



# IGEEKS Technologies

Bridging Technology.

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

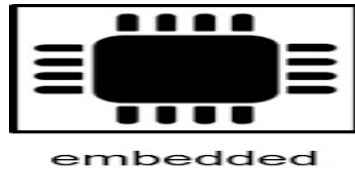
IEEE  
REAL TIME PROJECTS & TRAINING GUIDE  
SOFTWARE & EMBEDDED

## FINAL YEAR PROJECTS

IEEE & Application Projects

BE, Diploma, BSc  
M Tech, MCA, BCA

CS | Mechanical  
E & C | Electrical



[www.makefinalyearproject.com](http://www.makefinalyearproject.com)

7019280372/9590544567



### PROJECTS TITLES FOR ACADEMIC YEAR 2018-2019

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S.No	PROJECT TITLES (2018-2019)
BE, Diploma ECE,EEE, Bio Medical, Instrumentation, Telecommunication Project Titles	
1	18_3_ IEEE_IOT – NAVGUIDE - Electric Aid For Visually Impaired People
2	18_5_ IEEE_IOT - Mobility Assistance Trainer For Visually Impaired
3	18_6_ IEEE_Cotton Flucker And Fabric For Irrigation And Farm Monitoring
4	18_1_514_ IEEE_Efficiency Improvement of Photovoltaic Panels by Design Improvement of Cooling System using Water Cooler
5	18_2_ IEEE_IOT - SRE - Semantic Rules Engine for the Industrial Gateways
6	18_3_ IEEE_NavGuide - Design and Construction of Electronic Aid for visually impaired people
7	18_4_ IEEEA Dual-Link Soft Handover Scheme for C/U Plane Split Network in High-Speed Railway
8	18_5_ IEEE_A Hybrid Approach for Identification of Manhole and Staircase to Assist Visually Challenged
9	18_6_ IEEE_IoT based Solar Powered Agribot for Irrigation and Farm Monitoring
10	18_6_ IEEE_Cotton Flucker And Fabric For Irrigation And Farm Monitoring
11	18_7_ IEEE_Study on Remote Control System of Rural Water Treatment Equipment
12	18_8_ IEEE_A Survey on the Roles of Communication Technologies in IoT-based Personalized Healthcare
13	18_9_ IEEE_Fast Access for ZigBee-enabled IoT Devices Using Raspberry Pi
14	18_10_ IEEE_MANER Managed Data Dissemination Scheme for Wildlife Monitoring System
15	18_11_482_ IEEE_ECShUB - An Off Grid Bunk
16	18_14_200_ IEEE_IOT V2I Communication - RSU Unit for Persistent Traffic Measurement
17	18_15_508_ IEEE_IOT - Safe Drive - Dangerous Driving Recognition of Delivery Boys
18	18_17_ IEEE_IOT Wearable - Municipal Crews in Secure with Smart Wear
19	18_18_ IEEE_IoT – Smart Urban Data Logger – Environment and Garbage
20	18_19_ IEEE_IOT - Distributed Strategy for Emergency Ambulance Routing
21	Wearable Device - Talking Medical Instrument
22	Wearable Device - Android - Talking Medical Instrument
23	Three level authentication system for tenable transaction and abridgment of ATM card
24	Talking Instrument – Electric Lab
25	Smart Soil Testing System For Farmers
26	Smart Engine Control Unit with Anti-Theft Scenario Aiding in Motorcycle Security
27	Sensor Node Security for Home Gas Leakage and Theft Alert
28	IOT V2I Communication – Rescue Time
29	IOT Based Smart Talking Energy Meter
30	IOT - Smart Socket for Residence with AWS
31	IOT – Smart Parking System through Website Reservation
32	IOT - Node MCU based real time data logger for monitoring weather for agricultural purpose
33	Bidirectional Visitor Counter in Library using Android
34	Automation Road Cleaning Robot
35	Anti-theft Protection of Vehicle by GSM & GPS Using RASPBERRY PI
36	An IOT Based Agriculture Application for Data Monitoring Based on Embedded and MATLAB Image Processing
37	Advanced Anti-Theft Protection of Vehicles Using RENESAS Micro Controller
38	466_Novel Recon? gurable Micro grid Architecture with Renewable Energy Sources
39	465_Mindwave based robot control and home automation
40	446_Personal Assistant for Elderly Person with Android App
41	416_Monthly Grocery Distribution System based on Family Members Count using RFID
42	409_Gesture Based Billing Trolley For Shopping Mall
43	333_IOT Based Remote Virtual Lab Industrial Automation using Cloud Server
44	IOT Wearable - Municipal Crews in Secure with Smart Wear
<b>IOT – AMAZON CLOUD SERVER (WEB SERVICES)</b>	
45	479_IoT Based Smart Geyser Automation wrt Environment Condition to Save Electricity
46	495_IOT based Novel Low-Cost Sensor for Human Bite Force Measurement
47	492_IOT - Smart Seating Management in Public Bus Transportation using IoT and Embedded system
48	423_IOT_Airport Baggage Conveyor and Voice notification using Android Technology
49	431_IOT Based Underground Cable Fault Detection
50	418_IOT-An Internet-of-Things Enabled Connected Navigation System for Urban Bus Riders
51	321_IOT based irrigation system with without internet and pump set control with status notification
52	228_IOT-HIVE Home Automation System for Intrusion Detection

53	195_IOT - Evidence Collection in Automotive Industry for Legal Claim
54	200_IOT-Intelligent Smart Traffic Management for Ambulance using RFID
55	228_IOT-HIVE Home Automation and Security System
56	402_IOT based Structural Health Monitoring of Flyovers
57	454_IOT Ayurvedic Medicine Beetel Leaf Vine Cultivation using IoT & Wireless Sensor Network
58	347_IoT based Refrigerator, Storage room and FMCG products stock monitoring with Email alert of Purchase Order
59	366_IOT based semi-automated rash driving detection by using Accelerometer sensors
60	405_IOT-Intelligent Food and Grain Storage Management System for Warehouse
61	376_IOT - ER Lock - Intelligent Anti-Theft Tracking and Accident Detection System for Automobiles Based on IOT
62	380_IOT-Electricity Energy Unit limits Per Sqft Land – Resource management responsibility per family
63	459_IOT based Garbage and Street Light Monitoring System
64	460_IoT & Android based On-Street and Off-Street Parking Availability Prediction & Space Reservation
65	459_IOT Based Monitoring and Smart Planning of Urban Solid Waste Management
66	484_IOT-Residence Energy Control System Based on Wireless Smart Socket and IOT
67	454_IOT Ayurvedic medicine Tulasi, Mint, Turmeric Land Farming with IoT & WSN
<b>IEEE 2017 EMBEDDED PROJECT TITLES</b>	
68	17_1_ IEEE_Ad world – Useless Space, Endless Opportunity - Analysis and Prediction of Visitors.
69	17_2_63_ IEEE_IOT- Industrial CAN Analyzer For Production QC.
70	17_3_107_ IEEE_IoT based Smart Greenhouse
71	17_4_ IEEE_Robotic Fire Detector, Extinguisher, Analyzer and Emergency Alert
72	17_5_459_ IEEE_Dynamic Solid Waste Collection and Management
73	17_6_Design and Implementation of a Fingerprint Based Lock System for Shared Access
74	17_7_ IEEE_IOT – CLCTO – Co-operative Logistics Cargo Transport Optimization
75	17_8_ IEEE_Blister Testing in Drug Industry
76	17_9_477_Campus Navigator with Speech Assistance
77	17_10_367_ IEEE_Posture Analysis - Physical Activity and Behaviour Recognition
78	17_11_469_ IEEE_ECG_Prototype Development of Monitoring System in Patient Infusion with Wireless Sensor
<b>NETWORK EMBEDDED BASED PROJECTS</b>	
79	17_12_284_ IEEE_Terrian Mapping - Towards Automated Map Updating for Mobile Robot Localization
80	17_13_Android - Design and Implementation of Automated Blood Bank using Embedded Systems
81	17_13_Raspberry-Pi Based Embedded Blood Donating Application
82	17_14_ IEEE_Automated Lighting System for Park Pathways
83	17_15_ IEEE_Efficient Remote Control System using SMS Technology for Outdoor Security Lighting Applications
84	17_16_46_ IEEE_Development of Intelligent Power Wheelchair
85	17_17_94_A New Approach for Designing a Smart Glove for Sign Language Recognition
86	17_18_Smart Traffic Control System Using Image Processing
87	17_19_ IEEE_Wearable Enabling Human Cloud Integration in Next Generation Healthcare Systems
88	17_20_Anti-Piracy Screen
89	17_20_ IEEE_Movie Piracy Tracking using Temporal Psycho visual
90	17_21_Talking Energy Meter
91	17_22_IOT - Bellandur Lake - Analysis and Metering of Industrial Waste Water
92	17_26_IOT-Industrial Breath Exhale
<b>RASPBERRY PI BASED PROJECTS</b>	
93	PI1_Raspberry PI Based Wireless Electronic Notice Board
94	PI2_Raspberry PI based implementation of digital advertise boarding with email alert to end customer
95	PI3_Raspberry PI - IEEE - An Implementation of Digital Advertising Board Using Mini PC
96	PI4_IOT - Raspberry PI Based Global Industrial Process Monitoring Through Wireless Communication
97	PI5_Raspberry PI Based Global Industrial Process Monitoring Through Wireless Communication
98	PI6_Raspberry PI- IEEE - HIVE Home Automation and Security System
99	PI7_Raspberry PI- Remote Virtual Lab Access and capturing physical image of laboratory
100	PI8_Raspberry PI - Gesture based Email Access and Voice Command for Blind and Dumb
101	PI9_Raspberry PI Based Deadly School Van Monitoring System with E-mail Alert
102	PI10_Raspberry PI - Job Vacancy? Handicap, Drop your Resume
<b>INNOVATIVE PROJECTS</b>	
103	329_IOT – ChargetSpot
104	IOT based Delivery Boys Safety Control and Bike Analyzer



105	Job Vacancy? Handicap, Drop your Resume
106	Swatch Abhiyan - Door-to-Door Pickup of Household Hazardous Waste
107	195_Evidence Collection in Automotive Industry for Legal Claim – Min
108	3_Implementing Peripherals Using 32-BIT ARM uC
109	7_Implementing Peripherals Using 8051 uC
110	21_Android based Sign Board Detection with Image & Voice Alert System
111	21_Application of RF Technology to Solve Traffic Signal Scheduling by Monitoring the Vehicle Intensity in the Particular Road
112	50_Airport Electronic Passport System and Toll Collection System Using RFID Technology
113	73_student attendance management system
114	89_Remote Airfield Lighting System
115	122_Hitech Jail
116	194_Microcontroller Based Auto College Bell With Speaker Announcement
117	195_Evidence Collection in Automotive Industry for Legal Claim
118	197_Automatic Shuttling of Metro Train between Stations
119	200_Implementing Intelligent Traffic Control System for Congestion Control, Ambulance Clearance, and Stolen Vehicle Detection
120	201_Integrated and Automated Vehicle Bay Arrangement System to Avoid Congestion in a Public Parking Area
121	210_Real Time Automation In Paddy Field With Security
122	211_Fault detection and correction of AC motor
123	215_Automatic Visitor Count with Room Light Control
124	220_Customised Wireless Sensor Node to Detect Hazardous Gas Pipeline Leakage
125	238_An Automatic Embedded Toll Plaza with Document Verification and Speed Detection System
126	240_Wireless power theft, overvoltage and overload monitoring system
127	256_Aadhar Card based Biometrics Electronic Voting System with Embedded Security Along With Remote Access
128	256_Biometrics Using Electronic Voting Sys with Embedded Security Along With Remote Access and Threaten Alert to Election Board
129	257_Design and Implementation of a Power Converter for Electric Bike with Charging Feature
130	271_Intelligent Wireless Connectivity within an Internal Home Network using Renesas RL78 Microcontroller
131	275_Wireless Speed Control of Single Phase AC Induction Motor
132	276_GSM Based Industrial Disaster Intimation Control System (GIDICS)
133	281_GPS based virtual fencing
134	284_IEEE_Terrian Mapping - Towards Automated Map Updating for Mobile Robot Localization
135	285_Train Collision Avoidance Using Vibration Sensor & Micro-Controller
136	294_Attitude and Heading Reference (AHRS) System for Aerospace application
137	298_Density Based Traffic Signal Control & Intelligent Ambulance For City Traffic with Zigbee communication
138	313_E Glove- Palm and Fingerprint sensor gesture based for Pick and Place remotely using RF Transmitter and Receiver
139	315_Solar powered house and transmitting the extra power to the government mains
140	317_Tracking and Information gathering system using GPS and GSM Technology
141	318_Satellite and RF Enabled Assistance for Marine Navigation
142	319_Renesas Based Renewable energy - 12V DC Power generation using Back EMF & Solar for LED load
143	321_Bird - Solar Powered Irrigation with auto control of pump & SMS alert
144	321_Solar powered Irrigation with auto control of pump & SMS alert
145	325_speech based high alert building automation and security alert through android with earthquake alert
146	326_Speech based control & alert system for senior citizens using android mobile
147	329_coin based universal mobile battery charger using solar panel
148	329_Coin Based Universal Mobile Battery Charger, Purified Drinking Water with Emergency Alert System
149	329_Coin Based Universal Mobile Battery Charger
150	333_IOT - Web Laboratory- Remote Virtual Lab Access With Graph Generation.
151	343_A Review on Design of Automated Floor Cleaning System
152	343_Autonomus Cleaning Robot
153	350_GPS based child tracking with server & SMS alert to parents
154	356_Rotating solar system for automobiles with Boost & charge control
155	357_Eye-Blink Control to Navigate a Wheel Chair of a Paralyzed Individual
156	362_Human Detection In Natural Disaster using ANDROID Technology
157	366_A_MEMS Accelerometer sensors based semi-automated rash driving
158	366_MEMS Accelerometer sensors based semi-automated rash driving & traffic signal jump detection unit

159	366_Rash Driving Detection And Collision (Accident) Avoidance System With Steering Controlled Headlight Mechanism Of Vehicles.
160	367_Physical Activity and Behaviour Recognition of One-Two Year Old Child with Real time data collection for Doctors Observation
161	372_Implementation of the Driver Drowsiness Detection System
162	373_Energy Efficient Led Lighting System For Commercial Purpose
163	374_Automated System In Public Places Having Multiple Applications
164	375_Remote Control System of High Efficiency and Intelligent Street Lighting using Android Server
165	379_Designing a complete vehicle immobilization system integrated with a personalized alert mechanism
166	380_Theft_Electricity Energy Unit limits Per Sqft Land – Resource management responsibility per family
167	381_Android - Gesture based Email Access and Voice Command for Blind and Dumb
168	381_Hand gesture based communication for Military and Patient Application
169	381_Real time communication between dumb, deaf and blind people using voice & gesture with Android
170	381_Real time communication between dumb, deaf and blind people using voice & gesture with Matlab
171	390_Embedded System Based Eye Movement & Gesture based Communicating for Paralyzed Person
172	391_Passenger BUS Alert System for Easy Navigation of Blind
173	391_Passenger BUS Alert System for Easy Navigation with Speech Recognition
174	391_Speech Recognition based Passenger Bus Alert System for Senior Citizens
175	392_Smart Device for Optimal Use of Stored Renewable Power with Automatic Switching using Matlab
176	396_Low Power Wireless Sensor Network For Building Monitoring
177	396_Micro-Electronics Methodology for Automation of Factory Using Integrated Networks on a Wireless Media
178	397_Design And Development Of Fall Detector Using Fall Acceleration
179	398_Intelligent Radio Frequency Identification Technology in Academic Management System
180	400_Design of an Environmental Monitoring for Applications
181	401_Heavy Vehicle Alert & Intimation System For Traffic Police Using Load Sensor Using GSM
182	402_Bridge Condition Monitoring System Using Wireless Network
183	404_Android application voice output based anti-fuel theft system for vehicles with alarm
184	404_Central Locking Control using Android Application with Fuel Theft Voice Alert
185	404_Headlight Central Locking Control using Android Application with Fuel Theft Voice Alert
186	404_Rash Drive - Central Locking Control using Android Application and Rash Driving Monitoring
187	404_RFID Central Locking Control using Android Application with Fuel Theft Voice Alert
188	405_(Motor)Intelligent Food Management System-Maintenance of Agro and Non-Agro Foods in Cold Storage Warehouse
189	405_Intelligent Food Management System-Maintenance of Agro and Non-Agro Foods in Cold Storage Warehouse
190	406_An Environmental Pollution Detection Systems in Automobiles using Control System Automation with Renesas RL78
191	407_Fire Avoidance and Electric Circuit Breaker System in Train along with Alerting Approaching Station
192	408_Pedestrians Safety, Anti Acceleration and Image Indication of Highway Sign Board with Speech Alert
193	411_Design and Implementation of Client-Server based Remote Machine Control System using Web Services for Industrial applications
194	416_Automatic Ration Material Distributions Based on GSM and Finger Print Scanner Technology
195	416_Monthly Glossary Distribution System based on Family Members Count using RFID as Unique ID card
196	417_Advanced Passenger Security System for Radio Cabs with Video Transmission and Enhanced System Security with Biometric Module
197	420_A Reconfigurable Smart Sensor Interface for Industrial WSN in IoT Environment using web server
198	420_Industrial Data Acquisition System with Smart Wireless Sensor Interface based on Internet of Things using Wi-Fi Network
199	421_Missile detection and automatic destroyer system
200	422_On_Road Real Time Vehicle Emission CO2 Level Threshold Inspection With Email Alert Dotnet
201	423_Airport Baggage Conveyor and Voice notification using Android Technology
202	424_Wireless Communication, Monitoring and Security System Embedded Safety Helmet for Real Time Applications
203	429_Substation Phase Controller for automatic load shedding with overload alert
204	431_Underground Cable Fault Detection and Alert with Voice Commands using FN-M16P.
205	433_WSN & MEMS Technology Based Attender Calling System
206	435_IEEE_A System for Automatic Notification and Severity Estimation of Automotive Accidents
207	437_E-Cradle for Infant Care with Android Speech alert for dangerous conditions
208	437_Evaluation of Respiratory & Non-Respiratory Movements of Infants with Care taker voice using FN-M16P module
209	438_Women Anti Rape Belt
210	439_Fault Analysis and Electrical Protection of Distribution Transformer with FN-M16P MP3 Unit

211	440_ An Embedded system and RFID solution for transport related issues
212	442_ Enhancing Coal Mine Safety with Wireless Sensor Networks Using Bluetooth Technology
213	443_ Android_ Robust Railway Crack Detection Scheme (RRCDS) Using LED-LDR Assembly
214	443_ Robust Railway Crack Detection Scheme (RRCDS) Using LED-LDR Assembly
215	445_ Automatic Transformer Load sharing system with SMS Altering
216	445_ GSM Based Power Sharing Of Transformer with Automatic Load Shedding System
217	449_ Design and Development of Object Recognition and Sorting Robot for Material Handling in Packaging and Logistic Industries
218	451_ Embedded Fuzzy ZigBee Based Irrigation System for Home Gardens
219	452_ Controlling of Electrical Devices with Automatic Active Phase Selector
220	452_ Remote Monitoring and Controlling of Electrical Devices with Automatic Active Phase Selector
221	459_ Android - An Approach for Monitoring and Smart Planning of Urban Solid Waste Management
222	459_ Garbage and Street Light Monitoring System with Automatic Door Mechanism
223	460_ Android based On-Street and Off-Street Parking Availability Prediction & Space Reservation
224	460_ Smart Parking for College using RFID Technology
225	461_ Design and Fabrication of Liquid Dispensing Machine Using Automatic Control for Engg Industry
226	463_ Android - Implementation of Smart City Management System with Speech alert
227	463_ SMART CITY AND MANAGEMENT - Parking, Disaster, Waste Management
228	463_ SMART CITY MANAGEMENT - Traffic System, Ambulance & Street Light
229	469_ Prototype Development of Monitoring System in Patient Infusion with WSN
230	471_ Android-GreenCharge Managing Renewable Energy in Smart Buildings
231	472_ Multiple Account Automated Biometric Based Access in Automatic Teller Machine – ATM
232	474_ Dual Axis Control and Remote Alignment of Dish Positioning by Android Application
233	475_ An RFID based Smartphone Proximity Absence
234	476_ Antismuggling System for Trees in Forest with Solar power generation
235	479_ Wireless power theft, overvoltage and overload monitoring system And geyser automation
236	481_ GPS based vehicle toll collection system
237	485_ Alternate Energy from Busy Road for Development of Smart City - Thermal & Piezo
238	485_ Alternate Energy from Busy Road for Development of Smart City
239	486_ Android Based Deadly School Van Monitoring System with Speech Alert
240	487_ Android-Design and Development of an Authentication Device for Examination using Fingerprints
241	489_ Biometric and Laser Based Safe Locker Security System
242	490_ Android - Design and Implementation of Automated Blood Bank using Embedded Systems
243	491_ Research and Design of Embedded Timber Drying Monitoring System
244	498_ Design And Implementation Of Driverless Car To Recognize Traffic Signs Using MATLAB And Android Device IP Camera
<b>ROBOTICS</b>	
245	480_ AmbuBot - Robotic Automated External Defibrillator Ambulance for Emergency Medical Service in Smart Cities
246	46_ Gesture and Speech based wheel chair control for physically challenged person using Android Bluetooth technology
247	453_ Automated Waste Segregator
248	189_ Converyor System Automated Restaurant Management System
249	87_ Bluetooth embedded robotic agriculture plowing, seeding and grass cutting powered by solar energy
250	468_ Pot hole detection sensor robot notifying its location to the local authority via android
251	249_ Automatic and intelligent car motion
252	223_ Automated Book Picking Robot for Libraries
253	189_ Robotic automated food service provider is hotel with android based individual menu system
254	214_ Android - Design of an Intelligent Combat Robot for war field
256	249_ Unmanned autonomous vehicle control
257	46_ Speech based wheel chair control for physically challenged person using Android Bluetooth technology
258	192_ MAZE ROBOT
259	87_ BlueTooth embedded robotic lawn mover powered by solar energy
260	164_ IOT Based Multi Function War Assistance Robot
261	110_ Embedded LAND ROVER with Sensor Interface with ZigBee Technology
262	114_ Flex & Acceleration used Hand Gesture control of Robot with MP3 Voice output
263	114_ Hand Gesture based Robot control with Pick and Place Operation using Accelerometer
264	145_ multicontrol_ robot
265	169_ Two Axis Based Solar Tracking for Power Conservation in Irrigation System

266	173_Industrial Conveyor Batch Counter for Packing Automation
267	87_Seed Sowing Plowing and Waste Grass Cutting Robot with Android Application
<b>BIOMEDICAL &amp; MEDICAL APPLICATIONS</b>	
268	403_Android based Monitoring Human Knee Joint Movement Using Wearable Computing
269	478_Embed_Rapid Entire Body Postural Analysis Assessment Device for Computer Operators
270	266_Operation Theatre Automation & Control (OTAC)
271	180_Android - Electronic Stick and Android Smartphones to the Aid of Blindly Disabled Individuals
272	92_Android based patient monitoring in hospitals and old ages at home
273	109_IOT and E Glove based nurse calling system
274	180_Ultrasonic Haptic Vision System For Blindly Disabled Individuals
275	185_Accessible Electronic Interaction for People with Partial Paralysis
276	185_Head movement based wireless communication with speech alert for Paralyzed Person
277	270_NICU Monitoring
278	495_Android based Novel Low-Cost Sensor for Human Bite Force Measurement
279	46_Gesture and Speech based wheel chair control for physically challenged person using Android Bluetooth technology
280	444_ANY TIME MEDICINE
281	403_Android based Monitoring Human Insole Movement Using Wearable Computing
282	446_Elderly person Activity Tracking Application using Android Smartphone
283	495_Matlab based Novel Low-Cost Sensor for Human Bite Force Measurement
284	478_Android_Rapid Entire Body Postural Analysis Assessment Device for Computer Operators
285	46_Speech based wheel chair control for physically challenged person using Android Bluetooth technology
286	180_Embedded- Electronic Stick for Vision Control of Pre-defined Area with FN-M16P Module Voice Alert
<b>AGRICULTURE &amp; IRRIGATION</b>	
287	454_IOT Ayurvedic Medicine Beetel Leaf Vine Cultivation using IoT & WSN
288	87_Bluetooth embedded robotic agriculture plowing, seeding and grass cutting powered by solar energy
289	87_Seed Sowing Plowing and Waste Grass Cutting Robot with Android Application
290	454_IOT Ayurvedic medicine Tulasi, Mint, Turmeric Land Farming with IoT & Wireless Sensor Network
291	458_Crop Leaf Area Index Observations with a Wireless Sensor Network and Its Potential for Validating Remote Sensing Products
292	87_BlueTooth embedded robotic lawn mover powered by solar energy
<b>SECURITY SYSTEM, BIOMETRICS</b>	
293	1_Invisible Eye – An advanced Security System Using Web Camera
<b>CAN PROTOCOL</b>	
294	464_Design & Implementation of Smart City Using Controlled Area Network Protocol for Controlling Purpose
295	466_CAN based control unit for a Novel Reconfigurable Micro grid Architecture with Renewable Energy Sources
296	425_Vehicle Control for Pedestrians Safety Using CAN Protocol For Implementing the Intelligent Braking System
297	63_CAN Test Analyzer for quality testing in Automobile Production Plant with Authorized Report Generation
298	249_Co-Operative Adaptive Cruise Control (CACC) Based On CAN Protocol Using Microchip
299	425_Vehicle Control Using CAN Protocol For Implementing the Intelligent Braking System
<b>B.E, M.E VLSI PROJECT TITLES LIST</b>	
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





# IGEEKS Technologies

Bridging Technology.

## Head Office:

**No.1 Rated company in Bangalore for all software courses and Final Year Projects**

### IGEEKS Technologies

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## Partners Address:

### RAJAJINAGAR:

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12th Main, after sevabhai hospital,  
5th Block, Rajajinagar,  
Bangalore-10.  
Landmark: Near Bashyam circle.

### JAYANAGAR:

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3rd Floor, 27th Cross,  
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Bangalore - 560011,  
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