



KREST TECHNOLOGIES

arrow the aim

An ISO 9001 : 2000 Certified

IEEE PROJECTS

B.Tech - ECE / EEE / EE

- Real Time Embedded Applications
- Digital Image / Signal Processing
- Power Electronics / Systems
- Electrical Machines
- Verilog / VHDL



No.1

Organization in INDIA

For Training & Projects

• Ameerpet • Dilshuknagar • Vijayawada

Opening soon @ Visakapatnam

Company Profile :

KREST TECHNOLOGIES is a division of KREST GROUP, an ISO 9001:2000 Certified Organization. Krest was established in the year 2005 for Course Designing, Training, and Placement Guidance. Based at Hyderabad, we offer high application oriented training with 100% placement assistance & lateral placements.

Krest provides Training and Projects in Embedded Systems, Power systems, Power Electronics, Electrical Machines, DSP/DIP, VLSI, .Net, Java/J2EE and Linux as well as develops its own range of quality Embedded Products. Krest has successfully powered itself in training thousands of students and professionals. The teaching philosophy deployed, strives to create in-depth knowledge about the subject at hand. We believe that depth is an essential ingredient to achieve heights in training and development. Students from KREST TECHNOLOGIES have proved the point by their work in the fast paced industry world.

Vision

KREST TECHNOLOGIES is a professional training partner dedicated to help both company and the aspirant achieve a win-win situation.

Mission

To share our vast reservoir of experience for education and knowledge enrichment in various Technological Fields.

Why KREST :

- ▶ Highly Experienced Staff as per Industry Requirement.
- ▶ Backed by Strong Roots of Research & Development.
- ▶ World - class Infrastructure with e - Classrooms / Lab-Facilities.
- ▶ Remote classroom training with video-conference.
- ▶ Widespread over 25,000+ sft area.
- ▶ Trained more than 1,00,000 students.
- ▶ ON / OFF - Campus Project Guidance.
- ▶ Academic Projects with Support for Full Documentation, Seminar Info & Ppts.

EMBEDDED LIST

S.No	TITLE/NAME OF THE PROJECT	Standard
<i>Mobile Communication</i>		
1	Real-Time Atomization Of Agricultural Environment For Social Modernization Of Indian Agricultural System	IEEE
2	Design And Application Of Mobile Embedded Systems For Home Care Applications	IEEE
3	Design Of A Hybrid RFID/GPS-Based Terminal System In Vehicular Communications	IEEE
4	A Remote Measurement and Control System for Greenhouse Based on GSM-SMS	IEEE
5	GSM based wireless home appliances monitoring & control system	IEEE
6	GSM based distribution transformer monitoring system	IEEE
7	Automatic power meter reading system using GSM network	IEEE
8	Design & Development of a GSM Based Vehicle Theft Control System	IEEE
9	Mobile monitoring system for smart home	IEEE
10	Design Of Remote Data Acquisition System Of Passenger Flow Based On GPRS / GSM	IEEE
11	A Remote Measurement & Control System For Cultivation Based On GSM SMS	Non-IEEE
12	Automated System For Fault Analysis In Industries Using GSM	Non-IEEE
13	RTA Regulation for Environment Polluting Vehicles(T/F) (GSM&GPS)	Non-IEEE
14	GSM based advertising system using LED panel	Non-IEEE
15	UPS battery management for industries using GSM	Non-IEEE
<i>Security Systems</i>		
16	Authentication And Access Control System For Device Using Smart Card	Non-IEEE
17	Vehicle Tax Pay & Access System	Non-IEEE
18	Advanced Digital EM With Rejuvenate & Alert System(ONLY8051)	Non-IEEE
19	E Cash Pay Off For Fuel Station	Non-IEEE
20	Fiscal Access Control System Using Smartcard	Non-IEEE
21	Modern Security System For Fiscal Transaction	Non-IEEE
22	Design and Realization of Expressway Vehicle Path Recognition and ETC System based on RFID	IEEE
23	Elegant Library Management System Using RFID	Non-IEEE
24	E-Assortment Validation Check For Pharmaceuticals(ONLY8051)	Non-IEEE

25	Remote Parent Care (RFID&GSM)	Non-IEEE
26	Access Check For Smart Money Carry (GSM & Smart Card)	Non-IEEE
Wireless Communication		
27	Wireless Handheld Ordering Terminal Based On Embedded System	IEEE
28	Patient Vital Signs Monitoring Using Wireless Body Area Networks	IEEE
29	Design And Implementation Of Embedded Indoor Intelligent Temperature Control System	IEEE
30	Remote Monitoring Of Building Structural Integrity By A Smart Wireless Sensor Network	IEEE
31	Wireless Security Control System & Sensor Network For Smoke & Fire Detection	IEEE
32	Body Motion Information Collection Platform Design Based On ARM7	IEEE
33	Increasing safety of Bomb Disposal Mission a body sensor network approach	IEEE
34	Design and implementation on the Intelligent management systems of Garage in the community based on ZIGBEE	IEEE
35	A Wireless Data Acquisition and Transmission System Design	IEEE
36	Energy management with ZIGBEE sensor network	IEEE
37	Design of monitoring system for coal mine safety based on wireless sensor network	IEEE
38	Remote power ON/OFF control and current measurement for home electric outlets based on a low power embedded boards and ZIGBEE communication	IEEE
39	ZIGBEE Device Access Control and Reliable Data transmission in ZIGBEE Based Health Monitoring System	IEEE
40	ZIGBEE wireless vehicular identification and authentication system	IEEE
41	Role of Wireless Sensor Networks in Forest Fire Prevention	IEEE
42	Development on Gas Leak Detection and Location System Based on Wireless Sensor Networks	IEEE
43	A Zigbee Based Smart Sensing Platform for Monitoring Environmental Parameters.	IEEE
44	Design and Implementation of the Lab Remote Monitoring System Based on Embedded Technology	IEEE
45	Design of Smart Nodes for RFID Wireless Sensor Networks	IEEE
46	Route Navigation System in Zigbee-based Sensor Networks.	IEEE
47	ZigBee Based Intelligent Helmet for Coal Miners.	IEEE
48	Wireless Sensor Node to Detect Hazardous Gas Pipeline Leakage.	IEEE
49	Secured Wireless Communication For Industrial Automation And Control	IEEE
50	Real Time Paddy Crop Field Monitoring Using Zigbee Network.	IEEE
51	Monitoring and Alarming System Based on Zigbee Technology.	IEEE
52	Large Scale Active RFID System Utilizing ZigBee Networks.	IEEE
53	Design of Sensor Modules of Active & Intelligent Energy-saving System.	IEEE

54	Design of Sphygmus Data Acquisition Platform Based on Wireless Sensor Technique.	IEEE
55	GPS Data Analysis and Acquisition Software over IP Platform	IEEE
56	Monitoring & Controlling Of Requirements For Cultivation (ZIGBEE)	Non-IEEE
57	Innovative Congestion Control System for Ambulance Using ZIGBEE	Non-IEEE
58	Real Time Pantry Information System Using ZIGBEE	Non-IEEE
59	Wireless Meter For Consumer Utilities (only8051)	Non-IEEE
60	Development of an ES for Secure Wireless Data Communication (ZIGBEE)	Non-IEEE
<i>Accelerometer / Gyroscope</i>		
61	Activity monitoring system using dynamic time warping for the Elderly and disabled people	IEEE
62	EMBEDDED Real-time damage detection and identification algorithms in wireless health monitoring system for smart structures	IEEE
63	Fall Detection & Activity Monitoring For Oldsters	Non-IEEE
64	Motion Operated Scrolling Display For LED PANEL Using MEMS Accelerometer	Non-IEEE
65	Accelerometer Based Gesture Recognition For Wheel Chair Direction Control (MEMS & ZIGBEE)	Non-IEEE
<i>Robotics</i>		
66	Micro Controller based automation of variable electronic speed governor	IEEE
67	An Embedded System and RFID solution for transport related issues	IEEE
68	RFID warehouse Robot(only 8051)	IEEE
69	Vehicle information communication safety combined with Mobile RFID system	IEEE
70	First Aid Android In Defense	Non-IEEE
71	PC Regimented Defense Android Using ZIGBEE	Non-IEEE
72	Handheld Multi Parameter Monitoring & Analysis System	Non-IEEE
73	Wireless Endorsed Operated Robot	Non-IEEE
74	FP Based Physical Access Control Vehicle Immobilizer	Non-IEEE
75	Obstacle Detection And Avoidance Robot using ultrasonic detector	Non-IEEE
<i>Bio-Medical</i>		
76	Development of Remote Monitoring Cardiac Patients System Based on GSM&ZIGBEE	IEEE
77	Wireless Health Monitoring & Tracking System For Patients (only8051) RFID&ZIGBEE	Non-IEEE
78	A Remote Sleep-monitoring Medical Alarm System	IEEE
79	Design of a Wireless Medical Monitoring System	IEEE
80	Smart Paroxysm Prediction& Life Saver System (MEMS&RF) (only8051)	Non-IEEE

81	ATM Terminal Design Is Based On Fingerprint Recognition	IEEE
82	Bio Metric Authentication System For Foyer Accessing	Non-IEEE
83	Developing of anti rigging voting system using biometrics (F.P).	Non-IEEE
<i>VOICE IC</i>		
84	Vehicle Superintending System with Voice Feedback (only8051)	Non-IEEE
85	Contemporary Bus Station With Voice Alert(Voice IC&RF)	Non-IEEE
<i>Touch Panel</i>		
86	Palpitation Panel Based Automation	Non-IEEE
87	Palpation Screen Based Driving System	Non-IEEE

DSP/DIP

S.No	Name / Title of The Project	Standard
88	Robust feature based image watermarking process	IEEE
89	A new approach for image segmentation using pillar k-means algorithm	IEEE
90	Image retrieval using both color and texture features	IEEE
91	A New Approach For Generic Lossless Visible Watermarking	IEEE
92	Blurred image recognition by Legendre moment invariants	IEEE
93	Image thumbnails that represent blur and noise	IEEE
94	Automatic image segmentation using wavelets	IEEE
95	Block based feature level multi focus image fusion	IEEE
96	An effective image retrieval scheme using color, texture and shape feature	IEEE
97	A Pattern Similarity Scheme for Medical Image Retrieval	IEEE
98	Adaptive Steganography Method Based On Integer Wavelet Transform	IEEE
99	A high capacitive and confidentiality based image steganography using private sego key	IEEE
100	A moving target detection algorithm based on the dynamic background	IEEE
101	Image classification by K-mean's clustering	IEEE
102	A wavelet based technique towards a more natural sounding synthesized speech	IEEE
103	An Automatic Wavelet-based Nonlinear Image Enhancement Technique for Aerial Imagery	IEEE
104	A fragile watermarking scheme for image authentication with tamper localization using integer wavelet transform	IEEE
105	A Robust Image Watermarking using Two Level DCT and Wavelet Packets De-noising	IEEE

106	Unified Relevance feedback frame work for web image retrieval	IEEE
107	Image Encryption Using Binary Key-images	IEEE
108	An Application of Multidimensional Time-Frequency Analysis as a Base for the Unified Watermarking Approach	IEEE
109	A New Reference Free Image Quality Index For Blur Estimation In The Freq Domain	IEEE
110	Reversible data hiding Based on histogram modification of pixel differences	IEEE
111	A new video watermarking algorithm based on 1D DFT and Radon transform	Non - IEEE
112	Ensemble methods of face recognition based on bit plane decomposition	IEEE
113	Adaptive fuzzy filtering for artifact reduction in compressed images and videos	IEEE
114	Wavelet based palm print authentication system	IEEE
115	Using Gabor Features for Multi Pose Face recognition in color images	IEEE
116	Video Watermarking Algorithms Using SVD Transform	IEEE
117	Effective fuzzy clustering Algorithm for abnormal MR Image segmentation	IEEE
118	Development of a Novel Voice Verification System using Wavelets	IEEE
119	Image enhancement based on quadratic programming	IEEE
120	Color Histogram Features Based Image Classification in Content-Based Image Retrieval Systems	IEEE
121	Adaptive Bilateral Filter for Sharpness Enhancement and Noise Removal	IEEE
122	A Visual Information Encryption Scheme Based on Visual Cryptography and D-H Key Agreement Scheme	IEEE
123	Image compression based on Gaussian Pyramids.	IEEE
124	Blind self-authentication of images for robust watermarking using integer wavelet transform	IEEE
125	Reversible Image Watermarking Based on Integer-to-Integer Wavelet Transform	IEEE
126	Power Spectrum Estimation Method for Image De-noising by Frequency Domain wiener filter	IEEE
127	Image blur reduction for cell cameras via adaptive tonal correction	IEEE
128	Comparison and Improvement of wavelet based image fusion	IEEE
129	Steganography using BPCS to the IWT image	IEEE
130	Expansion Embedding Techniques for Reversible Watermarking	IEEE
131	Higher Order SVD Analysis for Dynamic Texture Synthesis for videos	IEEE
132	Video watermarking using discrete wavelet transforms	Non - IEEE
133	Face Tracking in real time videos	Non - IEEE
134	Improving Face Recognition by Video Spatial Morphing	Non - IEEE
135	A Hybrid Filter with Impulse Detection for Removal of Random Valued Impulse Noise from Color Videos	Non - IEEE
136	Lossless compression of color map images by context tree modeling	IEEE

137	Wavelet based Texture Segmentation methods based on Combinatorial of Morphological and Statistical Operations	IEEE
138	An improved visual cryptography for secret hiding	IEEE
139	A wavelet based de-noising technique for Ocular artifact correction of the EEG Signal	IEEE
140	Speech adaptive compression using cosine packets	IEEE
141	Investigation of fault- Tolerant Adaptive filtering for noisy ECG signal	IEEE
142	Content based Speech watermarking using DWT	Non - IEEE
143	Data embedding scrambled digital video	IEEE
144	Morphological processing for color images	Non - IEEE
145	Finger Print Enhancement using STFT analysis	Non - IEEE
146	Post processing of Low Bit-Rate Block DCT Coded Images Based on a Fields of Experts Prior	IEEE
147	A spatial median filter for noise removal in digital images	Non - IEEE
<i>Communication and Signal Processing</i>		
148	A new approach to Analyze the PAPR in OFDM system by using DHT Pre-coded matrix for M-QAM	IEEE
149	A fast power allocation strategy for OFDM systems	IEEE
150	A New ZCT Pre coded OFDM System with Pulse Shaping: PAPR Analysis	IEEE
151	An Extension Algorithm of adaptive Active Constellation for Peak-to-Average Ratio Reduction in OFDM	IEEE
152	An extended preamble algorithm for OFDM system for SNR estimation In frequency selective channels	IEEE
153	Low complexity decision directed channel estimation based on a reliable symbol selection strategy for OFDM systems	IEEE
154	Analysis of BER Performance in Presence of Nonlinear Distortion Due to PD-HPA in Downlink DS-CDMA Signals	IEEE
155	Reducing the Effect of Timing Jitter on High Speed OFDM Systems by using interpolation	IEEE
156	An new Companding Transform in OFDM system for PAPR Reduction	IEEE
157	Multi objective Optimization for Pre-DFT Combining in Coded SIMO-OFDM Systems	IEEE
158	Comparison of compression rates for audio signal with Munich and Cambridge Morlet Wavelet	IEEE
159	Comparison of different SNR estimation techniques for wireless OFDM systems in frequency selective channels	IEEE
160	Oversampling to reduce the Effect of Timing Jitter on High-speed OFDM Systems	IEEE
161	Development of EMD based de-noising methods inspired by wavelet thresholding methods	Non - IEEE
162	An Efficient Resource Allocation Strategy for Future Wireless Cellular Systems	IEEE
163	Adaptive DS-CDMA Receiver with Code Tracking in Phase Unknown –Environments	IEEE
164	A Variable Step-Size Affine Projection Algorithm Designed for Acoustic Echo Cancellation	IEEE

165	A Time-Varying Convergence Parameter for the LMS Algorithm in the Presence of White Gaussian Noise	IEEE
166	Acoustic Echo cancellation Algorithm Tolerable for double talk	IEEE
167	Multi user detection in CDMA systems using PDA algorithm under AWGN	Non - IEEE
168	Efficient Detection Ordering Scheme for MIMO Transmission Using Power Control	IEEE
169	ECG signal de-noising and baseline wander correction using empirical mode decomposition	IEEE
170	Variable step size NLMS algorithm for under modeling acoustic echo cancellation	IEEE
171	A Wavelet based Statistical Method for De-Noiseing of Ocular Artifacts in EEG Signals	IEEE
172	On Integer MDCT for Perceptual Audio Coding	IEEE
173	Performance analysis of Iterative channel estimation and multi user detection in multi user CDMA System	IEEE
174	Time-Domain signal detection using second order statistics for MIMO-OFDM systems	IEEE
175	Pre DFT processing for MIMO OFDM systems with space time frequency coding	IEEE
176	Channel estimation and prediction for adaptive OFDM downlinks	IEEE
177	Linear Companding Transform for the Reduction of Peak-to-Average Power Ratio of OFDM Signals	Non - IEEE
178	Channel Tracking in Wireless OFDM Systems	IEEE
179	Non Coherent MMSE interference suppression for DS-CDMA	IEEE
180	Channel estimation based on extended kalman filtering for MIMO-OFDM systems	Non - IEEE
181	Non-parametric linear time-invariant system identification by discrete wavelet transforms	IEEE
182	Maximum Likelihood carrier frequency offset estimation for OFDM systems in fading channels	Non - IEEE
183	A Full rank regularization technique for MMSE detection in Multi user CDMA systems	IEEE
184	Channel Estimation and prediction for adaptive OFDMA/TDMA uplinks based on non overlapping pilot signals	Non - IEEE
185	Wavelets for increasing spectral efficiency in a digital communication system	Non - IEEE
186	Sub-band coding of speech signals using multirate signal processing	Non - IEEE
187	An Adaptive KLT(Karhunen–Loeve transform) Approach for Speech Enhancement	IEEE

VLSI (VHDL / Verilog)

S.No	Name/Title of The Project	Language
188	An Efficient Implementation of Floating Point Multiplier	VHDL
189	An Efficient Architecture for 3-D Discrete Wavelet Transform. (Verilog)	Verilog
190	A Spurious-Power Suppression Technique for Multimedia/DSP Applications(Verilog)	Verilog
191	Design of On-Chip Bus with OCP Interface. (VHDL)	VHDL
192	DDR3 based lookup circuit for high-performance network processing. (Verilog)	Verilog
193	Multiplication Acceleration Through Twin Precision(VHDL)	VHDL
194	Implementation of FFT/IFFT Blocks for OFDM(VHDL)	VHDL
195	A Very fast and low power Carry select adder Circuit	Verilog
196	Implementation of UART Serial communication module	Verilog
197	RCEAT for Radio Frequency Identification (RFID) UHF Tag(Verilog)	Verilog
198	High Throughput DA - BASED DCT with high accuracy Error - Compensated Adder Free (ECAT)	VHDL
199	Low power ALU Design By Ancient Mathematics	VHDL
200	Efficient FPGA implementation of convolution	Verilog
201	Implementation of Carry Tree Adders using Verilog	Verilog
202	Implementation of Self-motivated Arbitration Scheme for the multi-layer AHB-Bus Matrix(Verilog)	Verilog
203	Self-Immunity Technique to Improve Register File Integrity against Soft Errors (Verilog)	Verilog
204	Implementation Of Hamming Code Using Verilog HDL	Verilog
205	Design of Parallel Multiplier Based on Radix-2 Modified Booth Algorithm (Verilog)	Verilog
206	Design and Implementation of Adaptive Viterbi Decoder (Verilog)	VHDL
207	High Performance Complex Number Multiplier Using Booth-Wallace Algorithm	VHDL
208	Design Of JPEG Image Compression Standard(Verilog)	Verilog
209	Design of an Bus Bridge between OCP and AHB Protocol (VHDL)	VHDL
210	Design of 16 Point Radix - 4 FFT (Fast Fourier Transform) Algorithm(Verilog)	Verilog
211	Design of an AMBA-Advanced High performance Bus (AHB) Protocol IP Block(VHDL)	VHDL
212	Design of 32 bit RISC PROCESSOR (VHDL)	VHDL
213	VMFU Design Using Spurious Power Suppression Technique	Verilog
214	Design of 16 - bit QPSK	Verilog
215	Design of 64 -bit QAM	Verilog

216	High Speed VLSI architecture for General Linear Feedback Shift Registers	Verilog
217	Implementation of High speed DDRSDRAM Controller	VHDL
218	Implementation of Guessing Game using VHDL	VHDL
219	Implementation of Traffic light controller using VHDL	VHDL
220	Implementation of DWT using(5,3) Lifting Scheme	Verilog
221	Design of Radix-2 Butterfly Processor to Prevent Overflow in the Arithmetic	VHDL
222	Design and Implementation of Systolic array Architecture for DWT	Verilog

EEE **SIMULATION**

S.No.	PROJECT TITLE	YEAR
1	A 28-pulse ac-dc converter based smps for telecom power supply (be press)	2010
2	A fuzzy rule-based approach for islanding detection in distributed generation	2010
3	A high performance induction motor drive system using fuzzy logic controller	2010
4	A high-power-factor single-stage single-switch electronic ballast for compact fluorescent lamps	2010
5	A hybrid system based approach to direct torque control (dte) of induction motors	2010
6	A new 84-pulse vsc configuration using multi-level dc voltage reinjection for especial applications	2010
7	A new adaptive fuzzy vector control for permanent magnet synchronous motor drive	2010
8	A novel three-phase to five-phase transformation using a special transformer connection	2010
9	A real time power system harmonic estimator considering fundamental frequency variations (bepress)	2010
10	A three-phase interleaved dc-dc converter with active clamp for fuel cells	2010
11	A voltage controlled adjustable speed pmbldcm drive using a single-stage pfc half-bridge converter	2010
12	An efficient ac-dc step-up converter for low-voltage energy harvesting	2010
13	An inrush mitigation technique of load transformers for the series voltage sag compensator	2010
14	An online simplified rotor resistance estimator for induction motors	2010
15	Ann-based svc switching at distribution level for minimal-injected harmonics	2010
16	Apf for harmonic voltage resonance suppression in distribution system	2010

17	Comparison of modulation techniques for matrix converter (IACSIT)	2010
18	Control circuit for active power filter with an instantaneous reactive power control algorithm modification	2010
19	Control of active filter in 25kv ac traction systems	2010
20	Control scheme of cascaded h-bridge statcom using zero-sequence voltage and negative-sequence current	2010
21	Design and implementation of a current-source converter for use in industry applications of d-statcom	2010
22	Design of a 28 v-to-300 v/12 kw multicell interleaved fly back converter using intercell transformers	2010
23	Design of a hybrid pid plus fuzzy controller for speed control of induction motors	2010
24	Design of a mode decoupling statcom for voltage control of wind-driven induction generator systems	2010
25	Design of controller for pmsm	2010
26	Design on vector control system of ac motor for hybrid electric vehicles	2010
27	Dynamic dc-bus voltage control strategies for a three-phase high power shunt active power filter	2010
28	Dynamic hysteresis current control to minimize switching for three-phase four-leg vsi topology to compensate nonlinear load	2010
29	Effects of switching asymmetry on an isolated full-bridge boost converter	2010
30	Enhancement of power quality in distribution system using d-statcom	2010
31	Estimation and mitigation of voltage and current harmonics in distribution systems	2010
32	Facts device: distributed power-flow controller (dpfc)	2010
33	Fault-location system for multi terminal transmission lines	2010
34	Feasibility study on application of voltage source inductive filtering converter in hvdc-light systems	2010
35	Flexible power electronic transformer	2010
36	Harmonic elimination in single phase systems by means of a hybrid series active filter (hsaf)	2010
37	High-efficiency voltage regulator for rural networks	2010
38	Implementation and control of an hybrid multilevel converter with floating dc-links for current wave-form improvement	2010
39	Implementation and performance evaluation of a fast dynamic control scheme for capacitor-supported interline dvr	2010
40	Input-output linearization and robust sliding-mode controller for the vsc-hvdc transmission link	2010
41	Instantaneous power control of d-statcom with consideration of power factor correction	2010
42	Modeling and simulation of an asynchronous generator with ac/dc/ac converter fed rlc series	2010
43	Multiband hysteresis modulation and switching characterization for sliding-mode-controlled cascaded multilevel inverter	2010

44	Non linear control of statcom	2010
45	Novel direct torque control based on space vector modulation with adaptive stator flux observer for induction motors	2010
46	Optimized modulation for ac–dc harmonic immunity in vsc hvdc transmission	2010
47	Performance investigation of neural-network-based unified power-quality conditioner	2010
48	Power-management strategies for a grid-connected pv-fc hybrid system	2010
49	Reference current computation for active power filters by running dft techniques	2010
50	Research on three-level static synchronous compensator	2010
51	Ripple current reduction of a fuel cell for a single-phase isolated converter using a dc active filter with a center tap	2010
52	Simulation of four quadrant operation & speed control of bldc motor on matlab / Simulink	2010
53	Single-phase ac–ac converter based on quasi-z-source topology (PEDS)	2010
54	Single-phase hybrid active power filter using single switch parallel active filter and simple passive filter	2010
55	Single-phase to three-phase drive system using two parallel single-phase rectifiers	2010
56	Super capacitors and battery power management for hybrid vehicle Applications using multi boost and full bridge converters (CREEBEL)	2010
57	Torque ripple reduction in direct torque control of induction machines by use of all voltage vectors of matrix converters	2010
58	Vector controlled pmsm drive based on fuzzy speed controller	2010
59	Voltage security analysis of power systems under deregulation	2010
60	Wind farm to weak-grid connection using upqc custom power device	2010
61	A Single-Phase Voltage-Controlled Grid-Connected Photovoltaic System With Power Quality Conditioner Functionality	2009
62	A Control Methodology and Characterization of Dynamics for a Photovoltaic (PV) System Interfaced With a Distribution Network	2009
63	A New Proposal for Power Quality and Custom Power Improvement: OPEN UPQC	2009
64	A Simplified Space -Vector PWM for Three Level Inverters Applied to Passive and Motor Load	2009
65	A variable speed, sensor less, induction motor using dc link measurement	2009
66	A Versatile Control Scheme for a Dynamic Voltage Restorer for Power-Quality Improvement	2009
67	An Improved UPFC Control for Oscillation Damping	2009
68	Analysis and Control of Buck-Boost Chopper Type AC Voltage Regulator	2009
69	Analytical Modeling of a Square Wave Controlled Cascaded Multilevel STATCOM	2009
70	Characteristics of the Magnetic Energy Recovery Switch (MERS) as a Series FACTS Controller	2009

71	Constant Power Control and Fault-Ride-Through Enhancement of DFIG Wind Turbines with Energy Storage	2009
72	Design and analysis of dynamic voltage restorer for deep voltage sag and harmonic compensation (IETGTD)	2009
73	Design of a Modular UPQC Configuration Integrating a Components Economical Analysis	2009
74	Development of Hybrid Active Power Filter Based on the Adaptive Fuzzy Dividing Frequency-Control Method	2009
75	Direct Power and Torque Control for Three-level NPC Based PWM ac/dc/ac Converter	2009
76	Double Frequency Buck converter	2009
77	Dynamic Modeling and Simulation of Hybrid Power Systems Based on Renewable Energy	2009
78	Dynamic Voltage Restorer Based on Flying Capacitor Multilevel Converters Operated by Repetitive Control	2009
79	Harmonic Analysis and Improvement of a New Solid-State Fault Current Limiter	2009
80	Impact of TCSC on enhancing power system stability	2009
81	Modeling and Real-Time Simulation of Non-Grid- Connected Wind Energy Conversion System	2009
82	Modeling of FACTS Devices Based on SPWM VSCs	2009
83	MultiConverter Unified Power-Quality Conditioning System: MC-UPQC	2009
84	New multivariable dynamic model & robust control of a Voltage Source Converter for power system application	2009
85	New Resonant Pole Inverter for Battery Fed Brushless DC Motor Drive	2009
86	Operation and control of single phase micro-sources in a utility connected grid	2009
87	Optimal placement of shunt connected facts devices in a series compensated long transmission line (WCE)	2009
88	Optimization of PI coefficients in DStatcom non linear controller for regulating dc voltage using Generic Algorithm	2009
89	Optimum Space Vector Computation Technique for Direct Power Control	2009
90	Output Feedback Control of Single-Phase UPQC Based on a Novel Model	2009
91	PMSM speed sensor less direct torque control based on EKF	2009
92	Reduced rating VSC with a Zig-Zig transformer for current compensation in three phase four wire distribution system	2009
93	Seven-Level Shunt Active Power Filter for High-Power Drive Systems	2009
94	Simulation of Dynamic Voltage Restorer Using Hysteresis Voltage Control(EJSR)	2009
95	Soft computing techniques for the control of an active power filter	2009
96	Space Vector Method for Voltage Dips and Swells Analysis	2009
97	Study on a Novel Hybrid Active Power Filter Applied to a High-Voltage Grid	2009

98	The use of facts devices in distributed power systems-modeling, interface case study(IJCEE)	2009
99	Transient stability control of TCSC	2009
100	UPQC signal detection algorithm based on PSO-Fuzzy	2009
101	Voltage flicker compensation using STATCOM	2009
102	Wide speed range estimation with parameter identification schemes of sensor less induction motors	2009
103	A 24-pulse AC-DC converter employing a pulse doubling technique for a vector-controlled induction motor drives(IETE)	2008
104	A new technique for simultaneous detection of one to two open-switch faults in three phase voltage- inverter-fed pm brushless dc motor drive(JEE)	2008
105	A Two-Level, 48-Pulse Voltage Source Converter for HVDC Systems(NPSC)	2008
106	An Integrated Hybrid Power Supply for Distributed Generation Applications Fed by Nonconventional Energy Sources	2008
107	Artificial Immune System Based DSTATCOM Control for an Electric Ship power System	2008
108	Control of grid-interfacing inverters with integrated voltage unbalance correction	2008
109	Control strategies for distribution static compensator for power quality improvement(IETE)	2008
110	DTC-SVM scheme for induction motors fed with a three level inverter (PWASET)	2008
111	Enhancing Power Transfer Capacity of Transmission System by a Reduced Magnetics Based 48-Pulse STATCOM Controller	2008
112	Five-Level Diode Clamped Inverter to Eliminate Common Mode Voltage & Reduce dv/dt in Medium Voltage Rating Induction Motor Drives	2008
113	Fuzzy logic based control of variable speed induction machine wind generation system	2008
114	H-bridge vsc with a t-connected transformer based Three-phase four-wire dstatcom for power quality Improvement(NSC)	2008
115	Hybrid cascaded multilevel inverter with PWM control method	2008
116	Modeling and implementation of an improved DSVM scheme for PMSM DTC	2008
117	Modeling and Power Quality Enhancement to AC Drives Based on Synchronous PI Current Control Technology of PWM Rectifier	2008
118	Modeling and simulation of wind/photovoltaic hybrid electric power system inter connected electrical grid utility	2008
119	New Online Loss-Minimization-Based Control of an Induction Motor Drive	2008
120	Optimum Control of Selective and Total Harmonic Distortion in Current and Voltage under Non sinusoidal Conditions	2008
121	Study of HVDC for its enhancement on AC/DC interconnected transmission systems	2008
122	Switching losses and harmonic investigations in multilevel inverters (IETE)	2008

EEE - EMBEDDED LIST

S.NO	PROJECT NAME	Standard
123	Intelligent Online Measurement And Management Of Energy Meter Data Through Advanced Wireless Network	IEEE
124	Development Of An Power Transmission Line Online Monitoring System	IEEE
125	Protection And Control Of Low Voltage Motors Used In Industrial Applications	IEEE
126	Electronic Energy Meter With Instant Billing	IEEE
127	Solar Tracking System For Optimal Power Generation	IEEE
128	The Temperature Humidity Monitoring System Of Soil Based On Wireless Sensor Networks	IEEE
129	Micro-Controller Based Closed Loop Control Of Induction Motor Using V/F Method	IEEE
130	Secured Wireless Communication For Industrial Automation And Control	IEEE
131	Low Cost Wireless Sensor Network In Field Operation Monitoring Of AC Motor	IEEE
132	Wireless Security Control System & Sensor Network For Smoke & Fire Detection	IEEE
133	Design Of Sensor Modules Of Active & Intelligent Energy-Saving System	IEEE
134	Microcontroller-Based Automatic Irrigation System With Moisture Sensors	IEEE
135	Green Home Energy Management System Through Comparison Of Energy Usage Between The Same Kinds Of Home Appliances	IEEE
136	Secured Power Transmission With Loss Analysis	IEEE
137	An Efficient Monitoring Of Substations Using Microcontroller Based Monitoring System	IEEE
138	Remote Power On/Off Control And Current Measurement For Home Electric Outlets Based On A Low-Power Embedded Board And Zigbee Communication	IEEE
139	Microcontroller Based Variable Frequency Power Inverter	IEEE
140	Design And Development Of Prepaid Energy Meter With Serial Data Transmission	IEEE
141	Design Of Ultra Low Cost Cell Phone Based Embedded System For Irrigation	IEEE
142	Design Of Substation Temperature Monitoring System Based On Wireless Sensor Networks	IEEE
143	A Remote Home Security System Based On Wireless Sensor Network And GSM Technology	IEEE
144	Microcontroller Based Clockwise And Anticlockwise Stepper Motor Controller	IEEE
145	Realization Of Solar Water Heating Controlling Board	IEEE

146	A Zigbee Smart Energy Implementation For Energy Efficient Buildings	IEEE
147	Development Of A Smart Power Meter For Ami Based On Zigbee Communication	IEEE
148	Study On Precision Water-Saving Irrigation Automatic Control System By Plant Physiology	IEEE
149	Wireless Communication System For Energy Meter Reading	IEEE
150	Microcontroller Based Smart Charge Controller For Standalone Solar Photovoltaic Power Systems	IEEE
151	Design Of An Intelligent SMS Based Remote Metering System	IEEE
152	A Wireless Data Acquisition And Transmission System Design	IEEE
153	Four Quadrant Chopper Drive For The Dc Motor Speed Control	IEEE
154	Information Model And Communication Protocol For Remote Monitoring Of Power Supply	IEEE
155	Energy Management With Zigbee Sensor Network	IEEE
156	A Novel Technique Of Ac Power Control Using Micro Controller Based Inverter	IEEE
157	An On-Line Monitoring System Of Temperature Of Conductors And Fittings Based On GSM-SMS And Zigbee	IEEE
158	GSM-Based Distribution Transformer Monitoring System	IEEE
159	Power Meter Design	IEEE
160	GSM-Based Wireless Home Appliances Monitoring & Control System	IEEE
161	Protection Of Power Transformer Using Microcontroller-Based Relay	IEEE
162	Automatic Active Phase Selector From 3-Phase Supply To Single Phase Load	Non-IEEE
163	3-Phase Circuit Breaker	Non-IEEE
164	Automatic Changeover Switch For Uninterrupted Power Supply	Non-IEEE
165	Automated System For Fault Analysis In Industries Using GSM	Non-IEEE
166	Digital Pre-Paid Energy Meter Using Mi-Fare Card Technology	Non-IEEE
167	Intelligent Power Sharing Of Transformers With Auto Protection	Non-IEEE
168	SCADA	Non-IEEE
169	Remote Operated Speed Control Of Exhaust Fan Using RF / IR	Non-IEEE
170	Wireless Power Grid Controller	Non-IEEE
171	Uninterrupted Power Supply Management System For Industries Using GSM	Non-IEEE
172	Two Quadrant Chopper Drive For The Dc Motor Speed Control	Non-IEEE

173	Four-Channel Fault Annunciation For Industries	Non-IEEE
174	PWM Based Speed Control Of Ac Motor Using Power Electronics Device	Non-IEEE
175	Distributed Load Control Of Autonomous Renewable Energy Systems	Non-IEEE
176	GSM Based Universal Motor Speed Control	Non-IEEE
177	Secure Remote Control System With Receiver Controlled To Add And Delete Identity Codes	Non-IEEE
178	Speed Control Of Universal Motor By Using IGBT	Non-IEEE
179	IR Remote Interfacing With Zigbee For Home Automation	Non-IEEE
180	Back To Back SCR's To Control The Speed Of A Universal Motor	Non-IEEE
181	Monitoring And Automation Of Cultivation And Data Transfer By Using Zigbee	Non-IEEE
182	Remote Vehicle Controlling Through PC And DAS	Non-IEEE
183	Automatic Temperature Based Exhaust Fan Controller	Non-IEEE

Other Services we Offer:

✓ ADVANCED TECHNICAL - TRAINING ON :

REAL - TIME EMBEDDED SYSTEMS

- ▶ C / C++
- ▶ ARM 7 / 9
- ▶ Operating System (LINUX)
- ▶ RTOS

SOFT WARE COURSES

- ▶ Oracle Applications(R11i & R12i)
 - Oracle App's Functional
 - Oracle App's Technical
 - Oracle dba
 - Oracle App's dba
- ▶ Java
- ▶ .NET

✓ PRE - PLACEMENT TRAINING ON:

- ▶ Soft - Skills
- ▶ Aptitude



About Placements:

- ▶ Enrolled as a Prime-Vendor for Providing Manpower with Mid & Large Scale Companies.
- ▶ Working with a motto to bridge the gap between Students & Industry Needs.
- ▶ Conducted more than 20+ On-Campus Drives at Different Colleges in Andhra Pradesh.
- ▶ Placed more than 500+ Students in MNC's.
- ▶ Maintaining a Database of more than 25,000+ Profiles.
- ▶ In-House Recruitment Drives twice every month.

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