

BECOME A SMARTER

Lambda

EMBEDDED SYSTEM & SOLUTIONS



**COURSES AND PROJECTS OFFERED IN FOLLOWING
TECHNOLOGIES**

DSP

- ❖ **Image Processing**
- ❖ **Audio Processing**
- ❖ **Video Processing**
- ❖ **WLAN, WiMAX**

MICRO

- ❖ **Automation**
- ❖ **Robotics**
- ❖ **Bio Medical**
- ❖ **Wireless**
- ❖ **Instrumentation**

VLSI

- ❖ **Algorithm Implement**
- ❖ **Protocols Design**
- ❖ **Low power Designs**
- ❖ **Real Time Applications**

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COMPANY PROFILE

“Lambda Embedded Systems and Solutions” is founded by a group of well experienced embedded professionals to explore more on semiconductor technologies. We join hands with industries, students and partners to explore more. We believe in **“gain more knowledge by giving knowledge to others”**.

We “Lambda Embedded Systems and Solutions” have expertise in DSP, MICRO, VLSI and MATLAB. We providing solutions on embedded systems to the industries and joining hands with industries and students to do R&D to explore the technology with new ideas and mentoring about the embedded technologies to the industrial professionals, educational professionals and fresh professionals.

We achieve success in meeting all of your needs. Moreover by following the philosophy of efficient and skilled training. We built you something you can actual use.

All the course training and projects are given based on Industrial standards and Expectations.

What we specialize in...

- Certificate Courses (DSP/MICRO/VLSI/LABVIEW).
- Diploma Courses in DSP, MICRO & VLSI.
- In Plan Training & Workshops.
- Advanced Diploma Course in DSP, MICRO & VLSI.
- Final year projects (Major & Mini).
 - UG & PG final year projects – designed to handle current technology trends.

OUR INTENTION:-

We have been train up ever student in Embedded Systems (DSP, MICRO, VLSI, MATLAB & LABVIEW) based on students expectation. Our training is entirely smart and also fulfills the industries requirements and expectation.

MISSION:-

- ❖ Gain more knowledge by giving knowledge to others.
- ❖ We can do more than, I can do.

VISION:-

- ❖ We are going to make the expert engineers.
- ❖ We prove our knowledge in semiconductors technologies.

SILENT FEATURES:-

- ❖ Well experienced & educationally qualified faculty in Embedded Systems.
- ❖ We have a smart lab atmosphere.
- ❖ Teaching strategy is practically.
- ❖ All the students get satisfied their requirement.
- ❖ We guide you (not give you) to Implement your Project & Do it yourself.
- ❖ Students can get Individual R&D Ideas.

WHAT IS IEEE?

The **Institute of Electrical and Electronics Engineers** or **IEEE** is incorporated in the state of New York, United States. It was formed in 1963 by the merger of institute of Radio Engineers (IRE, founded 1912) and the American Institute of Electrical Engineers (AIEE, founded 1884). A membership organization comprised of engineers, scientists and students that sets standards for computers and communications. It is a nonprofit organization with more than 365,000 members in around 150 countries.

The IEEE describes itself as “the world’s largest technical professional society – promoting the development and application of electro technology and allied sciences for the benefit of humanity, the advancement of the profession, and the well - being of our members.”

Why IEEE based projects?

- ✓ It grants for standard
- ✓ It assured latest solution for Problems
- ✓ It delivers new patented technologies at an ever- increasing pace

It access world – class technical information provided by the IEEE and cut down your research time.

Microcontroller

Define Microcontroller :-

A highly integrated chip that contains all the components comprising a controller. Typically this includes a CPU, RAM, some form of ROM, I/O ports, and timers. Unlike a general-purpose computer, which also includes all of these components, a microcontroller is designed for a very specific task -- to control a particular system. As a result, the parts can be simplified and reduced, which cuts down on production costs.

Microcontrollers are sometimes called embedded microcontrollers, which just means that they are part of an embedded system -- that is, one part of a larger device or system.

Application :-

The home monitoring system, embedded processors and microcontrollers are frequently found in: appliances (microwave oven, refrigerators, television and VCRs, stereos), computers and computer equipment (laser printers, modems, disk drives), automobiles (engine control, diagnostics, climate control), environmental control (greenhouse, factory, home), instrumentation, aerospace, and thousands of other uses. In many items, more than one processor can be found.

Microcontrollers :-

1. MSP430F2466.
2. PIC16F, PIC18F, PIC24F.
3. ARM-LPC2129, LPC2148.
4. dsPIC30F4011.
5. P89V51RD.
6. AT89S5X.

MICRO IC Manufacturing Companies :-

1. Texas Instruments.
2. Microchip.
3. Atmel.
4. Panasonic.
5. NXP
6. MAXIM

IEEE PROJECTS IN MICRO

RFID TECHNOLOGY

LMRT 01.	Design of monitoring and management system of tourist attractions based on RFID technology.	IEEE 2012
LMRT 02.	A design of self-service speech explaining system based on RFID.	IEEE 2012
LMRT 03.	A ZigBee-based miner localization system.	IEEE 2012
LMRT 04.	Design of auto-guard system based on RFID and network	IEEE 2011
LMRT 05.	Wearable object detection system for the blind.	IEEE 2012
LMRT 06.	A hospital resource and patient management system based on real-time data capture and intelligent decision making.	IEEE 2012
LMRT 07.	Design of a passive tag for indoor localization.	IEEE 2012
LMRT 08.	Fault-tolerant RFID reader localization based on passive RFID tags	IEEE 2012
LMRT 09.	A design of bi-verification vehicle access intelligent control system based on RFID	IEEE 2011
LMRT 10.	A multi-channel remote controller for home and office appliances	IEEE 2012
LMRT 11.	RFID tag antenna embedded in concrete structures for construction industry.	IEEE 2012
LMRT 12.	A remote home security system based on wireless sensor network and GSM technology	IEEE 2012
LMRT 13.	Sensing-enabled defenses to RFID unauthorized reading and relay attacks without changing the usage model.	IEEE 2012
LMRT 14.	A standalone RFID indoor positioning system using passive tags	IEEE 2012
LMRT 15.	A design of self-service speech explaining system based on RFID.	IEEE 2012
LMRT 16.	RFID and ZigBee based manufacturing monitoring system	IEEE 2012
LMRT 17.	Low-Cost Capacitive Humidity Sensor for Application Within Flexible RFID Labels Based on Microcontroller Systems.	IEEE 2012
LMRT 18.	RFID-based traceability system for architectural concrete.	IEEE 2011
LMRT 19.	A wireless quiz system using low power microcontrollers	IEEE 2011
LMRT 20.	Design of localization and management system for coal mine personnel based on RFID.	IEEE 2011
LMRT 21.	The design and implementation of intelligent campus security tracking system based on RFID and ZigBee.	IEEE 2011
LMRT 22.	Unicursal gesture interface for TV remote with touch screens	IEEE 2011
LMRT 23.	An indoor location-based access control system by RFID.	IEEE 2011
LMRT 24.	The application and problem analysis of RFID.	IEEE 2011
LMRT 25.	An intelligent low-cost scanning range finder	IEEE 2011
LMRT 26.	Study of a scenic spot monitoring system based on RFID and multi-sensor information fusion technology.	IEEE 2011
LMRT 27.	RFID-Embedded Decision Support for Tracking Surgical Equipment.	IEEE 2011
LMRT 28.	Intelligent Traffic Management system base on WSN and RFID	IEEE 2011
LMRT 29.	A secure authentication protocol for RFID	IEEE 2011
LMRT 30.	An ECDLP-Based Randomized Key RFID Authentication Protocol.	IEEE 2011
LMRT 31.	Power harvesting for smart sensor networks in monitoring water distribution system	IEEE 2011
LMRT 32.	RFID and sensors enabled In-home elderly care.	IEEE 2011
LMRT 33.	Design of Tourist Positioning System of Digital Scenic based on RFID technology.	IEEE 2011
LMRT 34.	Self healthcare management system based on RFID technology.	IEEE 2011
LMRT 35.	RFID based physical fitness condition measurement system.	IEEE 2011
LMRT 36.	RFID passport verification using labview	IEEE 2011
LMRT 37.	Autonomous Mobile Robot Navigation Systems Using RFID and their Applications.	IEEE 2012
LMRT 38.	Petrol Bunk automation using smar card	IEEE 2012
LMRT 39.	An implementation of Laundry Management System based on RFID hanger and wireless sensor network.	IEEE 2012
LMRT 40.	Development of a smart clear path indicator	IEEE 2011

LMRT 41.	RFID based electronic passport system.	
LMRT 42.	An embedded system and RFID solution for transport related issues	IEEE 2011
LMRT 43.	Low-Cost Capacitive Humidity Sensor for Application Within Flexible RFID Labels Based on Microcontroller Systems.	IEEE 2012
LMRT 44.	Real-time travel time estimation on highways using loop detector data and license plate recognition.	IEEE 2012

WIRELESS TECHNOLOGY (RF & ZIGBEE)

LMWT 01.	Speech recognition based wireless automation of home loads with fault identification for physically challenged.	IEEE 2012
LMWT 02.	Wireless temperature & humidity monitor and control system	IEEE 2012
LMWT 03.	Energy-Optimized Driving with an Autonomous Vehicle in Urban Environments	IEEE 2012
LMWT 04.	Wireless energy autonomous sensor networks for automobile safety systems.	IEEE 2012
LMWT 05.	Design and Implementation of Wireless Obstacle Detection System for Safety Locomotion.	IEEE 2012
LMWT 06.	Remote management and control system for LED based plant factory using ZigBee and Internet.	IEEE 2012
LMWT 07.	Wireless sensor networks for traffic management and road safety.	IEEE 2012
LMWT 08.	The Design of Tungsten Mine Environment Monitoring System Based on Wireless Sensor Networks.	IEEE 2012
LMWT 09.	Student attendance monitoring at the university using NFC	IEEE 2012
LMWT 10.	Bus Monitoring System Based on ZigBee and GPS.	IEEE 2012
LMWT 11.	A ZigBee-Based Wearable Physiological Parameters Monitoring System.	IEEE 2012
LMWT 12.	Embedded controller in farmers pump by solar energy .	IEEE 2012
LMWT 13.	Remote monitoring and controlling of gas sensors using VPN(Virtual Private Networks) connection.	IEEE 2012
LMWT 14.	In-building lighting management system with wireless communications	IEEE 2012
LMWT 15.	A wireless surveillance and safety system for mine workers based on ZigBee using Labview	IEEE 2012
LMWT 16.	Combined scheduling of ultrasound and GPS signals in a wearable ZigBee-based guidance system for the blind	IEEE 2012
LMWT 17.	Robots for Environmental Monitoring: Significant Advancements and Applications.	IEEE 2012
LMWT 18.	Intelligent wireless street lighting system.	IEEE 2012
LMWT 19.	Intelligent energy management system for smart offices using Zigbee	IEEE 2012
LMWT 20.	Real-time human tracking using fusion sensor for home security robot.	IEEE 2012
LMWT 21.	Indoor localization and guidance system for disabled people	IEEE 2011
LMWT 22.	Automatic monitoring system of granary based on WSN	IEEE 2011
LMWT 23.	Building lighting automation through the integration of DALI(GSM) with wireless sensor networks.	IEEE 2012
LMWT 24.	Energy Monitoring System Using Sensor Networks in Residential Houses.	IEEE 2012
LMWT 25.	Modern house automation (AC/DC) using RF communication.	IEEE 2012
LMWT 26.	Effective wireless transmission for Body Sensor Networks of plant operators.	IEEE 2012
LMWT 27.	A ZigBee-based miner localization system.	IEEE 2012
LMWT 28.	The water quality monitoring system based on WSN.	IEEE 2012
LMWT 29.	ZigBee based energy efficient outdoor lighting control system.	IEEE 2012
LMWT 30.	Autonomous Unmanned Surface Vehicle a microcontroller based approach.	IEEE 2012
LMWT 31.	Parking spaces detection in indoor environments based on Zigbee.	IEEE 2012
LMWT 32.	Accident reproduction system for the identification of human factors involved on traffic accidents.	IEEE 2012
LMWT 33.	A ZigBee based smart wireless sensor network for monitoring an agricultural environment.	IEEE 2012
LMWT 34.	Wireless Sensors Network in the Efficient Management of Greenhouse Crops.	IEEE 2012
LMWT 35.	Metal mine underground safety monitoring system based on WSN.	IEEE 2012

LMWT 36.	Design of tropical crops pests monitoring system based on wireless sensor network.	IEEE 2012
LMWT 37.	Lighting control system based on DALI and wireless sensor networks.	IEEE 2012

GPS-GSM TECHNOLOGY

LMGT 01.	Application of Long-Distance Wireless Communication Technologies in Automatic Water Metering System	IEEE 2011
LMGT 02.	Design of the automatic acquisition system based on GSM&GPS.	IEEE 2012
LMGT 03.	GPS RFID-tag for indoor location information and additional user information providing.	IEEE 2012
LMGT 04.	Aided Navigation Techniques for Indoor and Outdoor Unmanned Vehicles.	IEEE 2012
LMGT 05.	Stepper motor control using RF communication for angel control applications.	IEEE 2012
LMGT 06.	Online control of fuzzy based mine detecting robot using virtual instrumentation.	IEEE 2012
LMGT 07.	Vision-based guidance, navigation and control for Unmanned Aerial Vehicle landing.	IEEE 2012
LMGT 08.	Aerial mapping using autonomous fixed-wing unmanned aerial vehicle.	IEEE 2012
LMGT 09.	A simple visual navigation system for an UAV.	IEEE 2012
LMGT 10.	Analysis and implementation of a wireless sensor network with remote access through SMS.	IEEE 2012
LMGT 11.	An autonomous robot based on a Wheelchair.	IEEE 2012
LMGT 12.	Bus-Stop Control Strategies Based on Fuzzy Rules for the Operation of a Public Transport System.	IEEE 2012
LMGT 13.	Robust railway crack detection scheme (RRCDS) using LED-LDR assembly & collusion avoiding	IEEE 2012
LMGT 14.	Positioning and Tracing System Study of All Terrain Forest Fire Patrolling and Fighting Vehicle.	IEEE 2012
LMGT 15.	Path following with backtracking based on fuzzy controllers for forward and reverse driving.	IEEE 2012
LMGT 16.	Low-cost, High-accuracy, state estimation for vehicle collision prevention system.	IEEE 2012
LMGT 17.	eCall: Automatic notification of a road traffic accident	IEEE 2011
LMGT 18.	A system for mobile assisted living.	IEEE 2012
LMGT 19.	Design of concealed alarm system based on GSM.	IEEE 2012
LMGT 20.	Alarm system of railway crossing based on GPS and GPRS.	IEEE 2011
LMGT 21.	Realization of intelligence monitoring system based on remote sensor technology.	IEEE 2012
LMGT 22.	Traffic accident automatic detection and remote alarm device.	IEEE 2012
LMGT 23.	Bus Monitoring System Based on ZigBee and GPRS.	IEEE 2012
LMGT 24.	Design of remote intelligent home system based on ZigBee and GPRS technology.	IEEE 2012
LMGT 25.	Unmanned monitoring system of rivers and lakes based on WSN.	IEEE 2012
LMGT 26.	Position Matching Based Autonomous Speed Regulation System for Vehicles.	IEEE 2012
LMGT 27.	Field variables monitoring in real time (GPS, soil moisture, temperature) with precision farming applications.	IEEE 2012
LMGT 28.	The system of wireless smart house based on GSM and zigbee.	IEEE 2012
LMGT 29.	An Embedded Interface for GSM Based Car Security System	IEEE 2012
LMGT 30.	Anti theft control system design using embedded system.	IEEE 2011
LMGT 31.	Design of auto-guard system based on RFID and network.	IEEE 2011
LMGT 32.	Car monitoring, alerting and tracking model: Enhancement with mobility and database facilities.	IEEE 2011
LMGT 33.	A model for traffic control in urban environments.	IEEE 2011
LMGT 34.	Flood monitoring system (MyFMS).	IEEE 2011
LMGT 35.	Password based home automation and security system	IEEE 2011

ROBOTICS

LMRB 01.	RF communication based industrial system for robot status detection from remote location.	IEEE 2012
LMRB 02.	A microcontroller-based mobile robotic platform for odor detection based on Labview .	IEEE 2012
LMRB 03.	A new collision warning system for lead vehicles in rear-end collisions.	IEEE 2012
LMRB 04.	Optical flow based obstacle avoidance for the visually impaired.	IEEE 2012
LMRB 05.	Human visual system inspired object detection and recognition.	IEEE 2012
LMRB 06.	Embedded system applied to obstacles detection in a mobile controlled by a PC via Labview	IEEE 2012
LMRB 07.	Autonomous navigation robot for landmine detection applications.	IEEE 2012
LMRB 08.	Autonomous human tracking of multiple robotic lamps.	IEEE 2012
LMRB 09.	Autonomous robot human detecting and tracking based on stereo vision.	IEEE 2011
LMRB 10.	Application of Radio Frequency Controlled Intelligent Military Robot in Defense.	IEEE 2011
LMRB 11.	A lateral controller design for an unmanned vehicle.	IEEE 2011
LMRB 12.	Design and Implementation of Mobile Robot Remote Fire Alarm System.	IEEE 2011
LMRB 13.	Search and rescue system based on the dispersed main-extension robots.	IEEE 2011

AUTOMOBILE APPLICATIONS

LMAA 01.	Energy and power needs of electric vehicles.	IEEE 2012
LMAA 02.	Pressure-Based Clutch Control for Automotive Transmissions Using a Sliding-Mode Controller.	IEEE 2012
LMAA 03.	Starter-alternator propel the vehicle through a hybrid supply: Battery and super capacitors.	IEEE 2012
LMAA 04.	Wireless energy autonomous sensor networks for automobile safety systems.	IEEE 2012
LMAA 05.	Diagnosis of Local Spot Defects in Analog Circuits.	IEEE 2012
LMAA 06.	Security concerns of a plug-in vehicle.	IEEE 2012
LMAA 07.	Behavioral modeling of power line communication channels for automotive applications.	IEEE 2012
LMAA 08.	A novel approach to feed electric bus on traction.	IEEE 2012
LMAA 09.	Stereo-Camera-Based Urban Environment Perception Using Occupancy Grid and Object Tracking.	IEEE 2012
LMAA 10.	Development of an actively controlled vehicle suspension for passenger vehicles.	IEEE 2012
LMAA 11.	CO2 sensor with data logger system.	IEEE 2012
LMAA 12.	Autonomous electric vehicle: Steering and path-following control systems.	IEEE 2012
LMAA 13.	A MEMS Acceleration Sensor for Traffic Condition Detection.	IEEE 2012
LMAA 14.	Incident management integration tool: dynamically predicting incident durations, secondary incident occurrence and incident delays.	IEEE 2012
LMAA 15.	Tracking and Pairing Vehicle Headlight in Night Scenes.	IEEE 2012
LMAA 16.	Using cellular automata on recommendation mechanism for smart parking in vehicular environments.	IEEE 2012
LMAA 17.	Efficient Detection Scheme for Urban Traffic Congestion Using Buses.	IEEE 2012
LMAA 19.	Floating Car Data Augmentation Based on Infrastructure Sensors and Neural Networks.	IEEE 2012
LMAA 20.	Automatic Ambulance Rescue System.	IEEE 2012

LMAA 21.	Vehicle control system for automatic valet parking with infrastructure sensors.	IEEE 2011
LMAA 22.	Automatic Valet Parking System incorporating a nomadic device and parking servers.	IEEE 2011
LMAA 23.	Design of vertical parking monitor system.	IEEE 2011
LMAA 24.	Automatic license plate recognition based on a projection method.	IEEE 2011
LMAA 25.	Handling stability analysis of traffic vehicle at high velocity on the bend surface.	IEEE 2011
LMAA 26.	A Real-Time Vision System for Nighttime Vehicle Detection and Traffic Surveillance.	IEEE 2011
LMAA 27.	Intelligent Highway Traffic Surveillance With Self-Diagnosis Abilities.	IEEE 2011
LMAA 28.	A retrieval system of vehicles based on recognition of license plates	IEEE 2011

BIO MEDICAL APPLICATIONS

LMBM 01.	The Custom Focus Design of Bio-medical Wireless Sensor Networks.	IEEE 2012
LMBM 02.	Automated voice based home navigation system for the elderly and the physically challenged	IEEE 2012
LMBM 03.	Novel technique radio frequency identification (RFID) based to manage patient flow in a radiotherapy department.	IEEE 2012
LMBM 04.	Biometric attendance system	IEEE 2011
LMBM 05.	Mobile healthcare service system using RFID.	IEEE 2012
LMBM 06.	Humidity Sensing by Polymer-loaded UHF RFID Antennas.	IEEE 2012
LMBM 07.	Rhythm-based adaptive localization in incomplete RFID landmark environments.	IEEE 2012
LMBM 08.	Voice recognition based wireless home automation system	IEEE 2012
LMBM 09.	Design of a wireless medical monitoring system.	IEEE 2011
LMBM 10.	Latency of web service in health care system using GSM networks.	IEEE 2011
LMBM 11.	Computing technology used in retrieval of patient's record.	IEEE 2011
LMBM 12.	Life Stream: Real-Time Bio-Signal Remote Monitoring System.	IEEE 2011
LMBM 13.	Design of a Wireless Medical Monitoring System.	IEEE 2011
LMBM 14.	Wireless ECG monitoring and alarm system using ZigBee.	IEEE 2011
LMBM 15.	Design of ECG monitoring system based on wireless sensor network	IEEE 2011
LMBM 16.	Optimized WSN for ECG monitoring in ubiquitous healthcare system.	IEEE 2011
LMBM 17.	TeleHealth: Healthcare technologies and TeleHealth Emergency (THE) system.	IEEE 2011
LMBM 18.	Speech recognition based wireless automation of home loads with fault identification for physically challenged	IEEE 2012
LMBM 19.	Indoor optical wireless system dedicated to healthcare application in a hospital	IEEE 2012
LMBM 20.	Voice activation system using acoustic event detection and keyword/speaker recognition	IEEE 2012

ELECTRICAL PROJECTS

LMEP 01.	Environmental sensor networks using existing wireless communication systems for rainfall and wind velocity measurements.	IEEE 2012
LMEP 02.	Solar photovoltaic power conversion using modular multilevel converter.	IEEE 2012
LMEP 03.	Seasonal Energy Storage in a Renewable Energy System.	IEEE 2012
LMEP 04.	Design of a photovoltaic system for a rural house.	IEEE 2012
LMEP 05.	An advanced smart management system for electric vehicle recharge.	IEEE 2012

LMEP 06.	Simple maximum power extraction control for permanent magnet synchronous generator based wind energy conversion system.	IEEE 2012
LMEP 07.	Revolving doors producing green energy.	IEEE 2012
LMEP 08.	Solar Power Based Impedance - Source Converter for BLDC Motor with Closed Loop Control.	IEEE 2011
LMEP 09.	Four switch three phase inverter control of BLDC motor.	IEEE 2011
LMEP 10.	Electronic system for improvement of solar plant efficiency by optimized algorithm implemented in biaxial solar trackers	IEEE 2011
LMEP 11.	An efficient home energy management system based on Automatic Meter Reading	IEEE 2011
LMEP 12.	Temperature-controlling system based on TEC	IEEE 2011
LMEP 13.	A channel model for power line communication in the smart grid	IEEE 2011
LMEP 14.	Solar Tracking system for Maximum power output with real time power monitoring system	IEEE 2011
LMEP 15.	Design of DCDC Boost Converter with FNN Solar Cell Maximum Power Point Tracking Controller	IEEE 2011
LMEP 16.	Motor Multi parameter Monitoring System for fault prevention	IEEE 2011
LMEP 17.	Home automation using power line networking and ZigBee remote control(Set-top box-based home controller)	IEEE 2011
LMEP 18.	Power system stability using fuzzy logic based Unified Power Flow Controller in SMIB power system	IEEE 2012
LMEP 19.	A congestion control scheme based on fuzzy logic for wireless sensor networks	IEEE 2012
LMEP 20.	Closed loop bidirectional speed torque control of motors for heavy industrial applications	IEEE 2011

NON IEEE PROJECTS IN MICRO

LMNI 01.	SMS based Device / Home Equipment Control System.
LMNI 02.	Remote Motor Speed Control using Cell Phones.
LMNI 03.	Remote Weather Monitoring systems.
LMNI 04.	An Application of Wireless Sensor in the Oil, Gas and Resource Industries.
LMNI 05.	GSM Based Remote monitoring system for Electronic Energy meters.
LMNI 06.	An Embedded System and RFID Solution for Transport Related Issues.
LMNI 07.	GPS Based traffic Monitoring system Frequency jammer as a life guard with WAP.
LMNI 08.	Bluetooth enabled robot car.
LMNI 09.	Smart clothes and associated wearable devices for biomedical ambulatory monitoring.
LMNI 10.	EB wireless billing system.
LMNI 11.	Frequency jammer as a life guard.
LMNI 12.	Implementation of Mobile/ Cell phone Jamming systems Design.
LMNI 13.	RF Based Wireless Encryption And Decryption Message Transfer System for Military Applications.
LMNI 14.	Intelligent Security System for industrial Surveillance with GSM & Auto Dialer.
LMNI 15.	GPS Based fleet Management System.
LMNI 16.	Remote Monitoring of Energy Conservation Systems.
LMNI 17.	Gps based accident zone identification system with labview.
LMNI 18.	Hand talk using flex sensor.
LMNI 19.	Research of overall program on highway toll collection system.
LMNI 20.	Humidity monitoring in farms using microcontroller.
LMNI 21.	Remote sms instrumentation supervision and control using labview.
LMNI 22.	Intelligent sensor network for extreme environments.
LMNI 23.	Labview based industrial parameters monitoring and control from remote end.

LMNI 24.	An ultrasonic obstacle avoidance system for firefighting robot.
LMNI 25.	Encoding and decoding technique for secured data communication.
LMNI 26.	On Line Dynamic Code Acquisition For Spread Spectrum Systems.
LMNI 27.	Wireless distributed energy billing system using GSM.
LMNI 28.	HNet – a Home Network System with Mobile Communication.
LMNI 29.	Distance Measuring using Ultrasonic Technology.
LMNI 30.	Secured Wireless Communication with OFDM.
LMNI 31.	Wireless Measurement and Control System for Environmental Parameters in Green House Energy Efficient Target Coverage in Wireless Sensor Networks.
LMNI 32.	Fault diagnosis in railway track circuits using dumpster- Shafer classifier fusion.
LMNI 33.	Real time passenger information system using zigbee technology.
LMNI 34.	Voice controlled wheel chair for those with movement disability.
LMNI 35.	A Wireless Quiz System using Low Power Microcontrollers.
LMNI 36.	Smart palm device for industrial parameter Monitoring System using RF.
LMNI 37.	Automatic railway gate control using RFID and GSM.
LMNI 38.	GPS based intelligent Guided Vehicle with Collision Mitigation.
LMNI 39.	GPS GSM based patient monitoring.
LMNI 40.	Advanced Automatic Vehicle Crash Notification using GSM Technology.
LMNI 41.	Advanced GSM based Theft Vehicle notification System using Remote Pc.
LMNI 42.	Advanced remote accident report system for highways using GSM network & PC.
LMNI 43.	GSM based advanced home / industrial automation controller system.
LMNI 44.	Cell Phone Jammer - Implementation of Highly Effective Mobile / Cell Phone Jammer.
LMNI 45.	Prepaid electricity system automation with contact less proximity card & card reader.
LMNI 46.	A Control Design for Vehicle Speed using Wireless Communication Technology.
LMNI 47.	Automatic Vehicle Register System for Highways on Toll plazas.
LMNI 48.	Tracking Moving Person's Location (Position) Finder In Multi-Story's Building / Complex.
LMNI 49.	Home/Industrial Automation using GSM With Voice Feedback.
LMNI 50.	Real time passenger information system using zigbee technology.
LMNI 51.	Remote sms instrumentation supervision and control using LabVIEW.
LMNI 52.	Green house automation.
LMNI 53.	Contact less Measurement Of Emission Of Automobiles.
LMNI 54.	Remote Monitoring and control using Mobile phones.
LMNI 55.	Network enabled Electronic Digital televoting machine.
LMNI 56.	Wireless Low Cost Irrigation System.
LMNI 57.	OFDM Based Wireless Encryption/Decryption of Transfer of Messages.
LMNI 58.	Wireless Accident indication Via Vibration sensors Using RF Technology.
LMNI 59.	Anti Collision System in Railway Using GSM and GSP- Intelligent Train System with GPS.
LMNI 60.	GPS & GSM based remote Accident indication System with location indication.
LMNI 61.	GPS based Active Fleet Management- Automated Vehicle Tracking system with Dual channel communication system.
LMNI 62.	Control of substation equipments thro mobile phone.
LMNI 63.	Mobile Password Activation System for industrial applications.
LMNI 64.	Tracking Moving Person's Location (Position) Finder In Multi-Story's Building / Complex .
LMNI 65.	Hospital / Industry using System Networking.
LMNI 66.	Bluetooth Enabled Robot Car.
LMNI 67.	Embedded system based system highway monitoring.

Digital Signal Processing(DSP)

Define DSP :-

Short for digital signal processing, which refers to manipulating analog information, such as sound or photographs that has been converted into a digital form. DSP also implies the use of a data compression technique.

When used as a noun, DSP stands for digital signal processor, a special type of coprocessor designed for performing the mathematics involved in DSP. Most DSPs are programmable, which means that they can be used for manipulating different types of information, including sound, images, and video.

Application :-

1. Audio Advertisement Recognition
2. Audio Processor for Multichannel Sound Monitoring, Steering, and Shaping Applications
3. Optical (Laser) Communication System for Deep Space
4. Vibration Measurement Systems
5. Microphone Array System to Auto-Locate Sound Source
6. DSP-Based Pulse Detection
7. Signal sis Vibration Measurement Systems

DSP Processors:-

1. ADSP2181&2186.
2. ADSP21065L (SHARC).
3. TMS320C5402/5416.
4. TMS320C6711.
5. TMS320C6713.
6. TMS320LF2407A.

DSP IC Manufacturing Companies :-

1. Silicon Labs.
2. Texas Instruments Inc.
3. Infineon Technologies
4. Freescale Semiconductor, Inc.
5. ON Semiconductors

IEEE PROJECTSS IN DSP

SPEECH PROCESSING

LDSP 01.	Accelerometer-Based Respiratory Measurement During Speech.	IEEE 2011
LDSP 02.	Comparison of features extracted using time-frequency and frequency-time analysis approach for text-independent speaker identification.	IEEE 2011
LDSP 03.	Speaker Identification Within Whispered Speech Audio Streams.	IEEE 2011
LDSP 04.	Implementation of a real-time text dependent speaker identification system.	IEEE 2011
LDSP 05.	Temporal energy and correlation features from Nyquist filter bank for text independent speaker identification.	IEEE 2011
LDSP 06.	Speech compression using wavelet transforms.	IEEE 2011
LDSP 07.	Optimal factor analysis with GMM mixture pre-selection.	IEEE 2011
LDSP 08.	Voice recognition based wireless home automation system.	IEEE 2011
LDSP 09.	A pitch based noise estimation technique for robust speech recognition with Missing Data.	IEEE 2011
LDSP 10.	Simple methods for improving speaker-similarity of HMM-based speech synthesis.	IEEE 2011
LDSP 11.	Robust Multifactor Speech Feature Extraction Based on Gabor Analysis.	IEEE 2011
LDSP 12.	Dirichlet Mixture Models of neural net posteriors for HMM-based speech recognition.	IEEE 2011

AUDIO PRCESSING

LDAP 01.	A New Approach to Digital Audio Equalization.	IEEE 2011
LDAP 02.	Enhanced LMS based Feedback Loop Interference Cancellation in DVB-H Systems with Gap Fillers.	IEEE 2011
LDAP 03.	A scalable to lossless audio streaming system applicable to mobile devices.	IEEE 2011
LDAP 04.	An Efficient DSP Implantation of Wavelet Audio Coding for Digital Communication.	IEEE 2011

COMMUNICATION TECHNOLOGY

LDCT 01.	Research on the safety performance of AAA Mechanism in Cdma2000 mobile network.
LDCT 02.	M2M over CDMA2000 1x case studies.
LDCT 03.	Space-Time-Frequency Code implementation in MB-OFDM UWB communications: Design criteria and performance.
LDCT 04.	A novel approach to space-time-frequency coded MIMO-OFDM over frequency selective fading channels.
LDCT 05.	Superposition-based adaptive modulated space time block coding for MIMO-OFDM systems.
LDCT 06.	Performance Comparison of Distributed Cooperative STBC and CDD MC-CDMA Multi-Hop Relaying Systems.
LDCT 07.	FHSS for secured communication.
LDCT 08.	CDMA 2000 systems

WIRELESS NETWORKS

LDWN 01.	Real-time software implementation of an IEEE 802.11a baseband receiver on Intel multicore.
LDWN 02.	Interoperability procedures between access technologies using IEEE 802.21.
LDWN 03.	Performance of video over an IEEE 802.11a wireless LAN.
LDWN 04.	Performance evaluation of the WiMedia PHY in WPAN environments and efficiency improvement by application of LDPC codes.
LDWN 05.	Fixed point Dual Circular 32-QAM performance for Wireless USB.
LDWN 06.	Bluetooth portable device and Matlab-based GUI for ECG signal acquisition and analysis.
LDWN 07.	Throughput limits of two 802.15.4 wireless networks applications for signal acquisition.
LDWN 08.	Reliability and Energy-Efficiency in IEEE 802.15.4/ZigBee Sensor Networks: An Adaptive and Cross-Layer Approach.
LDWN 09.	Body to body network using ZigBee.
LDWN 10.	Wireless Fetal Heartbeat Monitoring System Using ZigBee and IEEE 802.15.4 Standard.
LDWN 11.	MPEG-4 video transmission using distributed TDMA MAC protocol over IEEE 802.15.4 wireless technology.
LDWN 12.	Message Denial and Alteration on IEEE 802.15.4 Low-Power Radio Networks.
LDWN 13.	Energy-Efficient DRX Scheduling for QoS Traffic in LTE Networks.
LDWN 14.	LDPC coded MIMO OFDM-based IEEE 802.11n wireless LAN.
LDWN 15.	Rate optimization for IDMA systems with iterative joint multi-user decoding.

NON IEEE PROJECTS IN DSP

LDNI 01.	Ordered subcarrier algorithm (OSSA) for BER reduction.
LDNI 02.	An Extension to the Ordered Subcarrier Selection Algorithm.
LDNI 03.	A novel orthogonal space-time-frequency block code for OFDM systems.
LDNI 04.	Superposition-based adaptive modulated space time block coding for MIMO OFDM Systems.
LDNI 05.	Performance comparison of MIMO space-time block coded MC-CDMA systems in Nakagami-m fading channel.
LDNI 06.	IEEE 802.11a Wireless LAN Protocol Baseband Module.
LDNI 07.	Performance Evaluation of the WiMedia PHY in WPAN Environments and Efficiency Improvement by Application of LDPC Codes.
LDNI 08.	Speech Based Robotic Movements LPCC.
LDNI 09.	Speaker Identification Using Mel Frequency Cepstral Coefficients.
LDNI 10.	Implementation of Speaker Recognition for Controlling a Wheel Chair.
LDNI 11.	Speech Compression using the Discrete Wavelet Transform.
LDNI 12.	Efficient Implementation Of GMM Based Speaker Verification Using Sorted Gaussian Mixture Model.
LDNI 13.	Voice Activated Printer Control Using Speech Recognition.
LDNI 14.	Novel Wavelet Based Noise Cancellation Technique.
LDNI 15.	A New Key Generation Method for Frequency Band Scrambler.
LDNI 16.	Simple methods for improving speaker-similarity of HMM-based speech synthesis.
LDNI 17.	Kalman Filter Based Speech Synthesis.
LDNI 18.	PCA Based Speech Recognition.
LDNI 19.	HMM Based Speech Recognition.
LDNI 20.	A New Approach to Digital Audio Equalization - Frequency Band Equalizer.
LDNI 21.	Enhanced LMS based Feedback Loop Interference Cancellation.
LDNI 22.	Digital Voice Morphing system.
LDNI 23.	MPEG-04 Audio Lossless Coding on DSP.
LDNI 24.	Low Bit Rate Psychoacoustic Modeling based Audio Compression.
LDNI 25.	A Secure Audio Steganography approach.
LDNI 26.	MDCT based Audio Coding.
LDNI 27.	Reverberant & Flanged Audio Signal Processing.
LDNI 28.	Digital Audio water Marking for secured Data.

LDNI 29.	An Efficient DSP Implantation of Wavelet Audio Coding for Digital Communication.
LDNI 30.	A robust audio watermarking algorithm based on frequency hopping.
LDNI 31.	FHSS for Secured Communication.
LDNI 32.	Space Time Coded OFDM system for MIMO systems for High Data Rate Transmission.
LDNI 33.	Code Data Transmission system using Iterative Decoding Error Corrector.
LDNI 34.	Enhancing MB-OFDM Throughput with Dual Circular 32-QAM.
LDNI 35.	IEEE 802.15.1 Bluetooth Protocol Baseband Module.
LDNI 36.	IEEE 802.15.4 ZigBee Protocol Baseband Module.
LDNI 37.	IEEE 802.16d Wireless MAN Protocol Baseband Module.
LDNI 38.	Implementation of Baseband Module for Beyond 3G TDD System.
LDNI 39.	WCDMA system Physical Layer Transceiver.
LDNI 40.	EDGE system Physical Layer Transceiver.
LDNI 41.	Luby Transform Coding Aided Bit-Interleaved Code Modulation for the Wireless Internet
LDNI 42.	Channel Estimation for UP-Link MC-CDMA systems.
LDNI 43.	Rate Optimization for IDMA system with Iterative Joint Multi-User Decoding.
LDNI 44.	CDD-OFDM Scheme with Pilot-Aided Channel Estimation.
LDNI 45.	LDPC coded MIMO OFDM-based IEEE 802.11n wireless LAN.
LDNI 46.	LMS Adaptive Receiver For Uplink Space-Time Coded MC-CDMA Systems.
LDNI 47.	implementation And Analysis Of Integration GSM/GPRS Modem In A TMS320VC6713 Digital Signal Processor For Vehicle Location.
LDNI 48.	Secure and simplified access to home appliances using Iris recognition.
LDNI 49.	The comparison of iris recognition using principal component analysis, independent component analysis and Gabor wavelets.
LDNI 50.	Performance evaluation of DWT based image steganography.

MATLAB PROJECTS

IMAGE PROCESSING

LDMI 01.	Entropy based Robust Watermarking Scheme using Hadamard Transformation Technique	IEEE 2011
LDMI 02.	A New Robust Watermarking Scheme Based on RDWT-SVD	IEEE 2011
LDMI 03.	Performance Measures for Image Fusion Based on Wavelet Transform and Curvelet Transform	IEEE 2011
LDMI 04.	High Capacity Image Steganography using Wavelet Transform and Genetic Algorithm	IEEE 2011
LDMI 05.	New method for the fusion of complementary information from infrared and visual images for object detection	IEEE 2011
LDMI 06.	A Modified High Capacity Image Steganography Technique Based on Wavelet Transform	IEEE 2011
LDMI 07.	High Capacity And Security Steganography Using Discrete Wavelet Transform	IEEE 2011
LDMI 08.	Non-blind Watermarking scheme for color images in RGB space using DWT-SVD	IEEE 2011
LDMI 09.	Speech Enhancement Based on Spectral Subtraction for Speech Recognition System	IEEE 2011
LDMI 10.	A Fast Fuzzy-C Means based Marker controlled Watershed Segmentation of Clustered Nuclei	IEEE 2011
LDMI 11.	Wavelet-based Texture Fusion of CT/MRI Images	IEEE 2011
LDMI 12.	A Basic Digital Watermarking Algorithm in Discrete Cosine transformation Domain	IEEE 2011
LDMI 13.	Sharing Multiple Secrets Using Visual Cryptography	IEEE 2011
LDMI 14.	Automatic Extraction of the Structure of the Retinal Blood Vessel Network of Premature Infants	IEEE 2011
LDMI 15.	SEP: A Stable Election Protocol for clustered heterogeneous wireless sensor networks	IEEE 2011
LDMI 16.	Energy Efficient Constant Cluster Node Scheduling Protocol for Wireless Sensor Networks	IEEE 2011
LDMI 17.	Image Fusion Method Based on NSCT and Robustness Analysis	IEEE 2011
LDMI 18.	A Novel Steganographic System Using Continued Fraction	IEEE 2011

Very Large Scale Integration (VLSI)

Define VLSI :-

Abbreviation of very large-scale integration, the process of placing thousands (or hundreds of thousands) of electronic components on a single chip. Nearly all modern chips employ VLSI architectures, or ULSI (ultra large scale integration). The line between VLSI and ULSI is vague.

Or we can easily define that as the process of fabricating a few thousand logic gates or more in a single integrated circuit.

Application :-

1. Systems Specifications.
2. Design and Partitioning.
3. High performance computing and communication systems.
4. Neural Networks.
5. Wafer-scale Integration.
6. Multi-module Systems.

FPGA Kits :-

1. FPGA SPARTAN-II
2. VLSI LOGIC SIMULATORS
3. FPGA SPARTAN III

VLSI Chip Manufacturing Companies :-

1. Xilinx.
2. Texas Instruments.
3. Intel.

IEEE PROJECTS IN VLSI

ALGORITHM IMPLEMENTATION

LVAI 01.	FPGA Implementation of 8, 16 and 32 Bit LFSR with Maximum Length Feedback Polynomial Using VHDL.	IEEE 2012
LVAI 02.	VHDL Implementation of a Flexible and Synthesizable FFT Processor.	IEEE 2012
LVAI 03.	How the CRC algorithm in Xmodem protocol implementation in FPGA.	IEEE 2012
LVAI 04.	BPSK system on Spartan 3E FPGA.	IEEE 2012
LVAI 05.	Design of a digital IIR filter for active filtering applications.	IEEE 2012
LVAI 06.	The LUT-SR Family of Uniform Random Number Generators for FPGA Architectures.	IEEE 2012
LVAI 07.	Application of the DLFSR generators in spread spectrum communication.	IEEE 2012
LVAI 08.	The Design of Host Interface Unit in ARINC659 Bus Control Chip on Aircraft.	IEEE 2012
LVAI 09.	Design and Simulation of 32-Point FFT Using Radix-2 Algorithm for FPGA.	IEEE 2012
LVAI 10.	VLSI Implementation of Advanced Encryption Standard.	IEEE 2012
LVAI 11.	Design and Optimization of Ethernet Access System for Receiving Frames of Ethernet Based on FPGA.	IEEE 2012
LVAI 12.	Performance Analysis of Wireless Control Area Network (WCAN) Using Token Frame Scheme.	IEEE 2012
LVAI 13.	Emerging Applications of Synchronous Ethernet in Telecommunication Networks.	IEEE 2012
LVAI 14.	Physical-Layer Identification of Wired Ethernet Devices.	IEEE 2012
LVAI 15.	Design and implementation of IEEE1588 time synchronization messages time stamping based on FPGA.	IEEE 2012
LVAI 16.	FPGA implementation of real-time Ethernet communication using RMIi interface.	IEEE 2012
LVAI 17.	Encoding and compensation schemes using improved pre-equalization for the 64B/66B Encoder.	IEEE 2012
LVAI 18.	Optimal implementation of UART Interface in SoC.	IEEE 2012
LVAI 19.	FPGA implementation of I2C interface and its applications.	IEEE 2012
LVAI 20.	Efficient encoding of quasi-cyclic LDPC codes with continuously variable length.	IEEE 2012
LVAI 21.	Synthesis and Implementation of UART Using VHDL Codes.	IEEE 2012
LVAI 22.	Analog Product Codes Decodable by Linear Programming codes.	IEEE 2012
LVAI 23.	Introduction of forward error correction and its application.	IEEE 2012
LVAI 24.	Design of an efficient Maximum Likelihood soft decoder for systematic short block codes.	IEEE 2012
LVAI 25.	FPGA Implementation of Encoder for (15, k) Binary BCH Code Using VHDL and Performance Comparison for Multiple Error Correction Control.	IEEE 2012
LVAI 26.	Configurable Multimode Embedded Floating-Point Units for FPGAs.	IEEE 2012
LVAI 27.	Design and implementation of Reed Solomon Decoder for 802.16 network using FPGA.	IEEE 2012
LVAI 28.	Performance of power efficient LDPC coded (Encoder) OFDM over AWGN Channel .	IEEE 2012
LVAI 29.	performance evaluation of a Turbo Codec with Log-MAP algorithm on FPGA and CPU.	IEEE 2012
LVAI 30.	Soft-Error-Resilient FPGAs Using Built-In 2-D Hamming Product Code.	IEEE 2012
LVAI 31.	Enhanced Detection of Double and Triple Adjacent Errors in Hamming Codes through Selective Bit Placement .	IEEE 2012
LVAI 32.	Design of High Performance Quaternary Adders.	IEEE 2012
LVAI 33.	Design of modified low power booth multiplier.	IEEE 2012
LVAI 34.	A Nonconventional Approach to Generating Efficient Binary Gray Code Sequences.	IEEE 2012
LVAI 35.	FPGA design of a fast 32-bit floating point multiplier unit.	IEEE 2012
LVAI 36.	Design & implementation of floating point ALU on a FPGA processor.	IEEE 2012
LVAI 37.	Design and implementation of a high performance multiplier using HDL.	IEEE 2012
LVAI 38.	Design of fault tolerant full Adder/Subtracted using reversible gates.	IEEE 2012

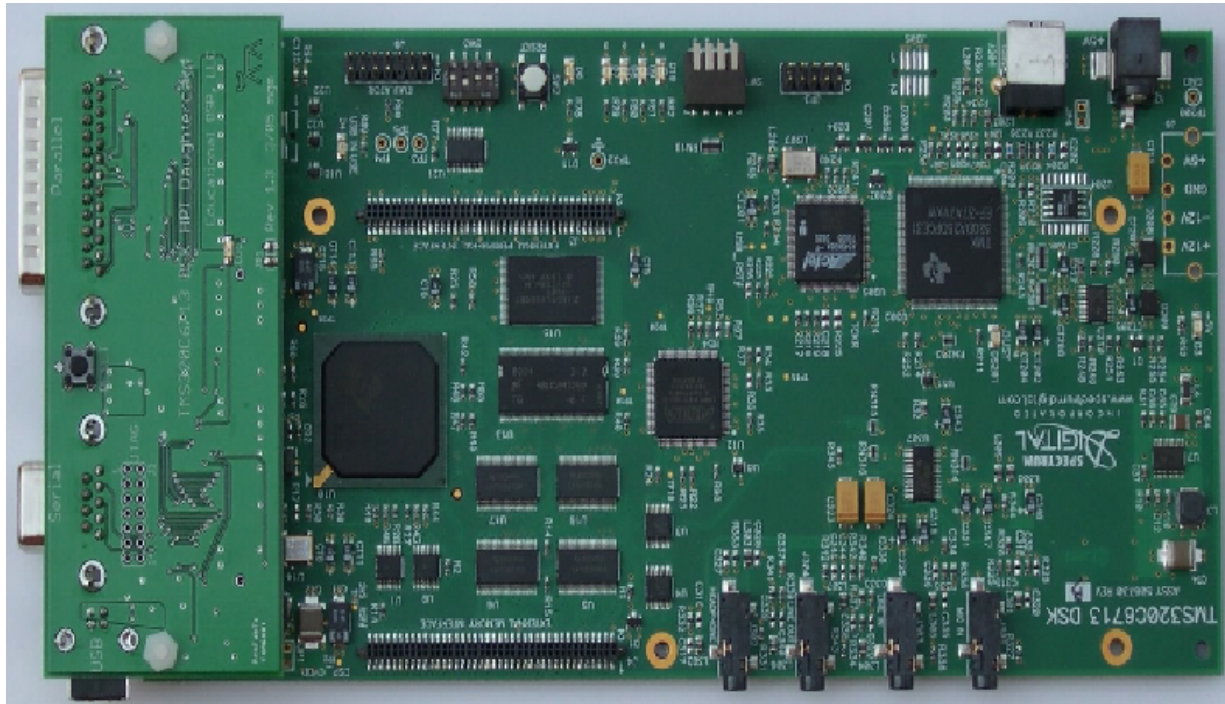
LVAI 39.	ASIC design of reversible full adder circuits.	IEEE 2012
LVAI 40.	Low-Power and Area-Efficient Carry Select Adder.	IEEE 2012
LVAI 41.	Reconfigurable photonic full-adder and full-subtract or based on three-input XOR gate and logic minterms.	IEEE 2012
LVAI 42.	Design of 64-bit low power parallel prefix VLSI adder for high speed arithmetic Circuits .	IEEE 2012
LVAI 43.	The Design of High Performance Barrel Integer Adder.	IEEE 2012
LVAI 44.	A fault tolerant parallel-prefix adder for VLSI and FPGA design.	IEEE 2012
LVAI 45.	Algorithm for synthesizing design context-aware fast carry-skip adders.	IEEE 2012
LVAI 46.	VLSI design of power efficient Carry Skip Adder using TSG & Fred kin reversible gate.	IEEE 2012
LVAI 47.	Addition of BCD digits using non-standard codes.	IEEE 2012
LVAI 48.	Design and Simulation of 32-Point IFFT Using Radix-2 Algorithm for FPGA Implementation .	IEEE 2012
LVAI 49.	FPGA implementation of binary coded decimal digit adders and multipliers.	IEEE 2012
LVAI 50.	High speed and area efficient Vedic multiplier.	IEEE 2012
LVAI 51.	FPGA design of a fast 32-bit floating point multiplier unit.	IEEE 2012
LVAI 52.	Design of parameter extractor in low power pre computation based content addressable memory.	IEEE 2012
LVAI 53.	A Dynamic Longest Prefix Matching Content Addressable Memory for IP Routing.	IEEE 2012
LVAI 54.	VHDL Implementation Of UART With Status Register.	IEEE 2012
LVAI 55.	A Multi-Resolution Fast Filter Bank for Spectrum Sensing in Military Radio Receivers .	IEEE 2012
LVAI 56.	Pipelined Parallel FFT Architectures via Folding Transformation.	IEEE 2012
LVAI 57.	VLSI Design for Low-Density Parity-Check Code Decoding..	IEEE 2012
LVAI 58.	Optimizing Floating Point Units in Hybrid FPGAs.	IEEE 2012

NON IEEE PROJECTS IN VLSI

LVNI 01.	Highly Secured Data Encryption Algorithm
LVNI 02.	Network Cryptography Algorithm
LVNI 03.	Design of Modulation Scheme For Satellite Communication
LVNI 04.	Implementation of Two Fish Cipher Algorithm
LVNI 05.	Reconfigurable Adaptive Viterbi Decoder
LVNI 06.	Design of Modulation Scheme For Radio Frequency Modem
LVNI 07.	Design of Spurious Power Suppression Technique
LVNI 08.	Trigonometric Function Calculation Using Codec
LVNI 09.	Data Protection Using Idea Algorithm
LVNI 10.	Whitespace Steganography
LVNI 11.	TEA Algorithm Implementation In FPGA
LVNI 12.	Triple Cipher Block Processor
LVNI 13.	Wireless Bio Medical Parameter Transmission Using I2C
LVNI 14.	Power Analysis For Low Power Precision Multiplier
LVNI 15.	Keyboard Encryption For Network Security
LVNI 16.	Wireless Communication Using Irda Protocol
LVNI 17.	Invisible Image Watermarking Technique
LVNI 18.	Implementation of Public Key Cryptography Processor
LVNI 19.	FPGA Based Code Division Multiple Access
LVNI 20.	Fast Decimal Floating-point Division
LVNI 21.	Concurrent Error Detection In Reed Solomon Encoders and Decoders
LVNI 22.	Compact Hardware Design of Whirlpool Hashing Core
LVNI 23.	FPGA Implementation of Shift Invertor Coding

LVNI 24.	Memory Interfacing Synchronous Serial Data Link Standard (SPI)
LVNI 25.	Interfacing Stand Alone CAN Protocol
LVNI 26.	Real Time Clock Interfacing Using I2C Bus
LVNI 27.	Implementation of Frequency Hopping Spread Spectrum
LVNI 28.	Implementation of Quadrature Amplitude Modulation
LVNI 29.	Memory Interfacing Using I2C Protocol
LVNI 30.	Design of Direct Sequence Spread Spectrum
LVNI 31.	Codec Interfacing Using I2S Protocol
LVNI 32.	Implementation of Sonet Scrambler and De Scrambler
LVNI 33.	Implementation of M-ary Phase Shift Keying
LVNI 34.	Interfacing PS/2 Keyboard With ADC VGA Monitor
LVNI 35.	Implementation of 12bit ADC and DAC Using I2c Protocol
LVNI 36.	Advanced Traffic Monitoring and Switching Using Labview
LVNI 37.	Speed Control of Dc Motor Using PWM
LVNI 38.	FPGA Based Inverter
LVNI 39.	Isolated Object Controller
LVNI 40.	Device Control Through LAN
LVNI 41.	Prepaid Power Service
LVNI 42.	Spontaneous Intimation of Wireless E-billing
LVNI 43.	Revolutionized Polling System
LVNI 44.	Automobile Monitoring System Using GPS AND LABVIEW
LVNI 45.	Hospital Manipulation System Using Labview
LVNI 46.	RFID Navigation System of Individual
LVNI 47.	Advanced Information Annouciator In Bus Terminals
LVNI 48.	Intelligent Voice Decoder Notice Board Annouciator
LVNI 49.	Hypertech Toll Collection In Toll Gates
LVNI 50.	Accident Investigation and Information System
LVNI 51.	Speed Measurement Using CAN Protocol
LVNI 52.	Real Time Library Management Using RFID
LVNI 53.	Advanced Automatic Crash Notification Using GPS Technology Advanced Automatic Crash Notification Using GPS Technology
LVNI 54.	Manoid Robotic Controller
LVNI 55.	Advanced Control Mechanism Using CAN Bus
LVNI 56.	Obstacle Detection Using Ultrasonic
LVNI 57.	Smart Card Based Device Control
LVNI 58.	Lane Violation Screening System
LVNI 59.	Wireless Control System For Electronic Equipment
LVNI 60.	Global Ticket Vending System
LVNI 61.	Speed Measurement of DC Motor Using Quadrature Decoder
LVNI 62.	Wireless Data Transmission and Device Control Application In Picoblaze Controller
LVNI 63.	Control and Monitoring of Free Energy Service Using Labview
LVNI 64.	Location Navigation System Using Labview
LVNI 65.	Real Time Passenger Information System
LVNI 66.	Effective Interface of Rtc and Memory Interface With Picoblaze Controller
LVNI 67.	Power Factor Measurement In FPGA
LVNI 68.	Battery Gauge Interface Using I2C
LVNI 69.	FPGA Implementation of Musical Box
LVNI 70.	Long Range Identification and Tracking System For Navy
LVNI 71.	CAN Based Temperature and Speed Measurement

Digital Signal Processor (TMS320C6713 KSK)



FPGA Kit (Spartan III)

