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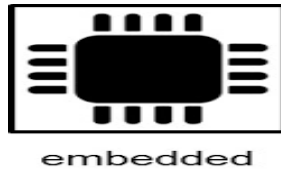
Bridging Technology.

For: - B. E | B. Tech | M. E | M. Tech | MCA | BCA | Diploma | MS | M. Sc |

IEEE

REAL TIME PROJECTS & TRAINING GUIDE
SOFTWARE & EMBEDDED

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PROJECT TITLES FOR ACADEMIC YEAR 2017 - 2018

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www.igeekstechnologies.com Land Mark: Opposite Joyalukkas Gold Showroom, Near to Mantri Mall

HPE COC TRAINING PROGRAMMS:

IGEEKS, providing quality, industry oriented programs are at forefront of our motto. Our training programs are among the most sought after by the industry which is offered to both experienced and fresher's alike. We strive to bring the latest and advanced courses to our students in order to equip them with the most sought after skill-sets required by the industry. In our quest for offering quality, industry ready skills for our students, we are proud to announce that we are now an Authorized delivery partner for Hewlett Packard Enterprise (HPE). With us collaborating with our esteemed partner HPE, we now offer top of the class, industry oriented and HPE certified courses to our students to make them industry ready on completion of a course from a wide variety of HPE certified programs. These courses are available to fresh graduates as well as experienced candidates.

Here's a cursory glance at some of the courses offered by HPE across key Indian cities - Programming Techniques using 'C', PHP, VLSI, VHDL & PCB Design, Data Structure using C Language, Core Java, J2EE - Hibernate with Spring Framework, J2EE - Struts with Hibernate Framework, Android, ASP.NET With C#, Embedded & Robotics-Basics & Advanced, ARM, Linux Administration with Scripting, Networking concepts with security.

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If you require any further information regarding the courses, feel free to contact US: Malleswaram/JayaNagar-9739066172.



Android



Asp.net With C#



Big Data-Programming&Development



Core Java



Core Java with Android



Embedded & Robotics Basics and Advanced



J2EE-Struts with Hibernate Framework



PHP with WordPress

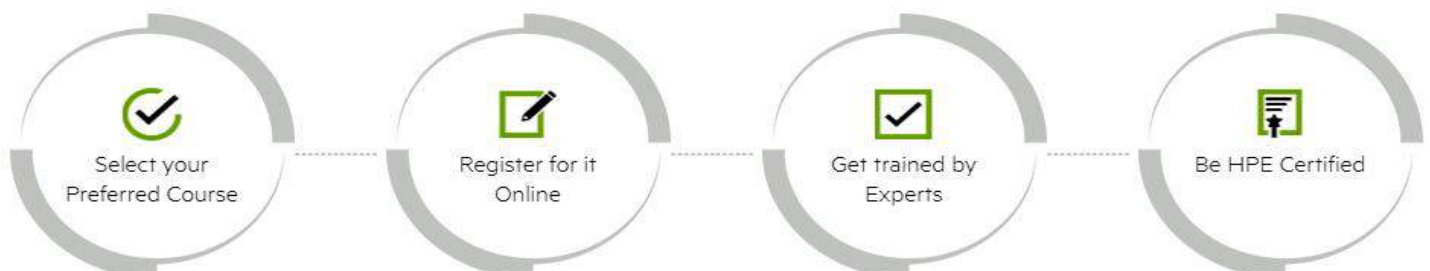


Programming Techniques Using C and C++



VLSI VHDL & PCB Design

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S.No	PROJECT TITLES (2017-2018)	Year
M.E CS, IS, ECE, COMMUNICATION & SE PROJECT TITLES		
S.No	Web Mining (JAVA)	Year
1	Aspect based sentiment analysis in social media with classifier ensembles	2017
2	A Context-Based Regularization Method for Short-Text Sentiment Analysis	2017
3	Abnormal Working Hours: Effect of Rapid Releases and Implications to Work Content	2017
4	Mining Twitter Data for a More Responsive Software Engineering Process	2017
5	Sentiment analysis of students' comment using lexicon based approach	2017
6	Requiem for online harassers: Identifying racism from political tweets	2017
7	Expression of Political Opinions in Press	2017
8	Mining E-Commerce Satisfaction Sentiment through a Bilingual Model	2017
9	Target oriented tweets monitoring system during natural disasters	2017
10	Predicting political mood tendencies based on Twitter data	2017
11	A Rating Approach based on Sentiment Analysis	2017
12	A feature based approach for sentiment analysis using SVM and Coreference Resolution	2017
13	Market impact analysis via sentimental transfer learning	2017
14	Sentiment Analysis for design of Computing with Words based recommender	2017
15	SentiReview: Sentiment analysis based on text and emoticons	2017
16	Recommendation generation using typicality based collaborative filtering	2017
17	CPMF: A collective pairwise matrix factorization model for upcoming event recommendation	2017
18	A calculation method for social network user credibility	2017
19	Predicting the Popularity of News Based on Competitive Matrix	2017
20	Extraction of Action Rules for Chronic Kidney Disease using Naïve Bayes Classifier	2017
21	An innovative tour recommendation system for tourists in Japan	2016
22	Web Page Personalization and link prediction using generalized inverted index and flame clustering	2016
23	Automated discovery of small business domain knowledge using web crawling and data mining	2016
24	Modelling website user behaviors by combining the EM and DBSCAN algorithms	2016
25	XPath based crawling method with crowdsourcing for targeted online market places	2016
26	Development of business intelligence solution for personnel administration	2016
27	Predicting user behavior through sessions using the web log mining	2016
28	Extracting Opinion Targets from Environmental Web Coverage and Social Media Streams	2016
29	Food hazard event extraction based on news and social media: A preliminary work	2016
30	Automating Web Tasks by Simulating Browser Behaviors	2016
31	SDAF: Symbolic data classification using variations in frequent terms	2016
32	More Common Than You Think: An In-depth Study of Casual Contributors	2016
33	Research on the mining of opinion community for social media based on sentiment analysis and regional distribution	2016
34	Sentiment classification for Turkish Twitter feeds using LDA	2016
35	Sentiment Analysis and Classification for Software as a Service Reviews	2016
36	A Provably Efficient Algorithm for Separable Topic Discovery	2016
37	Gathering user reviews for an opinion dictionary	2016
38	Improved speculative Apriority with percentiles algorithm for website restructuring based on usage patterns	2016
39	Extract semantic web knowledge from Wikipedia tables and lists	2016
40	Mining online forums for valuable contributions	2016
41	Leveraging Cross-Domain Social Media Analytics to Understand TV Topics Popularity	2016
42	A Study of Causes and Consequences of Client-Side JavaScript Bugs	2016
43	Data mining for marketing in telecommunication industry	2016
44	Pattern matching for extraction of core contents from news web pages	2016
45	Creating ontology for intelligent web by using web usage mining	2016
46	Prediction of User Behavior using Web log in Web Usage Mining	2016
S.No	Data Mining (JAVA)	Year
1	An improved algorithm for mining frequent Inter-transaction patterns	2017
2	A predictive approach for improving the sales of products in e-commerce	2017

3	Machine Learning Methods for Solving Complex Ranking and Sorting Issues in Human Resourcing	2017
4	Design and application of intelligent dynamic crawler for web data mining	2017
5	Discovering interesting itemsets based on change in regularity of occurrence	2017
6	Extraction of Characteristic Sets of Ingredients and Cooking Actions on Cuisine Type	2017
7	Mining Web Access Sequence with Improved Apriori Algorithm	2017
8	Enabling Far-Edge Analytics: Performance Profiling of Frequent Pattern Mining Algorithms	2017
9	Identifying At-Risk Students for Early Interventions—A Time-Series Clustering Approach	2017
10	Mining weighted-frequent-regular itemsets from transactional database	2017
11	Design and development of an intelligent web application for direct consumer to consumer trading over Internet	2017
12	An approach to support education of data mining algorithms	2017
13	Applying Data Mining techniques in Cyber Crimes	2017
14	Designing combo recharge plans for telecom subscribers using itemset mining technique	2017
15	Trust: A new objective measure for symmetric association rule mining in account of dissociation and null transaction	2017
16	Supervised and Unsupervised Aspect Category Detection for Sentiment Analysis with Co-occurrence Data	2017
17	Semantic association rule mining: A new approach for stock market prediction	2017
18	Improved approach for infrequent weighted itemsets in data mining	2017
19	Event Detection and User Interest Discovering in Social Media Data Streams	2017
20	Enhanced frequent itemsets based on topic modeling in information filtering	2017
21	Efficiency of data mining models to predict academic performance and a cooperative learning model	2016
22	An elective course suggestion system developed in computer engineering department using fuzzy logic	2016
23	A unified classification approach to the online review selection using micro-reviews	2016
24	A framework for analyzing and detracting negative emotional contagion in online social networks	2016
25	Review on state of art data mining and machine learning techniques for intelligent Airport systems	2016
26	Improvement of spatial data clustering algorithm in city location	2016
27	Current research themes in software engineering: An application of text mining	2016
28	A clustering algorithm based on integration of K-Means and PSO	2016
29	Impact of Bug Reporter's Reputation on Bug-Fix Times	2016
30	A Data Mining Framework for Tea Price Evaluation	2016
31	Predicting transitional interval of kidney disease stages 3 to 5 using data mining method	2016
32	Quran question and answer corpus for data mining with WEKA	2016
33	A Survey of Data Mining and Machine Learning Methods for Cyber Security Intrusion Detection	2016
34	Using social media mining technology to assist in price prediction of stock market	2016
35	Research of association rule algorithm based on data mining	2016
36	Perceiving learning at a glance: A systematic literature review of learning dashboard research	2016
37	Processing Incomplete k Nearest Neighbor Search	2016
38	Framework for data model to personalized health systems	2016
39	Construction of decision support system in business design based on integration of information technology	2016
40	Sentiment analysis of top colleges in India using Twitter data	2016
41	Metric all-k-nearest-neighbor search	2016
42	Current issues in education as pertaining to the realm of e-commerce legal protection	2016
43	Development of a framework for analyzing terrorism actions via twitter lists	2016
44	A LDA model based text-mining method to recommend reviewer for proposal of research project selection	2016

S.No	Software Engineering	Year
1	Automatically locating unnamed windows and inner frames for web regression testing	2017
2	Accelerating Test Automation through a Domain Specific Language	2017
3	Better Now Than Later: Managing Technical Debt in Systems Development	2017
4	Automatically Tracing Dependability Requirements via Term-Based Relevance Feedback	2017
5	Emotional Intelligence, Technology Strategy and Firm's Non-Financial Performance	2017
6	Optimal shelf space strategy for the fresh agricultural product with a two-warehouse inventory system	2017
7	Inventory control of outpatient appointment based on revenue management theory	2017
8	Ordering control in multi-stage multi-item supply chain with stochastic demand	2017
9	Hybrid Biogeography-Based Optimization for solving Vendor Managed Inventory System	2017
10	Multicriteria Green Supplier Segmentation	2017

S.No	Routing and Wireless Sensor Networks (JAVA/MATLAB)	Year
1	Energy-Efficient Algorithm to Construct the Information Potential Field in WSNs	2017
2	Comparative study of opportunistic routing in Wireless Sensor Networks	2017
3	EiP-LEACH: Energy influenced probability based LEACH protocol for Wireless Sensor Network	2017
4	Coordinate-Assisted Routing Approach to Bypass Routing Holes in Wireless Sensor Networks	2017
5	Evaluating the performance of density grid-based clustering using ABC technique for efficient routing in WSNs	2017
6	Proposed identification algorithm of evil nodes in WSN	2017
7	Utilizing communication range to shorten the route of sweep coverage	2017
8	Parent node discovery time reduction algorithm for low-power wireless sensor networks	2017
9	Zone based hybrid approach for clustering and data collection in wireless sensor networks	2017
10	Genetic algorithm based clustering approach for wireless sensor network to optimize routing techniques	2017
11	Fault-tolerant topology control for heterogeneous wireless sensor networks using Multi-Routing Tree	2017
12	Research on Trust Sensing Based Secure Routing Mechanism for Wireless Sensor Network	2017
13	An Improved Routing Algorithm Based on Ant Colony Optimization in Wireless Sensor Networks	2017
14	Research on efficient-efficient routing protocol for WSNs based on improved artificial bee colony algorithm	2017
15	Aco based wireless sensor network routing for energy saving	2017
16	EAM: Energy Aware Mobility over wireless sensor networks	2017
17	Modelling of clustering with relay nodes in wireless sensor networks	2017
18	AODV Based Adaptive Distributed Hybrid Multipath Routing for Mobile Adhoc Network	2017
19	Optimal dynamic routing protocols for agro-sensor communication in MANETs	2017
20	Ad Hoc WLAN Throughput Improvement by Reduction of RTS Range	2017
21	An Optimization Framework for Mobile Data Collection in Energy-Harvesting Wireless Sensor Networks	2016
22	An Improved Three-Layer Low-Energy Adaptive Clustering Hierarchy for Wireless Sensor Networks	2016
23	Cluster-Based Routing for the Mobile Sink in Wireless Sensor Networks with Obstacles	2016
24	Optimal and Near-Optimal Cooperative Routing and Power Allocation for Collision Minimization in Wireless Sensor Networks	2016
25	CASPaR: Congestion avoidance shortest path routing for delay tolerant networks	2016
26	An Incentive-Compatible Routing Protocol for Two-Hop Delay-Tolerant Networks	2016
27	Routing and optimal hop distance in wireless ad hoc network	2016
28	A Recursive Shortest Path Routing Algorithm With Application for Wireless Sensor Network Localization	2016
29	Dynamic Cluster Head Selection Method for Wireless Sensor Network	2016
30	A Fuzzy Logic-Based Clustering Algorithm for WSN to Extend the Network Lifetime	2016
31	Energy Efficiency Optimization for Mobile Ad Hoc Networks	2016
32	Routing-aware TDMA scheduling for wireless sensor networks	2016
33	Contention-Based Geographic Forwarding Strategies for Wireless Sensors Networks	2016
34	Backpressure-based routing and scheduling protocols for wireless multi hop networks: A survey	2016
35	Cooperative Routing With Relay Assignment in Multi radio Multihop Wireless Networks	2016
36	Optimal Energy and Data Routing in Networks With Energy Cooperation	2016
37	Simulation comparison and analysis of DSR and DYMO protocols in MANETs	2016
38	An expansion cluster routing algorithm based on RSSI for an efficient data transmission	2016
39	Design and performance evaluation of an energy efficient routing protocol for Wireless Sensor Networks	2016
40	Opportunistic Routing With Congestion Diversity in Wireless Ad Hoc Networks	2016
S.No	Smart Antennas (MATLAB)	Year
1	Joint power control and beam former design with antenna selection	2017
2	Saturation Power-Based Simple Energy Efficiency Maximization Schemes for MISO Broadcast Channel Systems	2017
3	Finite Horizon Opportunistic Multicast Beamforming	2017
4	Fast Iterative Interpolated Beamforming for Accurate Single-Snapshot DOA Estimation	2017
5	A Quadratically-Constrained Stochastic Gradient Algorithm for Beamforming in Mobile Communications	2017
6	Transmit Beamforming and Power Control for Optimizing the Outage Probability Fairness in MISO Networks	2017
7	Robust adaptive beamforming against significant angle mismatch	2017
8	Cosecant Squared pattern synthesis of linear antenna arrays based on an adaptive least Square algorithm	2017
9	A new Variable Error Metric adaptive beamforming Algorithm for smart antenna systems	2017
10	New Trinion and Quaternion Set-Membership Affine Projection Algorithms	2017
11	Performance comparisons of fixed and adaptive beamforming techniques for 4G smart antennas	2017

12	Direction-of-arrival estimation in sensor arrays for moving terminals	2017
13	Fast Transmit Beamforming With Distributed Antennas	2017
14	A Low-Complex One-Snapshot DOA Estimation Algorithm with Massive ULA	2017
15	An accurate perturbation analysis algorithm for music with Toeplitz covariance matrix	2017
16	Orientation and cancellation of directional interfering signals based on a radio frequency beamforming array	2017
17	M&1,2-MUSIC algorithm for DOA estimation of coherent sources	2017
18	Improved DOA estimation algorithm for co-prime linear arrays using root-MUSIC algorithm	2017
19	Array Interpolation Using Covariance Matrix Completion of Minimum-Size Virtual Array	2017
20	Simplified High-Order DOA and Range Estimation With Linear Antenna Array	2017
21	A novel subspace partition method for fourth-order statistics based MUSIC	2017
22	The Application of DOA Estimation Approach in Patient Tracking Systems with High Patient Density	2016
23	Informed MIMO implementation of distributed transmit beamforming for range extension	2016
24	Switchless Reconfigurable Antenna with 360° Steering	2016
25	Investigation of RLS beamforming algorithm in terms of energy efficiency	2016
26	Combining Antenna Array Elements by using ICA Method for Remote Sensing Sources	2016
27	Fast Transmit Beamforming with Distributed Antennas	2016
28	Adaptive Beamforming for Vector-Sensor Arrays Based on a Reweighted Zero-Attracting Quaternion-Valued LMS Algorithm	2016
29	Main lobe interference suppression with Eigen projection algorithm and similarity constraints	2016
30	Robust and fast beamforming with magnitude response constraints for multiple-input multiple-output radar	2016
31	Beamforming for total energy maximization in MISO networks	2016
32	Multicell Coordinated Scheduling With Multiuser Zero-Forcing Beamforming	2016
33	Distributional robust chance-constrained minimum variance beamforming	2016
34	Reduced-Order Robust Super directive Beamforming with Uniform Linear Microphone Arrays	2016
35	Performance comparison of millimeter-wave communications system with different antenna beam width	2016
36	Weighted Sum Rate Based Coordinated Beamforming in Multi-cell Multicast Networks	2016
37	The implementation of smart antenna based on NI PXI	2016
38	A null broadening beamforming method of virtual antenna array	2016

IEEE MATLAB 2017-2018 PROJECT LIST

INFORMATION / MULTIMEDIA FORENSICS

1	Copy-Paste Detection Based on a SIFT Marked Graph Feature Vector	2017
2	Optimised blind image watermarking method based on firefly algorithm in DWT-QR transform domain Scheme Using Human Visual System Characteristics	2017
3	The Switching Fractional Order Chaotic System and Its Application to Image Encryption	2017
4	Image Forgery Localization via Integrating Tampering Possibility Maps	2017
5	An Image-Based Approach to Detection of Fake Coins	2017
6	Con-Text: Text Detection for Fine-grained Object Classification	2017

MATLAB BASED FORESIGHT NETWORK (REMOTE SENSING)

7	Integrated Localization and Recognition for Inshore Ships in Large Scene Remote Sensing Images	2017
8	Single image dehazing by latent region segmentation based transmission estimation and weighted L1-norm regularization	2017
9	Inshore Ship Detection in Remote Sensing Images via Weighted Pose Voting	2017
10	Change Detection Based on Gabor Wavelet Features for Very High Resolution Remote Sensing Images	2017
11	Accurate Shadow Detection From High Resolution Satellite Images	2017
12	River Extraction From High-Resolution SAR Images Combining a Structural Feature Set and Mathematical Morphology	2017
13	A Region-Wised Medium Transmission Based Image Dehazing Method	2017
14	Accurate Shadow Detection From High Resolution Satellite Images	2017

MATLAB BASED BIOMEDICAL IMAGING

15	Reworking Multilabel Brain Tumor Segmentation	2017
16	MIGS-GPU: Microarray Image Gridding and Segmentation on the GPU	2017
17	Retinal Disease Screening through Local Binary Patterns	2017
18	Fast unsupervised Bayesian image segmentation with adaptive spatial regularisation	2017

19	Leukocytes Classification and Segmentation in Microscopic Blood Smear: A Resource-Aware Healthcare Service in Smart Cities	2017
20	An Approach to Detect Bone Tumor using Comparative Analysis of Segmentation Techniques	2017
21	Retinal Fundus Image Analysis for Diagnosis of Glaucoma: A Comprehensive Survey	2017
22	Automated Melanoma Recognition in Dermoscopy Images via Very Deep Residual Networks	2017
MATLAB BASED BIOMETRIC AUTHENTICATION		
23	Automatic ear detection and feature extraction using Geometric Morphometrics and convolutional neural networks	2017
24	System for multimodal biometric recognition based on finger knuckle and finger vein using feature-level fusion and k-support vector machine classifier	2017
25	Facial Age Estimation with Age Difference	2017
26	Effective statistical-based and dynamic fingerprint preprocessing technique	2017
27	Towards More Accurate Iris Recognition using Cross-Spectral Matching	2017
28	Facial Expression Recognition Utilizing Local Direction-based Robust Features and Deep Belief Network	2017
29	Face detection with a Viola-Jones based hybrid network	2017
30	Fingerprint live-ness detection using local texture features	2017
MATLAB BASED IMAGE AUGMENTATION PROCESS		
31	A Hierarchical Approach for Rain or Snow Removing in A Single Color Image	2017
32	Leave-one-out Kernel Optimization for Shadow Detection and Removal	2017
33	Affine Non-Local Means Image Denoising	2017
34	LIME: Low-light Image Enhancement via Illumination Map Estimation	2017
35	Multi-Image Deblurring using Complementary Sets of Fluttering Patterns	2017
36	Image Enhancement Using Morphological Contrast Enhancement for Video Based Image Analysis	2017
37	Fusion-based Variational Image Dehazing	2017
MATLAB BASED INTELLIGENT VEHICLE/TRANSPORT ENFORCEMENT SYSTEM		
38	Resize Fractional Based Model for Enhancing License Plate Detection and Recognition	2017
39	Automatic Detection of Red Light Running Using Vehicular Cameras	2017
40	A Low-Complexity Vision-Based System for Real-Time Traffic Monitoring	2017
41	Nighttime Vehicle Detection Based on Bio-Inspired Image Enhancement and Weighted Score Level Feature Fusion	2017
42	Counting vehicles in urban traffic scenes using foreground time-spatial images	2017
MATLAB BASED SELF-DEFENCE AND DIGITAL SURVEILLANCE (SDDS)		
43	Dual Deep Network for Visual Tracking	2017
44	Towards Abnormal Trajectory and Event Detection in Video Surveillance	2017
45	K-means based multiple objects tracking with long-term occlusion handling	2017
46	Universal Multimode Background Subtraction	2017
47	Anomaly Detection in Traffic Scenes via Spatial-Aware Motion Reconstruction	2017
MATLAB BASED HUMAN MACHINE INTERFACE		
48	Metaphoric Hand Gestures for Orientation Aware VR Object Manipulation With an Egocentric Viewpoint	2017
49	A Finger Vein Image-Based Personal Identification System With Self-Adaptive Illuminance Control	2017
50	A Robust and Efficient Approach to License Plate Detection (IEEE 2017).	2017
51	Towards Detection of Bus Driver Fatigue Based on Robust Visual Analysis of Eye State. (IEEE 2017).	2017
52	Real-Time Bidirectional Traffic Flow Parameter Estimation From Aerial Videos. (IEEE 2017).	2017
MATLAB BASED SMART FARMING		
53	Automatic Fruit Quality Inspection System	2017
54	Plant Disease Detection using Digital Image Processing and GSM	2017
55	Automatic Weed Detection And Smart Herbicide Spray Robot For Corn Fields	2017
MATLAB BASED INDUSTRIAL AUTOMATION AND CONTROL		
56	Crack Detection and Parameters Estimation on Road Images: Review	2017
57	EBSCam: Background Subtraction for Ubiquitous Computing	2017
58	Real-time multi-feature based fire flame detection in video	2017
59	Deep Multitask Learning for Railway Track Inspection	2017

IEEE MATLAB 2016-2017 PROJECT LIST

BIO MEDICAL

1	Image Segmentation By Using Thresholding Techniques For Medical Images	2016
2	A Survey on Medical Image Compression Using Hybrid Technique	2015
3	Image Registration using PSO and APSO: A Comparative Analysis	2015
4	Image Restoration of Medical Images using Patch Based Sparse Representation with Non-Convex Hybrid Total Variation	2015
5	Image Segmentation using Morphological Operations	2015
6	Speckle Noise Reduction in Ultrasound Images – A Review	2015
7	Adaptive Neuro-fuzzy Inference System for Recognition of Cotton Leaf Diseases	2014

IMAGE DENOISING

8	A Decomposition Framework for Image Denoising Algorithms	2016
9	Contrast Sensitivity of the Wavelet, Dual Tree Complex Wavelet, Curvelet, and Steerable Pyramid Transforms	2016
10	FAST: Free Adaptive Super-Resolution via Transfer for Compressed Videos	2016
11	FRESH— FRI-Based Single-Image Super-Resolution Algorithm	2016
12	Improvement to Blind Image Denoising by Using Local Pixel Grouping with SVD	2016
13	Local Spectral Component Decomposition for Multi-Channel Image Denoising	2016
14	Shapes From Pixels	2016
15	Spatio-Temporal Rich Model-Based Video Steganalysis on Cross Sections of Motion Vector Planes	2016
16	A Fast Single Image Haze Removal Algorithm Using Color Attenuation Prior	2015
17	Image Denoising With Edge-Preserving and Segmentation Based on Mask NHA	2015
18	Vector Sparse Representation of Color Image Using Quaternion Matrix Analysis	2015

SPEECH PROCESSING

19	Adaptive Image Denoising by Mixture Adaptation	
20	Directly Modeling Voiced And Unvoiced Components In Speech Waveforms By Neural Networks	
21	Speech Recognition: An Approach to Modernization (2015)	
22	The Matching-Minimization Algorithm, The Inca Algorithm And A Mathematical Framework For Voice Conversion With Unaligned Corpora.	

WIRELESS SENSOR NETWORK

23	A Novel Clustering Algorithm For Coverage A Large Scale In Wireless Sensor Networks	2016
24	A Novel Approach to Enhance TCP Throughput in Wireless Sensor Networks	2016
25	A Study On Leach Protocols and Its Variants in Wireless Sensor Networks	2016
26	Call for Papers for Ad-hoc and Sensor Networks Symposium	2016
27	Compressive Data Gathering for Large-Scale Wireless Sensor Networks	
28	Context Aware Wireless Sensor Network Suitable for Precision Agriculture	
29	Efficient Encryption Protocol for Wireless Sensor Networks Using One-Time Pads	2016
30	On Connected Target k-Coverage in Heterogeneous Wireless Sensor Networks	2016
31	Optimization of Mobile Agent using Genetic Algorithm in Wireless Sensor Network	2016
32	Power Efficient Scheduled-Based Medium Access Control Protocol over Wireless Sensor Networks	2016

IEEE 2017-2018 NS2 PROJECT LIST

WSN, MANETS

1	A Delay-Sensitive Multicast Protocol for Network Capacity Enhancement in Multirate MANETs	
2	A Novel Approach for Efficient Usage of Intrusion Detection System in Mobile Ad Hoc Networks	
3	Contradiction Based Gray-Hole Attack Minimization for Ad-Hoc Networks	
4	Delay Analytical Models for Opportunistic Routing in Wireless Ad Hoc Networks	
5	Energy Efficient Multipath Routing Protocol for Mobile ad-hoc Network Using the Fitness Function	
6	Fine-Grained Analysis of Packet Loss in MANETs	
7	SUPERMAN: Security Using Pre-Existing Routing for Mobile Ad hoc Networks	
8	A Distributed Delay-Efficient Data Aggregation Scheduling for Duty-cycled WSNs	
9	A Joint Routing and MAC Protocol for Transmission Delay Reduction in Many-to-One Communication Paradigm for Wireless Sensor Networks	
10	A Self-Adaptive Sleep/Wake-Up Scheduling Approach for Wireless Sensor Networks	

11	E2HRC: An Energy-Efficient Heterogeneous Ring Clustering Routing Protocol for Wireless Sensor Networks	
12	Energy Efficient Clustering Algorithm for Multi-Hop Wireless Sensor Network Using Type-2 Fuzzy Logic	
13	Load Balanced Coverage with Graded Node Deployment in Wireless Sensor Networks	
14	Load-Balanced Opportunistic Routing for Duty-Cycled Wireless Sensor Networks	
15	Low-Cost Collaborative Mobile Charging for Large-Scale Wireless Sensor Networks	
16	Near Optimal Data Gathering in Rechargeable Sensor Networks with a Mobile Sink	
17	Optimal Privacy-Preserving Probabilistic Routing for Wireless Networks	
18	Optimization of Watchdog Selection in Wireless Sensor Networks	
19	QoS-Aware and Heterogeneously Clustered Routing Protocol for Wireless Sensor Networks	
20	Routing Protocol for Wireless sensor networks Using Swarm intelligence-ACO with ECP SOA	
21	SEND: A Situation-Aware Emergency Navigation Algorithm with Sensor Networks	
22	Speed Up-Greedy Perimeter Stateless Routing Protocol for Wireless Sensor Networks (SU-GPSR)	
23	A Secure and Efficient ID-Based Aggregate Signature Scheme for Wireless Sensor Networks	
24	Contradiction Based Gray-Hole Attack Minimization for Ad-Hoc Networks	
25	Routing in Mobile Ad-Hoc Networks using Social Tie Strengths and Mobility Plans CRCMD&R: Cluster and Reputation based Cooperative Malicious Node Detection & Removal Scheme in MANETs.	
26	TEEM: Trust-based Energy-Efficient Distributed Monitoring for Mobile Ad-hoc Networks.	
27	Research on Trust Sensing based Secure Routing Mechanism for Wireless Sensor Network .	
28	A Wireless Sensor Network Border Monitoring System: Deployment Issues and Routing Protocols	
29	A Game-theoretic Approach to Fake-Acknowledgment Attack on Cyber- Physical Systems.	
30	Resilience of DoS Attacks in Designing Anonymous User Authentication Protocol for Wireless Sensor Networks	
31	Secure and Energy-Efficient Data Transmission System Based on Chaotic Compressive Sensing in Body-to-Body Networks.	
32	Cost-Effective Mapping Between Wireless Body Area Networks and Cloud Service Providers Based on Multi-Stage Bargaining	
33	Quality of Service for MANET based Smart cities	
34	Low Power Wide Area Network Analysis: Can LoRa Scale?	

IEEE 2016 NS2 PROJECT LIST

WIRELESS SENSOR NETWORKS

1	Energy-Efficient Adaptive Forwarding Scheme For MANETs	
2	Optimized GAF Protocol Based Sleep/Awake Protocol For WSN to Improve Network Lifetime.	
3	Performance Assessment of Reactive Routing Protocols in Mobile Ad-Hoc Networks Under CBR Traffic Using NS2	
4	Detecting and Avoiding of Collaborative Black Hole Attack on MANET Using Trusted AODV Routing Algorithm	
5	Solving Traffic Congestion? An Application of VANET	
6	Attacks Against AODV Routing Protocol in Mobile Ad-Hoc Networks	
7	Adaptive Energy Efficient MAC Protocol for Increasing Life of Sensor Nodes in Wireless Body Area Network	
8	Movement Based or Neighbor Based Technique for Preventing Wormhole Attack in MANET	
9	Secured and Energy Efficient Architecture for Sensor Networks	
10	Modeling Optimal Dynamic Scheduling for Energy-Aware Workload Distribution in Wireless Sensor Networks	
11	A Connectivity-Aware Approximation Algorithm for Relay Node Placement in Wireless Sensor Networks	
12	A Load Balancing Multi-Relay Selection Scheme of Debris Flow Monitoring	
13	Simulation an Art of Performance Evaluation in Wireless Sensor Networks	
14	Efficient Energy Management in Mobile MIMO Cooperative Sensor Networks (M-MCSN)	
15	A Multi-Channel Cooperative MIMO Routing Protocol For Clustered WSNs	
16	Mitigating Denial of Service Attacks in OLSR Protocol Using Fictitious Nodes	
17	Detecting Node Failures in Mobile Wireless Networks: A Probabilistic Approach	
18	Detecting Colluding Black Hole and Grey Hole Attacks in Delay Tolerant Network	
19	Cluster-Based Routing for the Mobile Sink in Wireless Sensor Networks With Obstacle	
20	DaGCM A Concurrent Data Uploading Framework for Mobile Data Gathering in Wireless Sensor Networks	
21	Active Trust Secure and Trustable Routing in Wireless Sensor Networks	
22	CANS Towards Congestion-Adaptive and Small Stretch Emergency Navigation with WSNs	
23	Reliable and Efficient Data Acquisition in WSN in the Presence of Trans faulty Nodes	
24	Dynamic Cluster Head Selection Method for Wireless Sensor Network	
25	Location Aware Sensor Routing Protocol For Mobile Wireless Sensor Networks	
26	A Novel Approach for Efficient Usage of Intrusion Detection System in Mobile Ad Hoc Networks	

27	Energy Efficiency Optimization for Mobile Ad Hoc Networks	
28	Bandwidth-Aware High-Throughput Routing with Successive Interference Cancellation in Multihop Wireless Networks	
29	Mobile Sink-Based Adaptive Immune Energy- Efficient Clustering Protocol for Improving the Lifetime and Stability Period of Wireless Sensor Networks	
30	Energy, Link Stability and Queue aware OLSR for Mobile Ad Hoc Network	
31	Evaluating Performance of OLSR Routing Protocol for Multimedia Traffic in MANET using NS2	
32	An Efficient Cluster-Tree Based Data Collection Scheme for Large Mobile Wireless Sensor Networks	
33	Extending Wireless Sensor Network Lifetime With Global Energy Balance	
34	A Greedy Algorithm in WSNs for Maximum Network Lifetime and Communication Reliability	
35	A Distributed Approach to Construct Hierarchical Structure for Routing with Balanced Energy Consumption in WSNs	
36	Efficient Coverage and Connectivity Preservation With Load Balance for Wireless Sensor Networks	
37	Effect Analysis of Black Hole Attack of AODV Protocol in MANET using Table Driven Approach	
38	A Congestion Control Algorithm for Mobility Model in Mobile Ad-hoc Networks	
39	Investigating the Impact of Black Hole Attack on AODV Routing Protocol in MANETS under Responsive and Non-Responsive Traffic	
40	Detection of Black Hole Attack using Control Packets in AODV Protocol for MANET	
41	A New Enhanced Energy Efficient Position based Routing Protocol for Mobile Adhoc Network	
42	Enhance the Efficiency Routing between Mobile Nodes in MANET Networks	
43	Improving the Life of the Wireless Sensor Network using Energy Harvesting Clustering.	

IoT

44	An Efficient Tree-Based Self-Organizing Protocol for Internet of Things	
45	Energy Aware Communication Between Smart IoT Monitoring Devices	
46	Performance Study of Co-Located IEEE 802.15.4-TSCH Networks: Interference and Coexistence	
47	No-Cost Distance Estimation Using Standard WSN Radios	
48	Energy-Efficient Content-Based Routing in Internet of Things	
49	An Extensive Review: Internet of Things is Speeding up the Necessity for 5G	
50	Tree Based Energy Efficient Routing Scheme for Body Area Network	
51	Routing Protocols Analysis for Internet of Things	

FANETS and DRONES

52	Flying Ad-Hoc Networks: Technological and Social Implications	
53	On the Routing in Flying Ad Hoc Networks	
54	Location Information Sharing With Multi Token Circulation in Flying Ad Hoc Networks	
55	Dynamic Routing for Flying Ad Hoc Networks	
56	Experimental Analysis of AODV, DSDV and OLSR Routing Protocol for Flying Ad Hoc Networks (FANETs)	

VANETS

57	An Adaptive Multipath Geographic Routing for Video Transmission in Urban VANETs	
58	Efficient and Secure Authentication Scheme with Conditional Privacy-Preserving for VANETs	
59	An Enhanced Directional Greedy Forwarding for VANETs Using Link Quality Estimation	
60	Congestion Control in VANETs Using Re-routing Algorithm	
61	Dynamic Topology Characteristics of VANETs in Fading Channels	

ME ECE,EEE, BIO MEDICAL, INSTRUMENTATION, TELECOMMUNICATION PROJECT TITLES

IOT – AMAZON CLOUD SERVER (WEB SERVICES)

1	479_IoT Based Smart Geyser Automation wrt Environment Condition to Save Electricity	
2	495_IOT based Novel Low-Cost Sensor for Human Bite Force Measurement	
3	492_IOT - Smart Seating Management in Public Bus Transportation using IoT and Embedded system	
4	423_IOT_Airport Baggage Conveyor and Voice notification using Android Technology	
5	431_IOT Based Underground Cable Fault Detection	
6	418_IOT-An Internet-of-Things Enabled Connected Navigation System for Urban Bus Riders	
7	321_IOT based irrigation system with without internet and pump set control with status notification	
8	228_IOT-HIVE Home Automation System for Intrusion Detection	
9	195_IOT - Evidence Collection in Automotive Industry for Legal Claim	
10	200_IOT-Intelligent Smart Traffic Management for Ambulance using RFID	
11	228_IOT-HIVE Home Automation and Security System	

12	402_IOT based Structural Health Monitoring of Flyovers	
13	454_IOT Ayurvedic Medicine Beetel Leaf Vine Cultivation using IoT & Wireless Sensor Network	
14	347_IoT based Refrigerator, Storage room and FMCG products stock monitoring with Email alert of Purchase Order	
15	366_IOT based semi-automated rash driving detection by using Accelerometer sensors	
16	405_IOT-Intelligent Food and Grain Storage Management System for Warehouse	
17	376_IOT - ER Lock - Intelligent Anti-Theft Tracking and Accident Detection System for Automobiles Based on IOT	
18	380_IOT-Electricity Energy Unit limits Per SqFt Land – Resource management responsibility per family	
19	459_IOT based Garbage and Street Light Monitoring System	
20	460_IoT & Android based On-Street and Off-Street Parking Availability Prediction & Space Reservation	
21	459_IOT Based Monitoring and Smart Planning of Urban Solid Waste Management	
22	484_IOT - RESIDENCE ENERGY CONTROL SYSTEM BASED ON WIRELESS SMART SOCKET AND IOT	
23	454_IOT Ayurvedic medicine Tulsi, Mint, Turmeric Land Farming with IoT & Wireless Sensor Network	

IEEE 2017 EMBEDDED PROJECT TITLES

24	17_1_ IEEE_Ad world – Useless Space, Endless Opportunity - Analysis and Prediction of Visitors.	
25	17_2_63_ IEEE_IOT- Industrial CAN Analyzer For Production QC.	
26	17_3_107_ IEEE_IoT based Smart Greenhouse	
27	17_4_ IEEE_Robotic Fire Detector, Extinguisher, Analyzer and Emergency Alert	
28	17_5_459_ IEEE_Dynamic Solid Waste Collection and Management	
29	17_6_ IEEE_Design and Implementation of a Fingerprint Based Lock System for Shared Access	
30	17_7_ IEEE_IOT – CLCTO – Co-operative Logistics Cargo Transport Optimization	
31	17_8_ IEEE_Blister Testing in Drug Industry	
32	17_9_477_ Campus Navigator with Speech Assistance	
33	17_10_367_ IEEE_Posture Analysis - Physical Activity and Behaviour Recognition	
34	17_11_469_ IEEE_ECG_Prototype Development of Monitoring System in Patient Infusion with Wireless Sensor	

NETWORK EMBEDDED BASED PROJECTS

35	17_12_284_ IEEE_Terrian Mapping - Towards Automated Map Updating for Mobile Robot Localization	
36	17_13_Android - Design and Implementation of Automated Blood Bank using Embedded Systems	
37	17_13_Raspberry-Pi Based Embedded Blood Donating Application	
38	17_14_ IEEE_Automated Lighting System for Park Pathways	
39	17_15_ IEEE_Efficient Remote Control System using SMS Technology for Outdoor Security Lighting Applications	
40	17_16_46_ IEEE_Development of Intelligent Power Wheelchair	
41	17_17_94_ IEEE_A New Approach for Designing a Smart Glove for Sign Language Recognition	
42	17_18_Smart Traffic Control System Using Image Processing	
43	17_19_ IEEE_Wearable Enabling Human Cloud Integration in Next Generation Healthcare Systems	
44	17_20_Anti-Piracy Screen	
45	17_20_ IEEE_Movie Piracy Tracking using Temporal Psycho visual	
46	17_21_Talking Energy Meter	
47	17_22_IOT - Bellandur Lake - Analysis and Metering of Industrial Waste Water	
48	17_26_IOT-Industrial Breath Exhale	

RASPBERRY PI BASED PROJECTS

49	PI1_Raspberry PI Based Wireless Electronic Notice Board	
50	PI2_Raspberry PI based implementation of digital advertise boarding with email alert to end customer	
51	PI3_Raspberry PI - IEEE - An Implementation of Digital Advertising Board Using Mini PC	
52	PI4_IOT - Raspberry PI Based Global Industrial Process Monitoring Through Wireless Communication	
53	PI5_Raspberry PI Based Global Industrial Process Monitoring Through Wireless Communication	
54	PI6_Raspberry PI- IEEE - HIVE Home Automation and Security System	
55	PI7_Raspberry PI- Remote Virtual Lab Access and capturing physical image of laboratory	
56	PI8_Raspberry PI - Gesture based Email Access and Voice Command for Blind and Dumb	
57	PI9_Raspberry PI Based Deadly School Van Monitoring System with E-mail Alert	
58	PI10_Raspberry PI - Job Vacancy? Handicap, Drop your Resume	

INNOVATIVE PROJECTS

59	329_IOT – ChargetSpot	
60	IOT based Delivery Boys Safety Control and Bike Analyzer	
61	Job Vacancy? Handicap, Drop your Resume	
62	Swatch Abhiyan - Door-to-Door Pickup of Household Hazardous Waste	
63	195_Evidence Collection in Automotive Industry for Legal Claim – Min	
64	3_Implementing Peripherals Using 32-BIT ARM uC	
65	7_Implementing Peripherals Using 8051 uC	
66	21_Android based Sign Board Detection with Image & Voice Alert System	
67	21_Application of RF Technology to Solve Traffic Signal Scheduling by Monitoring the Vehicle Intensity in the Particular Road	
68	50_Airport Electronic Passport System and Toll Collection System Using RFID Technology	
69	73_student attendance management system	
70	89_Remote Airfield Lighting System	
71	122_Hitech Jail	
72	194_Microcontroller Based Auto College Bell With Speaker Announcement	
73	195_Evidence Collection in Automotive Industry for Legal Claim	
74	197_Automatic Shuttling of Metro Train between Stations	
75	200_Implementing Intelligent Traffic Control System for Congestion Control, Ambulance Clearance, and Stolen Vehicle Detection	
76	201_Integrated and Automated Vehicle Bay Arrangement System to Avoid Congestion in a Public Parking Area	
77	210_Real Time Automation In Paddy Field With Security	
78	211_Fault detection and correction of AC motor	
79	215_Automatic Visitor Count with Room Light Control	
80	220_Customised Wireless Sensor Node to Detect Hazardous Gas Pipeline Leakage	
81	238_An Automatic Embedded Toll Plaza with Document Verification and Speed Detection System	
82	240_Wireless power theft, overvoltage and overload monitoring system	
83	256_Aadhar Card based Biometrics Electronic Voting System with Embedded Security Along With Remote Access	
84	256_Biometrics Using Electronic Voting Sys with Embedded Security Along With Remote Access and Threaten Alert to Election Board	
85	257_Design and Implementation of a Power Converter for Electric Bike with Charging Feature	
86	271_Intelligent Wireless Connectivity within an Internal Home Network using Renesas RL78 Microcontroller	
87	275_Wireless Speed Control of Single Phase AC Induction Motor	
88	276_GSM Based Industrial Disaster Intimation Control System (GIDICS)	
90	281_GPS based virtual fencing	
91	284_IEEE_Terrian Mapping - Towards Automated Map Updating for Mobile Robot Localization	
92	285_Train Collision Avoidance Using Vibration Sensor & Micro-Controller	
93	294_Attitude and Heading Reference (AHRS) System for Aerospace application	
94	298_Density Based Traffic Signal Control & Intelligent Ambulance For City Traffic with Zigbee communication	
95	313_E Glove- Palm and Fingerprint sensor gesture based for Pick and Place remotely using RF Transmitter and Receiver	
96	315_Solar powered house and transmitting the extra power to the government mains	
97	317_Tracking and Information gathering system using GPS and GSM Technology	
98	318_Satellite and RF Enabled Assistance for Marine Navigation	
99	319_Renesas Based Renewable energy - 12V DC Power generation using Back EMF & Solar for LED load	
100	321_Bird - Solar Powered Irrigation with auto control of pump & SMS alert	
101	321_Solar powered Irrigation with auto control of pump & SMS alert	
102	325_speech based high alert building automation and security alert through android with earthquake alert	
103	326_Speech based control & alert system for senior citizens using android mobile	
104	329_coin based universal mobile battery charger using solar panel	
105	329_Coin Based Universal Mobile Battery Charger, Purified Drinking Water with Emergency Alert System	
106	329_Coin Based Universal Mobile Battery Charger	
107	333_IOT - Web Laboratory- Remote Virtual Lab Access With Graph Generation.	
108	343_A Review on Design of Automated Floor Cleaning System	
109	343_Autonomus Cleaning Robot	
110	350_GPS based child tracking with server & SMS alert to parents	
111	356_Rotating solar system for automobiles with Boost & charge control	
112	357_Eye-Blink Control to Navigate a Wheel Chair of a Paralyzed Individual	

113	362_Human Detection In Natural Disaster using ANDROID Technology	
114	366_A_MEMS Accelerometer sensors based semi-automated rash driving	
115	366_MEMS Accelerometer sensors based semi-automated rash driving & traffic signal jump detection unit	
116	366_Rash Driving Detection And Collision(Accident) Avoidance System With Steering Controlled Headlight Mechanism Of Vehicles.	
117	367_Physical Activity and Behaviour Recognition of One-Two Year Old Child with Real time data collection for Doctors Observation	
118	372_Implementation of the Driver Drowsiness Detection System	
119	373_Energy Efficient Led Lighting System For Commercial Purpose	
120	374_Automated System In Public Places Having Multiple Applications	
121	375_Remote Control System of High Efficiency and Intelligent Street Lighting using Android Server	
122	379_Designing a complete vehicle immobilization system integrated with a personalized alert mechanism	
123	380_Theft_Electricity Energy Unit limits Per SqFt Land – Resource management responsibility per family	
124	381_Android - Gesture based Email Access and Voice Command for Blind and Dumb	
125	381_Hand gesture based communication for Military and Patient Application	
126	381_Real time communication between dumb, deaf and blind people using voice & gesture with Android	
127	381_Real time communication between dumb, deaf and blind people using voice & gesture with Matlab	
128	390_Embedded System Based Eye Movement & Gesture based Communicating for Paralyzed Person	
129	391_Passenger BUS Alert System for Easy Navigation of Blind	
130	391_Passenger BUS Alert System for Easy Navigation with Speech Recognition	
131	391_Speech Recognition based Passenger Bus Alert System for Senior Citizens	
132	392_Smart Device for Optimal Use of Stored Renewable Power with Automatic Switching using Matlab	
133	396_Low Power Wireless Sensor Network For Building Monitoring	
134	396_Micro-Electronics Methodology for Automation of Factory Using Integrated Networks on a Wireless Media	
135	397_Design And Development Of Fall Detector Using Fall Acceleration	
136	398_Intelligent Radio Frequency Identification Technology in Academic Management System	
137	400_Design of an Environmental Monitoring for Applications	
138	401_Heavy Vehicle Alert & Intimation System For Traffic Police Using Load Sensor Using GSM	
139	402_Bridge Condition Monitoring System Using Wireless Network	
140	404_Android application voice output based anti-fuel theft system for vehicles with alarm	
141	404_Central Locking Control using Android Application with Fuel Theft Voice Alert	
142	404_Headlight Central Locking Control using Android Application with Fuel Theft Voice Alert	
143	404_Rash Drive - Central Locking Control using Android Application and Rash Driving Monitoring	
144	404_RFID Central Locking Control using Android Application with Fuel Theft Voice Alert	
145	405_(Motor)Intelligent Food Management System-Maintenance of Agro and Non-Agro Foods in Cold Storage Warehouse	
146	405_Intelligent Food Management System-Maintenance of Agro and Non-Agro Foods in Cold Storage Warehouse	
147	406_An Environmental Pollution Detection Systems in Automobiles using Control System Automation with Renesas RL78	
148	407_Fire Avoidance and Electric Circuit Breaker System in Train along with Alerting Approaching Station	
149	408_Pedestrians Safety, Anti Acceleration and Image Indication of Highway Sign Board with Speech Alert	
150	411_Design and Implementation of Client-Server based Remote Machine Control System using Web Services for Industrial applications	
151	416_Automatic Ration Material Distributions Based on GSM and Finger Print Scanner Technology	
152	416_Monthly Glossary Distribution System based on Family Members Count using RFID as Unique ID card	
153	417_Advanced Passenger Security System for Radio Cabs with Video Transmission and Enhanced System Security with Biometric Module	
154	420_A Reconfigurable Smart Sensor Interface for Industrial WSN in IoT Environment using web server	
155	420_Industrial Data Acquisition System with Smart Wireless Sensor Interface based on Internet of Things using Wi-Fi Network	
156	421_Missile detection and automatic destroyer system	
157	422_On_Road Real Time Vehicle Emission CO2 Level Threshold Inspection With Email Alert Dotnet	
158	423_Airport Baggage Conveyor and Voice notification using Android Technology	
159	424_Wirless Communication, Monitoring and Security System Embedded Safety Helmet for Real Time Applications	
160	429_Substation Phase Controller for automatic load shedding with overload alert	
161	431_Underground Cable Fault Detection and Alert with Voice Commands using FN-M16P.	
162	433_WSN & MEMS Technology Based Attender Calling System	
163	435_IEEE_A System for Automatic Notification and Severity Estimation of Automotive Accidents	
164	437_E-Cradle for Infant Care with Android Speech alert for dangerous conditions	
165	437_Evaluation of Respiratory & Non-Respiratory Movements of Infants with Care taker voice using FN-M16P module	

166	438_Women Anti Rape Belt	
167	439_Fault Analysis and Electrical Protection of Distribution Transformer with FN-M16P MP3 Unit	
168	440_An Embedded system and RFID solution for transport related issues	
169	442_Enhancing Coal Mine Safety with Wireless Sensor Networks Using Bluetooth Technology	
170	443_Android_Robust Railway Crack Detection Scheme (RRCDS) Using LED-LDR Assembly	
171	443_Robust Railway Crack Detection Scheme (RRCDS) Using LED-LDR Assembly	
172	445_Automatic Transformer Load sharing system with SMS Altering	
173	445_GSM BASED POWER SHARING OF TRANSFORMER WITH AUTOMATIC LOAD SHEDDING SYSTEM	
174	449_Design and Development of Object Recognition and Sorting Robot for Material Handling in Packaging and Logistic Industries	
175	451_Embedded Fuzzy ZigBee Based Irrigation System for Home Gardens	
176	452_Controlling of Electrical Devices with Automatic Active Phase Selector	
177	452_Remote Monitoring and Controlling of Electrical Devices with Automatic Active Phase Selector	
178	459_Android - An Approach for Monitoring and Smart Planning of Urban Solid Waste Management	
179	459_Garbage and Street Light Monitoring System with Automatic Door Mechanism	
180	460_Android based On-Street and Off-Street Parking Availability Prediction & Space Reservation	
181	460_Smart Parking for College using RFID Technology	
182	461_Design and Fabrication of Liquid Dispensing Machine Using Automatic Control for Engg Industry	
183	463_Android - Implementation of Smart City Management System with Speech alert	
184	463_SMART CITY AND MANAGEMENT - Parking, Disaster, Waste Management	
185	463_SMART CITY MANAGEMENT - Traffic System, Ambulance & Street Light	
186	469_Prototype Development of Monitoring System in Patient Infusion with Wireless Sensor Network	
187	471_Android-GreenCharge Managing Renewable Energy in Smart Buildings	
188	472_Multiple Account Automated Biometric Based Access in Automatic Teller Machine – ATM	
189	474_Dual Axis Control and Remote Alignment of Dish Positioning by Android Application	
190	475_An RFID based Smartphone Proximity Absence	
191	476_Antismuggling System for Trees in Forest with Solar power generation	
192	479_Wireless power theft, overvoltage and overload monitoring system And geyser automation	
193	481_GPS based vehicle toll collection system	
194	485_Alternate Energy from Busy Road for Development of Smart City - Thermal & Piezo	
195	485_Alternate Energy from Busy Road for Development of Smart City	
196	486_Android Based Deadly School Van Monitoring System with Speech Alert	
197	487_Android-Design and Development of an Authentication Device for Examination using Fingerprints	
198	489_Biometric and Laser Based Safe Locker Security System	
199	490_Android - Design and Implementation of Automated Blood Bank using Embedded Systems	
200	491_Research and Design of Embedded Timber Drying Monitoring System	
201	498_Design And Implementation Of Driverless Car To Recognize Traffic Signs Using MATLAB And Android Device IP Camera	
ROBOTICS		
202	480_AmbuBot - Robotic Automated External Defibrillator Ambulance for Emergency Medical Service in Smart Cities	
203	46_Gesture and Speech based wheel chair control for physically challenged person using Android Bluetooth technology	
204	453_Automated Waste Segregator	
205	189_Conveyor System Automated Restaurant Management System	
206	87_Bluetooth embedded robotic agriculture plowing, seeding and grass cutting powered by solar energy	
207	468_Pot hole detection sensor robot notifying its location to the local authority via android	
208	249_Automatic and intelligent car motion	
209	223_Automated Book Picking Robot for Libraries	
210	189_Robotic automated food service provider is hotel with android based individual menu system	
211	214_Android - Design of an Intelligent Combat Robot for war field	
212	249_Unmanned autonomous vehicle control	
213	46_Speech based wheel chair control for physically challenged person using Android Bluetooth technology	
214	192_MAZE ROBOT	
215	87_BlueTooth embedded robotic lawn mover powered by solar energy	
216	164_IOT Based Multi Function War Assistance Robot	
217	110_Embedded LAND ROVER with Sensor Interface with ZigBee Technology	
218	114_Flex & Acceleration used Hand Gesture control of Robot with MP3 Voice output	

219	114_Hand Gesture based Robot control with Pick and Place Operation using Accelerometer	
220	145_multicontrol_robot	
221	169_Two Axis Based Solar Tracking for Power Conservation in Irrigation System	
222	173_Industrial Conveyor Batch Counter for Packing Automation	
223	87_Seed Sowing Plowing and Waste Grass Cutting Robot with Android Application	
BIOMEDICAL & MEDICAL APPLICATIONS		
224	403_Android based Monitoring Human Knee Joint Movement Using Wearable Computing	
225	478_Embed_Rapid Entire Body Postural Analysis Assessment Device for Computer Operators	
226	266_Operation Theatre Automation & Control (OTAC)	
227	180_Android - Electronic Stick and Android Smartphones to the Aid of Blindly Disabled Individuals	
228	92_Android based patient monitoring in hospitals and old ages at home	
229	109_IOT and E Glove based nurse calling system	
230	180_Ultrasonic Haptic Vision System For Blindly Disabled Individuals	
231	185_Accessible Electronic Interaction for People with Partial Paralysis	
232	185_Head movement based wireless communication with speech alert for Paralyzed Person	
233	270_NICU Monitoring	
234	495_Android based Novel Low-Cost Sensor for Human Bite Force Measurement	
235	46_Gesture and Speech based wheel chair control for physically challenged person using Android Bluetooth technology	
236	444_ANY TIME MEDICINE	
237	403_Android based Monitoring Human Insole Movement Using Wearable Computing	
238	446_Elderly person Activity Tracking Application using Android Smartphone	
239	495_Matlab based Novel Low-Cost Sensor for Human Bite Force Measurement	
240	478_Android_Rapid Entire Body Postural Analysis Assessment Device for Computer Operators	
241	46_Speech based wheel chair control for physically challenged person using Android Bluetooth technology	
242	180_Embedded- Electronic Stick for Vision Control of Pre-defined Area with FN-M16P Module Voice Alert	
AGRICULTURE & IRRIGATION		
243	454_IOT Ayurvedic Medicine Beetel Leaf Vine Cultivation using IoT & Wireless Sensor Network	
244	87_Bluetooth embedded robotic agriculture plowing, seeding and grass cutting powered by solar energy	
245	87_Seed Sowing Plowing and Waste Grass Cutting Robot with Android Application	
246	454_IOT Ayurvedic medicine Tulsi, Mint, Turmeric Land Farming with IoT & Wireless Sensor Network	
247	458_Crop Leaf Area Index Observations with a Wireless Sensor Network and Its Potential for Validating Remote Sensing Products	
248	87_BlueTooth embedded robotic lawn mover powered by solar energy	
SECURITY SYSTEM, BIOMETRICS		
249	1_Invisible Eye – An advanced Security System Using Web Camera	
CAN PROTOCOL		
250	464_Design & Implementation of Smart City Using Controlled Area Network Protocol for Controlling Purpose	
251	466_CAN based control unit for a Novel Reconfigurable Micro grid Architecture with Renewable Energy Sources	
252	425_Vehicle Control for Pedestrians Safety Using CAN Protocol For Implementing the Intelligent Braking System	
253	63_CAN Test Analyzer for quality testing in Automobile Production Plant with Authorized Report Generation	
254	249_Co-Operative Adaptive Cruise Control (CACC) Based On CAN Protocol Using Microchip	
255	425_Vehicle Control Using CAN Protocol For Implementing the Intelligent Braking System	
M.E ELECTRICAL PROJECTS		
256	1_Invisible Eye – An advanced Security System Using Web Camera	
257	3_Implementing Peripherals Using 32-BIT ARM uC	
258	7_Implementing Peripherals Using 8051 uC	
259	8_Temperature And Humidity Control System Using Graphic LCD And ARM Controller	
260	21_Android based Sign Board Detection with Image & Voice Alert System	
261	21_Application of RF Technology to Solve Traffic Signal Scheduling by Monitoring the Vehicle Intensity in the Particular Road	
262	39_Fire Sensing Robot	
263	45_GSM Based LED Notice Board	
264	46_Gesture and Speech based wheel chair control for physically challenged person using Android Bluetooth technology	
265	46_Speech based wheel chair control for physically challenged person using Android Bluetooth technology	
266	62_Fire Sensing Robot With RF And Alarm	

267	64_Dialy SMS Report Based Prepaid & Postpaid Energy Meter	
268	64_Dialy SMS Report Based Prepaid Energy Meter	
269	65_Laser based assert monitoring system	
270	69_Single Axis Solar Panel Controller And Power Optimization	
271	73_student attendance management system	
272	75_SMS Based DC Motor Speed Control	
273	76_Sms Based AC Motor Speed Control	
274	77_Simple radar system with border security system	
275	80_Wireless Transformer Parameter Measurement And Protection	
276	81_Earthquake Disaster Rescue Robot	
277	82_SMS Based Notice Board Using GSM & LCD With Period Bell	
278	83_Intelligent Energy Saving System In Libraries	
279	84_Street Light Power Saver	
280	87_Bluetooth embedded robotic agriculture plowing, seeding and grass cutting powered by solar energy	
281	87_Bluetooth embedded robotic lawn mover powered by solar energy	
282	87_Seed Sowing Plowing and Waste Grass Cutting Robot with Android Application	
283	106_Planet Rover Using RF	
284	122_Hitech Jail	
285	125_Zigbee Wireless Power Management Unit For Energy Meter	
286	139_Automatic Street Light Sensor With SMS Error Report	
287	151_Design and Implementation of Pyroelectric Infrared Sensor based Security System	
288	165_Intelligent Remotely Device Controlled System for Industrial Electrical Appliances through Zigbee Wireless Networks	
289	169_2 Axis Stepper Motor Control For Solar Panel With Power Optimization	
290	169_Two Axis Based Solar Tracking for Power Conservation in Irrigation System	
291	173_Industrial Conveyor Batch Counter for Packing Automation	
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293	184_Automatic Speed Breaking Systems For Vehicles	
294	189_Conveyyor System Automated Restaurant Management System	
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296	196_EM - More Efficient Home Energy Management System Based on ZigBee Communication and Infrared Remote Controls	
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298	201_Integrated and Automated Vehicle Bay Arrangement System to Avoid Congestion in a Public Parking Area	
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302	211_Fault Detection And Correction Of DC Motor	
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320	321_Solar powered Irrigation with auto control of pump & SMS alert	

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322	325_speech based high alert building automation and security alert through android with earthquake alert	
323	329_coin based universal mobile battery charger using solar panel	
324	329_Coin Based Universal Mobile Battery Charger, Purified Drinking Water with Emergency Alert System	
325	343_A Review on Design of Automated Floor Cleaning System	
326	343_Autonomus Cleaning Robot	
327	345_Android based water quality monitoring	
328	346_Automatic Dim & Dipper For Automobiles	
329	347_IoT based Refrigerator, Storage room and FMCG products stock monitoring with Email alert of Purchase Order	
330	348_PC Based Multiple Sensor Tester For Industrial Production	
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335	374_Automated System In Public Places Having Multiple Applications	
336	375_Remote Control System of High Efficiency and Intelligent Street Lighting using Android Server	
337	376_ER Lock - Intelligent Anti-Theft Tracking and Accident Detection System for Automobiles Based on IOT	
338	378_Hardware Demonstration of a Home energy management system for demand response applications	
339	380_(Only GSM)_Electricity Energy Unit limits Per SqFt Land – Resource management responsibility per family	
340	380_IOT-Electricity Energy Unit limits Per Sqft Land – Resource management responsibility per family	
341	380_Theft_Electricity Energy Unit limits Per Sqft Land – Resource management responsibility per family	
342	382_Online Monitoring of Geological CO2 Storage and leakage based on wireless sensor networks	
343	392_Smart Device for Optimal Use of Stored Renewable Power with Automatic Switching using Matlab	
344	396_Low Power Wireless Sensor Network For Building Monitoring	
345	396_Micro-Electronics Methodology for Automation of Factory Using Integrated Networks on a Wireless Media	
346	407_Fire Avoidance and Electric Circuit Breaker System in Train along with Alerting Approaching Station	
347	411_Design and Implementation of Client-Server based Remote Machine Control System using Web Services for Industrial Applications	
348	420_A Reconfigurable Smart Sensor Interface for Industrial WSN in IoT Environment using web server	
349	420_Industrial Data Acquisition System with Smart Wireless Sensor Interface based on Internet of Things using Wi-Fi Network	
350	427_Electric Lineman Protection Using User Changeable Password Based Circuit Breaker	
351	429_Substation Phase Controller for automatic load shedding with overload alert	
352	431_IOT Based Underground Cable Fault Detection	
353	431_Underground Cable Fault Detection and Alert with Voice Commands using FN-M16P.	
354	439_Fault Analysis and Electrical Protection of Distribution Transformer with FN-M16P MP3 Unit	
355	443_Android_Robust Railway Crack Detection Scheme (RRCDS) Using LED-LDR Assembly	
356	445_Automatic Transformer Load sharing system with SMS Altering	
357	445_Gsm Based Power Sharing Of Transformer With Automatic Load Shedding System	
358	449_Design and Development of Object Recognition and Sorting Robot for Material Handling in Packaging and Logistic Industries	
359	452_Controlling of Electrical Devices with Automatic Active Phase Selector	
360	452_Remote Monitoring and Controlling of Electrical Devices with Automatic Active Phase Selector	
361	453_Automated Waste Segregator	
362	459_Android - An Approach for Monitoring and Smart Planning of Urban Solid Waste Management	
363	459_Garbage and Street Light Monitoring System with Automatic Door Mechanism	
364	459_IOT Based Monitoring and Smart Planning of Urban Solid Waste Management	
365	461_Design and Fabrication of Liquid Dispensing Machine Using Automatic Control for Engg Industry	
366	468_Pot hole detection sensor robot notifying its location to the local authority via android	
367	471_Android-GreenCharge Managing Renewable Energy in Smart Buildings	
368	471_GreenCharge Managing Renewable Energy in Smart Buildings	
369	473_A Novel Ground Fault Non-Directional Selective Protection	
370	473_Earth Fault relay for single phase system	
371	474_Dual Axis Control and Remote Alignment of Dish Positioning by Android Application	
372	475_An RFID based Smartphone Proximity Absence	
373	479_IoT Based Smart Geyser Automation wrt Environment Condition to Save Electricity	

374	479_ Wireless power theft, overvoltage and overload monitoring system And geyser automation	
375	482_ Solar Powered Electric Vehicle Charging Station	
376	484_ IOT - Residence Energy Control System Based On Wireless Smart Socket And IOT	
377	485_ Alternate Energy from Busy Road for Development of Smart City - Thermal & Piezo	
378	485_ Alternate Energy from Busy Road for Development of Smart City	
379	489_ Biometric and Laser Based Safe Locker Security System	
380	491_ Research and Design of Embedded Timber Drying Monitoring System	
381	494_ Automatic Power Factor Control	

RASPBERRY PI PROJECT TITLES

1	Raspberry PI Based Wireless Electronic Notice Board
2	Raspberry PI Based implementation of digital advertise boarding with email alert to end customer
3	Raspberry PI Based Global Industrial Process Monitoring Through Wireless Communication
4	Raspberry PI Based Deadly School Van Monitoring System with E-mail Alert
5	Raspberry PI IEEE - An Implementation of Digital Advertising Board Using Mini PC
6	Raspberry PI IEEE - HIVE Home Automation and Security System
7	Raspberry PI IOT Based Global Industrial Process Monitoring Through Wireless Communication
8	Raspberry PI Remote Virtual Lab Access and capturing physical image of laboratory
9	Raspberry PI Gesture based Email Access and Voice Command for Blind and Dumb
10	Wireless Sensor Network System using Raspberry Pi and Zigbee for Environmental Monitoring Applications
11	An Internet of Things Approach for Motion Detection using Raspberry Pi
12	Design of Tracked Robot with Remote Control for Surveillance
13	A Smart System Connecting e-Health Sensors and the Cloud
14	Web based Automatic Irrigation System using wireless sensor network and Embedded Linux board
15	WSN for traffic monitoring using Raspberry Pi board
16	Smart Home with vision based home surveillance system on Linux small computer.
17	Smart phone controlled robot over Bluetooth – raspberry Pi
18	GSM SMS controlled Robot – Raspberry Pi

M.E VLSI 2017-2018 PROJECT TITLES LIST

1	Comparative Study on Performance of Single Precision Floating Point Multiplier using Vedic Multiplier and different types of Adders
2	Programmable MISR modules for Logic BIST based VLSI testing
3	Design and Analysis of the high speed AES using Ancient Vedic Mathematics Novel Approach
4	Low Power BIST based Multiplier Design and Simulation using FPGA
5	Performance of Low Power BIST Architecture for UART
6	Design of a Hummingbird Crypto Core Implementing BIST Technique
7	A Review On Power Optimized TPG Using LP-LFSR for Low Power BIST
8	Design of less time delay Multiplier using Vedic mathematics
9	Performance analysis of multiplication operation based on Vedic mathematics
10	Design of an Efficient Multiplier Using Vedic Mathematics and Reversible Logic
11	Division Operation based on Vedic mathematics.
12	RTL Implementation and Analysis of Fixed Priority, Round Robin, and Matrix Arbiters for the NoC's Routers
13	Design and Implementation of High Speed Reconfigurable NoC Router
14	Design of Efficient NOC Router for Chip Multiprocessor
15	A Novel Architecture of Bidirectional NoC router Using Flexible buffer
16	Constructing Key Dependent Dynamic S-Box for AES Block Cipher System
17	Efficient Dynamic Virtual Channel Organization and Architecture for NoC Systems
18	Design and Implementation of Area-Efficient and Low-Power Configurable Booth-Multiplier
19	ElastiStore: Flexible Elastic Buffering for Virtual-Channel-Based Networks on Chip
20	Shield: A Reliable Network-On-Chip Router Architecture for Chip Multiprocessor
21	In-Field Test for Permanent Faults in FIFO Buffers of NoC Routers
22	A Methodology for Cognitive NoC Design
23	A Practical NoC Design for Parallel DES Computation
24	Iterative Architecture AES for Secure VLSI based System Design

25	VLSI Design of High Speed Vedic Multiplier for FPGA Implementation.
26	AES block cipher implementations with AMBA-AHB interface
27	Various Arbitration Algorithm for On-Chip(AMBA) Shared Bus Multi-Processor SoC
28	Design of AXI bus interface modules on FPGA
29	Finite State Machine based Arbiter for on chip Communication Architecture
30	Multi-Master Bus Interface Design using Efficient Lottery Bus Arbiter
31	Dynamic Virtual Channel and Index-based Arbitration based Network on Chip Router Architecture
32	Reducing FIFO Buffer Power Using Architectural Alternatives at RTL
33	A Holistic comparison of static VC Allocation versus Dynamic VC Allocation Based NoC Routers.
34	A comparative Study of Input Port and Crossbar Configurations in NoC Router Microarchitectures.
35	FPGA Implementation of an Efficient Router Architecture Based DMC.
36	Design and Implementation of High Speed Reconfigurable NoC Router.
37	FPGA Based Design of Area Efficient Router Architecture for Network on Chip (NoC).
38	Efficient Network on Chip (NoC) using heterogeneous circuit switched routers.
39	A Simple and Reliable System to Detect and Correct Setup/Hold Time Violations in Digital Circuits
40	Carry Speculative Adder with Variable Latency for Low Power VLSI
41	Design and Implementation of Area-Efficient and Low-Power Configurable Booth-Multiplier
42	Design of low power based VLSI architecture for constant multiplier and high speed implementation using retiming technique
43	Digital LDO with Time-Interleaved Comparators for Fast Response and Low Ripple
44	Energy-Efficient VLSI Realization of Binary64 Division With Redundant Number Systems
45	Interlaced Partition Multiplier
46	Iterative Architecture AES for Secure VLSI based System Design
47	Low Cost VLSI Architecture for Sample Adaptive Offset Encoder in HEVC
48	Low-Cost High-Performance VLSI Architecture for Montgomery Modular Multiplication
49	Network-on-Chip for Turbo Decoders
50	Seamlessly Pipelined Shift-and-Add Circuits Based on Precise Delay Analysis and Its Applications
51	VLSI Design of High Speed Vedic Multiplier for FPGA Implementation

VLSI IEEE 2015 Project Titles

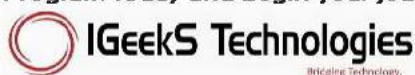
52	A Fast and Accurate Network-on-chip Timing Simulator with a Flit Propagation Model
53	A Packet-switched Interconnect for Many-core Systems with BE and RT Service
54	Design And Analysis Of 10 Port Router For Network On Chip (NoC)
55	Design and Implementation of 16 x 16 Multiplier Using Vedic Mathematics
56	FPGA based Design of Low Power Reconfigurable Router for Network on Chip (NoC)
57	Low Power Multiplier Architectures Using Vedic Mathematics in 45nm Technology for High Speed Computing
58	Reliable Router Architecture with Elastic Buffer for NoC Architecture
59	An Area- and Energy-Efficient FIFO Design Using Error-Reduced Data Compression and Near-Threshold Operation for Image/Video Applications
60	Argo: A Real-Time Network-On-Chip Architecture With an Efficient GALS Implementation
61	Design and Implementation 16 BIT Reversible Logic ALU with 15 – Operations
62	MIHST: A Hardware Technique for Embedded Microprocessor Functional On-Line Self-Test
63	Design and Implementation of an On-Chip Permutation Network for Multiprocessor System-On-Chip
64	Compact Hardware Architecture for Hummingbird Cryptographic Algorithm
65	FPGA-based High-Throughput and Area-Efficient Architectures of the Hummingbird Cryptography
66	Hummingbird Key Establishment Protocol For Low-Power ZigBee
67	Remedying the Hummingbird Cryptographic Algorithm
68	Low Power Implementation of Hummingbird Cryptographic Algorithm for RFID tag


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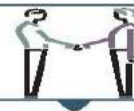


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