

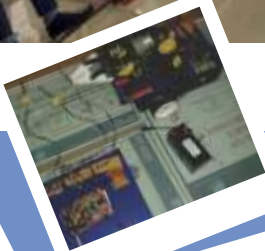
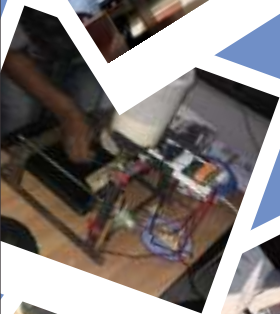
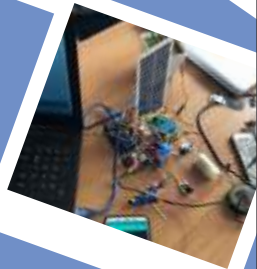
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IEEE

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Project Guidance & Training Institute

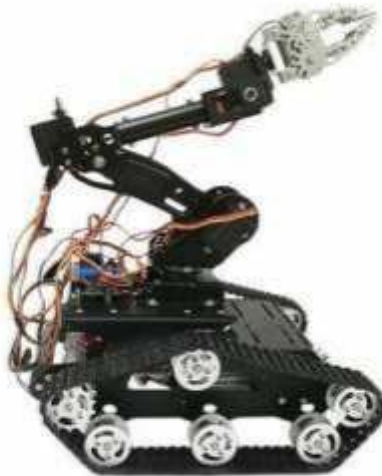


EMBEDDED PROJECT

EMBEDDED PROJECT LIST

Academic project and training on latest embedded technologies available with best in class experts. One of the leading final year project consultancy for ECE | EEE | Telecom and Bio - Medical students in Bangalore , INDIA.

As a part of our vision to provide hands-on experience to the students we invite them from the domains of IEEE Transactions on **Embedded Systems**, IEEE Transactions on **Machine Learning**, IEEE Transactions on **Artificial Intelligence**, IEEE Transactions on **Robotics**, IEEE Transactions on **Wireless communication**, **Medical Electronics / BIO Medical**, IEEE Transactions on **Mat lab, Cmos-Vlsi**, IEEE Transactions on **Electrical And Electronics**, IEEE Transactions on **Telecommunication and Engineering , Internet of Things (iot)** to carry out their academic project works at our institute to facilitate under the guidance of experts from the industries.



AI	IEEE LATEST PROJECTS ON IOT WITH MACHINE LEARNING
TAI001	FABRICATION OF AGRIBOT WITH CROP PREDICTION USING MACHINE LEARNING
TAI002	DESIGNING OF AN AUTOMATED SYSTEM FOR IDENTIFICATION AND RECKONING OF LIVESTOCK
TAI003	MULTIAGENT ARCHITECTURE FOR BRIDGE CAPACITY MEASUREMENT SYSTEM USING WIRELESS SENSOR NETWORK AND WEIGHT IN MOTION
TAI004	ANALYSIS AND PREDICTION OF AIR QUALITY MONITORING SYSTEM USING MACHINE LEARNING
TAI005	INFANT CARE ASSISTANT USING MACHINE LEARNING, AUDIO PROCESSING , IMAGE PROCESSING, AND IOT SENSOR NETWORK
TAI006	AN INTERNET OF THINGS (IOT) BASED SMART WASTE MANAGEMENT AND MONITORING SYSTEM
TAI007	A WIRELESS SENSOR NETWORK BASED LOW COST AND ENERGY EFFICIENT FRAME WORK FOR PRECISION AGRICULTURE
TAI008	IOT BASED TRAFFIC SIGN DETECTION AND VIOLATION CONTROL
TAI009	FABRICATION OF AGRIBOT WITH GREEN LEAF DISEASE DETECTION SYSTEM
TAI010	EFFICIENT CROP YIELD PREDICTION SYSTEM USING MACHINE LEARNING
TAI011	RTO SURVAILANCE SYSTEM WITH INTELLIGENT AMBULANCE DETECTION AND BLIND SPOT TRAFFIC LIGHT DETECTION
TAI012	AN INTERNET OF THINGS (IOT) BASED SMART CITY MANAGEMENT
TAI013	THE PROSPECTIVITY OF BIOSENSING IN ENVIRONMENTAL MONITORING FOR BIOSECURITY
TAI014	IDENTIFICATION AND RECKONING OF LIVESTOCK FOR CATTLE FARMING USING IOT
TAI015	AUTOMATED SURVEILLANCE ROBOT FOR HIGH ALTITUDE REGIONS
TAI016	IMAGE PROCESSING BASED POTHOLE DETECTING SYSTEM FOR DRIVING ENVIRONMENT
TAI017	HEART DISEASE PREDICTION USING IOT AND ML BASED HEALTH MONITORING SYSTEM
TAI018	MONITORING AND MAINTENANCE OF HIGHWAY BRIDGES USING WIRELESS SENSOR NETWORKS
TAI019	MYRIO BASED MOBILE ROBOT FOR RESCUE COMPETITIONS
TAI020	BIOMETRIC BASED SECURED REMOTE ELECTRONIC VOTING SYSTEM
TAI021	INTERNET OF THINGS(IOT) FOR BANK LOCKER SECURITY SYSTEM
TAI022	24X7 SMART IOT BASED INTEGRATED HOME SECURITY SYSTEM

DP	IEEE LATEST DEEP LEARNING BASED PROJECT TITLES
TDP001	AN INTERNET OF THINGS BASED SMART WASTE MANAGEMENT SYSTEM USING LORA AND TENSORFLOW DEEP LEARNING MODEL
TDP002	TENSORFLOW DEEP LEARNING MODEL AND IOT DRIVEN SMART CITY PROTOTYPE WITH LORA
TDP003	A NEW IOT GATEWAY FOR ARTIFICIAL INTELLIGENCE IN AGRICULTURE
TDP004	DRIVER INATTENTION MONITORING SYSTEM BASED ON THE ORIENTATION OF THE FACE USING CONVOLUTIONAL NEURAL NETWORK
TDP005	REVERSE DISPENSING MACHINE USING DEEP LEARNING
TDP006	DEEP LEARNING BASED ROBOT FOR AUTOMATICALLY PICKING UP GARBAGE
TDP007	AI BASED VOICE ASSISTANT SYSTEM FOR VISUALLY IMPAIRED PERSON
TDP008	REAL TIME FACE RECOGNITION USING CONVOLUTIONAL NEURAL NETWORK
TDP009	ARTIFICIAL INTELLIGENCE AND AUGMENTED REALITY DRIVEN HOME AUTOMATION
TDP010	CONVOLUTIONAL NEURAL NETWORK BASED WORKING MODEL OF SELF DRIVING CAR - A STUDY
TDP011	DEEP LEARNING BASED SMART GARBAGE CLASSIFIER FOR EFFECTIVE WASTE MANAGEMENT
TDP012	AI BASED PILOT SYSTEM
TDP013	CONVOLUTIONAL NEURAL NETWORK IOT BASED TRAFFIC SIGN DETECTION AND VIOLATION CONTROL

ML	IEEE LATEST MACHINE LEARNING BASED PROJECT TITLES
TML001	CLOUD BASED FACE AND SPEECH RECOGNITION FOR ACCESS CONTROL APPLICATIONS
TML002	AUTOMATED EVALUATION OF COVID-19 RISK FACTORS COUPLED WITH REAL-TIME, INDOOR, PERSONAL LOCALIZATION DATA FOR POTENTIAL DISEASE IDENTIFICATION, PREVENTION AND FACE MASK DETECTION
TML003	DEVELOPMENT OF A HAND HELD DEVICE FOR AUTOMATIC LICENSE PLATE RECOGNITION
TML004	RASPBERRY PI BASED WEARABLE READER FOR VISUALLY IMPAIRED PEOPLE WITH HAPTIC FEEDBACK
TML005	READER AND OBJECT DETECTOR FOR BLIND
TML006	LOW - COST VISUALLY SERVOED TRACKED VEHICLE
TML007	DEVELOPMENT OF MULTI SECURE ACCESS - SMART SUITCASE SECURITY SYSTEM
TML008	FIRE ALARM SYSTEM FOR SMART CITIES USING EDGE COMPUTING

TML009	SMART DOOR UNLOCKING USING FACE RECOGNITION AND BLINK DETECTION
TML010	A WEARABLE , EEG - BASED MESSAGE HEADBAND FOR ANXIETY ALLEVIATION
TML011	VOICE CONTROLLED HOME AUTOMATION USING RASPBERRY PI
TML012	BIOMETRIC SYSTEM BASED ELECTRONIC VOTING MACHINE USING RASPBERRY PI
TML013	RASPBERRY PI BASED GLOBAL INDUSTRIAL PROCESS MONITORING THROUGH WIRELESS COMMUNICATION
TML014	SMART ROOMS FOR POWER SAVING USING VIDEO PROCESSING
TML015	RASPBERRY PI BASED VIDEO SURVEILLANCE SYSTEM FOR ADVANCE SECURITY
TML016	A NOVEL APPROACH FOR COMMUNICATION AMONG BLIND , DEAF AND DUMB PEOPLE
TML017	DETECTION OF VEHICLE MAXIMUM SPEED WITH AN INFRARED SENSOR BASED ON RASPBERRY PI 3 B+
TML018	A LOW COST WEB BASED REMOTE MONITORING SYSTEM WITH BUILT - IN SECURITY FEATURE FOR VULNERABLE ENVIRONMENT
TML019	SIXTH SENSE DEVICE - RASPBERRY PI BASED GESTURAL INTERFACE
TML020	RASPBERRY PI BASED CRUISE CONTROL MECHANISM IN TRAFFIC SITUATION

E	LATEST EMBEDDED AND IOT PROJECTS
TE001	DESIGN WSN NODE FOR PROTECTION OF FOREST TREES AGAINST POACHING BASED ON IOT
TE002	IOT BASED SMART COLD STORAGE SYSTEM FOR EFFICIENT STOCK MANAGEMENT
TE003	AN INTERNET OF THINGS(IOT) BASED WI-FI OPERATED MULTIPURPOSE AGRIBOT
TE004	CHILD RESCUE SYSTEM FROM OPEN BOREWELLS
TE005	AN INTERNET OF THINGS(IOT) BASED HYDROPHONICS SYSTEM USING CAN PROTOCOL
TE006	FABRICATION OF VOICE OPERATED MOTORISED EXO SKELETON ARM
TE007	BOREWELL WATER QUALITY AND MOTOR MONITORING BASED ON IOT GATEWAY
TE008	ALIVE SOLDIERS DETECTION IN WAR FIELDS AND SOLDIER HEALTH MONITORING SYSTEM USING IOT
TE009	AN INTERNET OF THINGS(IOT) BASED CAMAFLOUGE ROBOT
TE010	ANALYSIS OF ENERGY SAVINGS USING SMART METERING SYSTEM
TE011	AN IOT BASED SMART GRID INSPECTION ROBOT
TE012	AN IOT BASED TRANSMISSION LINE FAULT MONITORING SYSTEM

TE013	AN IOT BASED HYDROPHONICS SYSTEM
TE014	DESIGN OF SMART DEVICE FOR WOMEN'S SAFETY SYSTEM USING IOT
TE015	SMART HIGHWAY ELECTRIC CAR BASED ON IOT
TE016	A SMART MOBILITY PLATFORM FOR ELECTRIC VEHICLES WITH EVENT PROCESSING
TE017	AN INTERNET OF THINGS(IOT) BASED SMART AGRICULTURE MONITORING SYSTEM
TE018	DESIGN OF BIOMETRIC ELECTRONIC VOTING MACHINE
TE019	AN ARDUINO BASED ACCIDENT PREVENTION AND IDENTIFICATION SYSTEM FOR VEHICLES
TE020	AN INTERNET OF THINGS(IOT) BASED WATER MANAGEMENT SYSTEM
TE021	SAFETY SYSTEM FOR ELDERLY WANDERING PEOPLE
TE022	HEART DISEASE PREDICTION USING IOT AND ML BASED HEALTH MONITORING SYSTEM
TE023	SMART SOURCE SELECTOR USING IOT
TE024	INDOOR INTELLIGENT FIRE FIGHTING ROBOT
TE025	AN IOT BASED BABY MONITORING SYSTEM
TE026	FABRICATION OF MULTIPURPOSE AGRICULTURAL VEHICLE
TE027	ANIMAL HEALTH MONITORING SYSTEM USING GSM
TE028	WEB BASED EMBEDDED ROBOT FOR SAFETY AND SECURITY APPLICATIONS USING ZIGBEE

E	LATEST IEEE PAPERS PROJECT TITLES
TE001	PRECISION AGRICULTURE USING IOT DATA ANALYTICS AND MACHINE LEARNING
TE002	A LORA-BASED MULTISENSOR IOT PLATFORM FOR AGRICULTURE MONITORING AND SUBMERSIBLE PUMP CONTROL IN AWATER BAMBOO FIELD
TE003	A WSN ENERGY-AWARE APPROACH FOR AIR POLLUTION MONITORING IN WASTE TREATMENT FACILITY SITE: A CASE STUDY FOR LANDFILL MONITORING ODOUR
TE004	ADVANCED HOME AUTOMATION USING RASPBERRY PI AND MACHINE LEARNING
TE005	ARTIFICIAL INTELLIGENCE BASED SMART DOOR WITH FACE MASK DETECTION
TE006	DESIGN AND DEVELOPMENT OF WIRELESS SENSOR NETWORK BASED DATA LOGGER WITH ESP-NOW PROTOCOL

TE007	DESIGN AND EVALUATION OF A NEW MACHINE LEARNING FRAMEWORK FOR IOT AND EMBEDDED DEVICES
TE008	HOME SECURITY SYSTEM USING RASPBERRY PI WITH IOT
TE009	LORAWAN BASED CATTLE MONITORING SMART SYSTEM
TE010	LOW-COST ESP32, RASPBERRY PI, NODE-RED, AND MQTT PROTOCOL BASED SCADA SYSTEM
TE011	LOW-POWERED AGRICULTURE IOT SYSTEMS WITH LORA
TE012	DESIGN OF ESP8266 SMART HOME USING MQTT AND NODE-RED
TE013	MACHINE LEARNING APPLICATIONS FOR PRECISION AGRICULTURE: A COMPREHENSIVE REVIEW
TE014	REAL-TIME SMART HOME SURVEILLANCE SYSTEM OF BASED ON RASPBERRY PI
TE015	SECURING E-PAYMENT SYSTEMS BY RFID AND DEEP FACIAL BIOMETRY
TE016	A STANDARD-BASED INTERNET OF THINGS PLATFORM AND DATA FLOW MODELING FOR SMART ENVIRONMENTAL MONITORING
TE017	IOT APPLICATIONS BASED ON MQTT PROTOCOL
TE018	PREDICTION OF AIR POLLUTANTS USING SUPERVISED MACHINE LEARNING
TE019	CROP YIELD PREDICTION USING MACHINE LEARNING ALGORITHM
TE020	INTELLIGENT SYSTEM FOR AIR QUALITY MONITORING ASSESSMENT USING THE RASPBERRY PI PLATFORM

AA	EMBEDDED KITS BASED ON MICROCONTROLLERS / ARMS/ PIC / AVR / ARDUINO
TAA001	INTELLIGENT AGRICULTURE WITH WEATHER MONITORING
TAA002	RFID BASED TRAIN IDENTIFICATION , DETECTION AND UNMANNED RAILWAY CROSSING SYSTEM
TAA003	EFFICIENT POWER GENERATION BASED ON SOLAR TRACKING SYSTEM WITH PANEL CLEANING MECHANISM AND MULTIPURPOSE OPTIMIZATION
TAA004	AUTOMATED GREEN HOUSE STATUS MONITORING AND CONTROL SYSTEM
TAA005	DEVELOPMENT OF AUTO WIPER CONTROLLER ACCORDING TO RAIN FORCE
TAA006	ALCOHOLIC BREATH ANALYSER AND TILT DETECTOR FOR VEHICLE SECURED IGNITION
TAA007	DEVELOPMENT OF ELECTRONIC STICK FOR BLIND WITH PANIC BUTTON ALERT
TAA008	PASSENGER PRE-PAID METRO CARD SYSTEM

TAA009	DESIGN AND IMPLEMENTATION OF AN ADVANCED SECURITY SYSTEM - INVISIBLE EYE
TAA010	REMOTE CONTROLLED JACK FOR CARS
TAA011	OUT-PATIENT TABLET TIME CARE SYSTEM WITH VOICE ANNOUNCEMENT
TAA012	DROWSINESS AND GASEOUS FUEL LEAK DETECTOR AND ALERTING SYSTEM
TAA013	BLACK BOX FOR VEHICLES /CAR - INTELLIGENT VEHICLE MONITORING SYSTEM
TAA014	AIRCRAFT BLACKBOX WITH AUTO INFORMATION TO THE BASE STATION
TAA015	AUTOMATIC VEHICLE SPEED , HORN , AND BREAK MANAGEMENT SYSTEM (WITH ANALYZER - OPTIONAL)
TAA016	DESIGN AND DEVELOPMENT OF SECURITY BASED VOTING SYSTEM FOR GOVERNMENT
TAA017	GAS LEAKAGE,THIEF AND FIRE DETECTOR AND AUTO DIALING CONTROLLER SYSTEM
TAA018	INDUSTRIAL PROTECTION SYSTEM USING TEMPERATURE , SMOKE SENSOR AND LIGHT DEPENDENT RESISTOR
TAA019	TOKEN NUMBER DISPLAY WITH VOICE IN SECURITY USING MICROCONTROLLER AT89C51
TAA020	ADVANCED RTO SURVAILLANCE SYSTEM
TAA021	AUTOMATIC STREET LIGHT CONTROLLER WITH RTC
TAA022	MICROCONTROLLER BASED SECURITY DOOR CONTROL SYSTEM FOR ATM WITH VOICE ANNOUNCEMENT
TAA023	SMART PARKING SYSTEM
TAA024	RESEARCH OF TRAFFIC SIGNAL LIGHT INTELLIGENT CONTROL SYSTEM BASED ON MICROCONTROLLER
TAA025	INTELLIGENT HIGHWAY POLICE PATROLLING SYSTEM WITH SPEED SENSORS AND CAMERA FOR THE VEHICLES WHICH VIOLATES SPEED LIMITS
TAA026	ALIVE HUMAN BEING DETECTION IN WAR FIELDS, AFFECTED AREAS USING WAP WITH MODEL AND CAMERA-PIR(PASSIVE INFRARED SENSORS) FOR RESCUE OPERATIONS WITH COMMUNICATION
TAA027	UTILIZATION OF SOLAR ENERGY WITH TRACKING THE SUN USING STEPPER MOTOR AUTOMATICALLY

T	IEEE LATEST TRASAXIONS ON ROBOTICS
TT001	MULTI APPLICATION SURVAILLANCE ROBOT WITH CAMAFLOUGE
TT002	SECURITY SURVEILLANCE BOT FOR REMOTE OBSERVATION DURING PANDEMICS
TT003	HAPTIC ROBOTIC ARM
TT004	PARTIAL AUTOMATION OF AUTOMOBILES USING EMBEDDED
TT005	DESIGN AND IMPLEMENTATION OF PICK AND PLACE ROBOT USING VOICE AND GESTURE RECOGNITION
TT006	DEVELOPMENT OF DATA ACQUSTION ROBOT FOR TOXIC ENVIRONMENTAL MONITORING USING WSN-KROTO FINDER
TT007	FABRICATION OF AUTOMATIC WASTE SEPERATION MODEL
TT008	A ROBOT THAT APPROACHES PEDESTRIANS
TT009	LIVE HUMAN DETECTING ROBOT FOR EARTHQUAKE RESCUE OPERATION USING GSM AND GPS
TT010	SMART PHONE OPERATED MULTIPURPOSE AGRICULTURAL ROBOTIC VEHICLE - AGRIBOT
TT011	LOWER LIMB POWERED EXOSKELECTION FOR PARAPLEGIC PEOPLE ASSISTING IN THEIR WALKING AUGMENTATION USING FLEX SENSOR AND ACCELEROMETER
TT012	DEVELOPMENT OF HAPTIC ROBOT ARM USING FLEX SENSOR AND ACCELEROMETER
TT013	PC CONTROLLED UNMANNED FIGHTER
TT014	WHITE BOARD CLEANING ROBOT
TT015	QUAD HELICOPTER
TT016	LINE FOLLOWING ROBOT WITH FORK LIFT
TT017	WALL PAINTING ROBOT
TT018	INTELLIGENT COMBACT ROBOT FOR MILITARY OPERATIONS
TT019	AUTO GUIDED VEHICAL WITH MATERIAL HANDLING AND OBSTACLE DETECTION
TT020	STAIRCASE CLIMBING ROBOT
TT021	WALK AND TALK ROBOT

EE	IEEE LATEST PROJECTS BASED ON ELECTRICALS AND ELECTRONICS (EEE)
TEE001	PREPAID ELECTRICITY BILLING AUTOMATION
TEE002	POST PAID ELECTRICITY SYSTEM AUTOMATION WITH CARD & CARD READER
TEE003	MANAGEMENT OF SUB-TRANSMISSION AND DISTRIBUTION SYSTEM IN POWER SYSTEM USING IOT
TEE004	IMPLEMENTATION OF SOLAR POWER AUTOMATIC BATTERY CHARGING SYSTEM FOR ELECTRIC VEHICLE USING IOT
TEE005	SOLAR TRACKING AND H- DARRIUS WIND TURBINE
TEE006	DATA ACQUISITION FOR ELECTRICAL VEHICLE POWER SYSTEM AUTOMATION USING IOT
TEE007	DESIGN AND EXPERIMENTAL ANALYSIS OF PFC RECTIFIERS FOR DOMESTIC INDUCTION HEATING APPLICATIONS
TEE008	SOLAR BASED DESIGN AND DEVELOPMENT OF PESTICIDE SPRAYER FOR USE IN AGRICULTURE FIELDS USING IOT AND BLUE TOOTH TECHNOLOGY
TEE009	ANALYSIS AND SIMULATION OF FLYING CAPACITOR MULTILEVEL INVERTER USING PD PWM STRATEGY
TEE010	DESIGN AND FABRICATION OF AUTOMATED SMART SOLAR GRASS CUTTER ROBOT USING WIFI AND GPS TECHNOLOGY
TEE011	HIGH GAIN STEP UP DC-DC CONVERTER FOR DC MICRO-GRID APPLICATION
TEE012	IMPLEMENTATION OF HYBRID POWER SOURCE INVERTER
TEE013	IMPLEMENTATION OF HYBRID POWER SOURCE USING IOT
TEE014	DESIGN , ANALYSIS ANDIMPLEMENTATION OF NOVEL SOFT SWITCHED BRIDGELESS INTER LEAVED BOOST PFC CONVERTOR
TEE015	DESIGN AND DEVELOPMENT OF HYBRID INVERTER FOR RENEWABLE SOURCE APPLICATION
TEE016	NATURE INSPIRED SOLAR POWER USING IOT
TEE017	PORTABLE INTENSIVE CARE UNIT EQUIPMENT USING IOT
TEE018	7 LEVEL INVERTER
TEE019	TRANSFORMER LESS INVERTER
TEE020	SOLAR BASED VARIABLE FREQUENCY DRIVE
TEE021	HIGHWAY WINDMILL MONITORING AND CONTROLLING USING IOT
TEE022	HIGHWAY MULTI SYSTEM (WINDMILL / SOLAR)MONITORING AND CONTROLLING USING IOT
TEE023	IMPLEMENTATION OF STARTING AND ADVANCED PROTECTION FOR INDUCTION MOTOR

TEE024	POWER FACTOR CORRECTION GSM METER
TEE025	DESALINATION OF SEA WATER USING HYBRID POWER SOURCE
TEE026	ANTENNAS AND PHOTOVOLTAIC PANELS: TOWARD A GREEN COMMUNICATION MICROWAVE STATION
TEE027	AUTOMATIC COIN BASED CELL PHONE CHARGER WITH DUAL SOLAR TRACKING SYSTEM
TEE028	TRANSMISSION LINE MULTIPLE FAULTS DETECTION AND INDICATION TO ELECTRICITY BOARD
TEE029	DATA ACQUISITION AND MONITORING OF SOLAR PANELS USING 2-CHANNEL DATA LOGGER AND .NET APPLICATION
TEE030	A BUCK-BOOST INTEGRATED FULL BRIDGE INVERTER FOR SOLAR PHOTOVOLTAIC BASED STANDALONE SYSTEM
TEE031	A NOVEL METHOD TO EXTRACT MAXIMUM POWER FROM SOLAR PANEL OF A GRID CONNECTED PHOTOVOLTAIC SYSTEM USING PHASE ANGLE CONTROL AND HYSTERSIS CURRENT CONTROL
TEE032	HIGH -EFFICIENCY DC-DC CONVERTER FOR LARGE INPUT-VOLTAGE FLUCTUATIONS IN SOLAR APPLICATIONS
TEE033	IMPLEMENTATION OF A WEB OF THINGS BASED SMART GRID TO REMOTELY MONITOR AND CONTROL RENEWABLE ENERGY SOURCES
TEE034	ENERBEE-EXAMPLE OF AN ADVANCED METERING INFRASTRUCTURE BASED ON ZIGBEE
TEE035	REAL-TIME DETECTION SYSTEM FOR ELECTRICAL DISTURBANCES FOR REMOTE COMMUNICATION STATIONS AND SMART GRID
TEE036	POWER FACTOR METERING SYSTEM USING ARDUINO
TEE037	WIRELESS RESIDENTAL POWER MONITORING SYSTEM
TEE038	USING ARDUINO DEVELOPMENT PLATFORM IN THE DIAGNOSIS OF AC ELECTRICAL MACHINES
TEE039	BATTERY MANAGEMENT SYSTEM USING ARDUINO
TEE040	ASYMMETRICAL TWO-PHASE INDUCTION MOTOR SPEED CONTROLLED BY MULTILEVEL INVERTER EMPLOYING CASCADED TRANSFORMERS
TEE041	DESIGN AND IMPLEMENTATION OF REAL TIME TRANSFORMER HEALTH MONITORING SYSTEM USING GSM TECHNOLOGY
TEE042	DEVELOPMENT OF EFFICIENT POWER GENERATION USING AUTOMATED RENWABLE SOURCES AND AUTOMATING STREET LIGHTS ACCORDING TO TRAFFIC DENSITY
TEE043	SOLAR TRACKING SYSTEM WITH AUTOMATIC PANEL CLEANING MECHANISM FOR EFFICIENT POWER GENERATION
TEE044	UNIVERSAL ELECTRICAL POWER GENERATION AND MULTIPURPOSE OPTIMIZATION- SOLAR,WIND AND RAIN
TEE045	TALKING ENERGY METER
TEE046	IMPLEMENTATION OF CUK CONVERTER WITH MPPT

VL	VLSI BASED PROJECT TITLES
VL001	A RECONFIGURABLE LDPC DECODER OPTIMIZED FOR 802.11N/AC APPLICATIONS
VL002	COMPOSITE FIELD ARITHMABTIC BASED S-BOX FOR AES ALGORITHM
VL003	SMALL AREA HIGH SPEED CONFIGURABLE FFT PROCESSOR FOR 5G
VL004	FPGA IMPLEMENTATION OF HIGH SPEED DIGITAL PULSE WIDTH MODULATOR (DPWM) TECHNIQUE FOR DC-DC CONVERTER
VL005	APPROXIMATE SUM-OF- PRODUCTS DESIGNS BASED ON DISTRIBUTED ARTHIMETIC
VL006	HIGH PERFORMANCE DATA ENCRYPTION WITH AES IMPLEMENTATION ON FPGA
VL007	AN EFFICIENT HARDWARE ARCHITECTURE OF CODEC2 LOW BIT-RATE SPEECH DECODER
VL008	DESIGN OF CRYPTOGRAPHIC MODEL FOR END-END ENCRYPTION IN FPGA BASED SYSTEMS
VL009	FLEXIBLE CONFIGURED OFDM FOR 5G AIR INTERFACE
VL010	DESIGN AND IMPLEMENTATION OF HIGH PRECISION FLOATING POINT UNIT FOR NEURAL NETWORK
VL011	PGA IMPLEMENTATION OF VITERBI DECODER FOR SOFTWARE DEFINED RADIO APPLICATIONS
VL012	A 3.2 -GHZ SUPPLY NOISE-INSENSITIVE PLL USING A GATE -VOLTAGE-BOOSTED SOURCE-FOLLOWER REGULATOR AND RESIDUAL NOISE CANCELLATION
VL013	DESIGN OF HIGH SPEED LIFTING BASED DWT USING 9/7 WAVELET TRANSFORM FOR IMAGE COMPRESSION
VL014	A HIGH -ACCURACY PROGRAMMBLE PULSE GENERATOR WITH A 10-PS TIMING RESOLUTION
VL015	A VARIABLE - SIZE FFT HARDWARE ACCELERATOR BASED ON MATRIX TRANSPOSITION
VL016	ALGORITHM AND VLSI ARCHITECTURE DESIGN OF PROPORTIONATE-TYPE LMS ADAPTIVE FILTERS FOR SPARSE SYSTEM IDENTIFICATION
VL017	COMBATING DATA LEAKAGE TROJANS IN COMMERCIAL AND ASIC APPLICATIONS WITH TIME-DIVISION MULTIPLEXING AND RANDOM ENCODING
VL018	FPGA IMPLEMENTATION OF HYBRID FIXED POINT - FLOATING POINT MULTIPLICATION
VL019	THE DEVELOPMENT PROCESS OF AN UART CHIP ON FPGA FOR DRIVING EMBEDDED DEVICES
VL020	IMPLEMENTATION OF ZIGBEE TRANSMITTER USING VERILOG
VL021	LOW - COMPLEXITY VLSI DESIGN OF LARGE INTEGER MULTIPLIERS FOR FULLY HOMOMORPHIC
VL022	THE DEVELOPMENT PROCESS OF AN SPI CHIP ON FPGA FOR DRIVING EMBEDDED DEVICES
VL023	VECTOR PROCESSING - AWARE ADVANCED CLOCK- GATING TECHNIQUES FOR LOW POWER FUSED MULTIPY -ADD

M	MATLAB BASED PROJECTS
TM001	AN AUTOMATIC MEASUREMENT OF THE TRAFFIC SIGN WITH DIGITAL SEGMENTATION AND RECOGNITION
TM002	AUTOMATIC DETECTION AND RECOGNITION OF TEXT BASED TRAFFIC SIGNS FROM IMAGES
TM003	ENHANCED CHARACTER RECOGNITION USING DEEP NEURAL NETWORK
TM004	INTELLIGENT REMOTE MONITORING OF PARKING SPACES USING LICENSED AND UNLICENSED WIRELESS TECHNOLOGIES
TM005	SMART HOME AUTOMATION USING COMPUTER VISION AND SEGMENTED IMAGE PROCESSING
TM006	AN AUTOMATIC ATTENDANCE SYSTEM USING IMAGE PROCESSING
TM007	FACE RECOGNITION AND RFID VERIFIED ATTENDANCE SYSTEM
TM008	GARBAGE MANAGEMENT USING INTERNET OF THINGS
TM009	IMPROVED VEHICLE COLLISION AVOIDANCE SYSTEM
TM010	MOVING OBJECT DETECTION WITH AN IP CAMERA
TM011	HAND WRITTEN OCR BASED IMAGE TEXT TO SPEECH CONVERSATION & DOCUMENT USING MATLAB
TM012	SMART E-DUSTBIN
TM013	REAL TIME TWO WAY COMMUNICATION APPROACH FOR HEARING IMPAIRED AND DUMB PERSON BASED ON IMAGE PROCESSING
TM014	FACE RECOGNITION AND DETECTION USING NEURAL NETWORKS AND MACHINE LEARNING
TM015	SMART PARKING USING IMAGE PROCESSING
TM016	DIGITAL DERMATOLOGY SKIN DISEASE DETECTION MODEL USING IMAGE PROCESSING
TM017	VISUAL ASSISTANCE FOR BLIND USING IMAGE PROCESSING
TM018	DESIGN OF A VEHICLE DRIVER DROWSINESS DETECTION SYSTEM THROUGH IMAGE PROCESSING USING MATLAB
TM019	AREA AND ENERGY EFFICIENT VITERBI ACCELERATOR FOR EMBEDDED PROCESSOR DATAPATHS
TM020	RELIABLE LOW-LATENCY VITERBI ALGORITHM ARCHITECTURES BENCHMARKED ON ASIC AND FPGA
TM021	PIPLINED 8-BIT RISC PROCESSOR DESIGN USING VERILOG HDL ON FPGA
TM022	AN EFFICIENT VLSI ARCHITECTURE FOR DATA ENCRYPTION STANDARD AND ITS FPGA IMPLEMENTATION
TM023	FPGA IMPLEMENTATION OF CHANNEL EMULATOR FOR TESTING OF WIRELESS AIR INTERFACE USING VHDL

TM024	VHDL IMPLEMENTATION OF SELF-TIMED 32-BIT FLOATING POINT MULTIPLIER WITH CARRY LOOK AHEAD ADDER
TM025	VLSI IMPLEMENTATION OF LOW PASS FIR FILTER AND ANALYSIS USING MATLAB
TM026	FFT IP CORE
TM027	FPGA IMPLEMENTATION OF DIGITAL PULSE WIDTH MODULATOR (DPWM) TECHNIQUES FOR DC-DC CONVERTERS
TM028	FPGA DESIGN AND IMPLEMENTATION OF DIGITAL PWM TECHNIQUE FOR DC-DC CONVERTERS
TM029	ARCHITECTURE IMPLEMENTATION OF DWT
TM030	VLSI IMPLEMENTATION OF A SINGLE -CYCLE PROCESSOR FOR A SUBSET OF THE MIPS ARCHITECTURE IN VERILOG HDL(HARDWARE DESCRIPTION LANGUAGE)
TM031	PORTABLE CAMERA -BASED ASSISTIVE TEXT AND PRODUCT LABEL READING FROM HANDHELD OBJECTS FOR BLIND PERSONS
TM032	AUTOMATIC CLASSIFICATION OF INTRACARDIAC MASSES IN ECHO CARDOGRAPH BASED ON SPARSE REPRESENTATION
TM033	FAST AND ADAPTIVE DETECTION OF PULMONARY NODULES IN THORACIC CT IMAGES USING HIERARCHICAL VECTOR QUANTIZATION
TM034	CLOTHING COLOR & PATTERN RECOGNITION FOR VISUALLY IMPAIRED PEOPLE
TM035	TRANSMISSION LINE FAULTS CLASSIFICATION USING WAVELET/FFT TRANSFORM
TM036	LOSSLESS IMAGE COMPRESSION TECHNIQUE USING COMBINATION OF LZW AND BCH CODES
TM037	COMPLETE BLOOD CHECK USING IMAGE PROCESSING
TM038	ROSE HARVESTING SYSTEM USING IMAGE PROCESSING
TM039	SLEEP DETECTION SYSTEM USING MATLAB IMAGE PROCESSING

TM	MATLAB PROJECTS WITH EMBEDDED BASED HARDWARE
TM001	LIFI COMMUNICATION OF TEXT , AUDIO AND IMAGE
TM002	AN INTEGRATED VISION -BASED ARCHITECTURE FOR HOME SECURITY SYSTEM
TM003	AUTOMATIC VEHICLE IDENTIFICATION BY NUMBER PLATE RECOGNITION
TM004	DIGITAL SWITCHING CONTROLLER FOR DC-DC CONVERTERS
TM005	A VIRTUAL TOUCH EVENT METHOD USING COLOR RECOGNITION
TM006	VISUAL INSPECTION AND CRACK DETECTION OF RAILROAD TRACKS
TM007	MATLAB AND EMBEDDED BASED SYSTEM FOR FACE RECOGNITION SYSTEM
TM008	AUDIO/SOUND COMMAND BASED APPLICATION CONTROL (HOME AUTOMATION BASED ON VOICE)

CAREER COURSES

- ❖ MACHINE LEARNING
- ❖ PYTHON APPLICATION DEVELOPMENT
- ❖ ARTIFICIAL INTELLIGENCE
- ❖ CORE JAVA
- ❖ INTERNET OF THINGS
- ❖ EMBEDDED SYSTEMS
- ❖ MATLAB / VLSI
- ❖ IEEE PROJECTS FOR ALL BRANCHES OF ENGINEERING STUDENTS
- ❖ INTERNSHIPS FOR FINAL YEAR STUDENTS

50 HOURS OF TRAINING WITH PLACEMENT ASSISTANCE



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- ▶ IEEE TRANSACTIONS ON EMBEDDED SYSTEMS
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- ▶ WIRELESS COMMUNICATION
- ▶ IEEE TRANSACTIONS ON MATLAB / VLSI
- ▶ IEEE TRANSACTIONS ON JAVA
- ▶ IEEE TRANSACTIONS ON PYTHON
- ▶ IEEE TRANSACTIONS ON INTERNET OF THINGS
- ▶ MECHANICAL FABRICATIONS

CONTACT US



Head Office - RT Nagar Branch

YES complex, # 19/3&4, 2nd Floor, Dinnur Main Road, R.T. Nagar Post, Bangalore - 560032

Email: technofist.projects@gmail.com



Vijaya Nagar Branch:

42/2 , 17 th Cross, 15 th main, M.C. Layout, Opp. Metro Station, Vijaya Nagar, Blore - 40



Yelahanka Branch:

1580 / 3, Doddaballapur Road, Next to Police Station, Yelahanka Bangalore - 560064

Ph. : +91 80 40969981

Mob.:+91 9008001602

www.technofist.com

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