Frequency Signalling-

	Based Fuzzy Logic Controller
10	Low Dissipative Snubber Using Flyback-Type Transformer for 10 Kv IGCT in 7 MW Wind Turbine Systems
11	A Hybrid Resonant ZVZCS Three-Level Converter for MVDC Connected Offshore Wind Power Collection Systems
12	A Three-Phase Grid-Connected Microinverter for AC Photovoltaic Module Applications
13	Soft-switched Non-Isolated High Step-up Three-port DC-DC converter for Hybrid Energy Systems
14	Stability Improvement of a Multimachine Power System Connected With a Large-Scale Hybrid Wind-Photovoltaic Farm Using a Supercapacitor
15	Efficiency Improvement of Three Port High Frequency Transformer Isolated Triple Active Bridge Converter
16	Partially-Isolated Single-Magnetic Multi-Port Converter Based on Integration of Series-Resonant Converter and Bidirectional PWM Converter
17	Isolated Single Stage Bidirectional AC-DC converter with power decoupling and reactive power control to interface battery with the single phase grid
18	Supervisory Power Quality Control Scheme for a Grid-Off Microgrid
19	Instantaneous Symmetrical Component Theory based Parallel Grid Side Converter Control Strategy for Microgrid Power Management
20	Analysis of a High-Power, Resonant DC-DC Converter for DC Wind Turbines
21	A Novel Design of PI Current Controller for PMSG-Based Wind Turbine Considering Transient Performance Specifications and Control Saturation



[P8]POWER ELECTRONICS -ELECRTCIC VEHICLE SYSYTEM

- 1 Plug-in Hybrid Electric Vehicles (PHEVs): Replacing Internal Combustion Engine with Clean and Renewable Energy Based Auxiliary Power Sources
- 2 A PWM LLC Type Resonant Converter Adapted to Wide Output Range in PEV Charging Applications
- 3 High Efficiency Bridgeless Single-Power-Conversion Battery Charger for Light Electric Vehicles
- 4 PV Battery Charger Using an L3C Resonant Converter for Electric Vehicle Applications
- 5 On an Electric Scooter With G2V/V2H/V2G and Energy Harvesting Functions