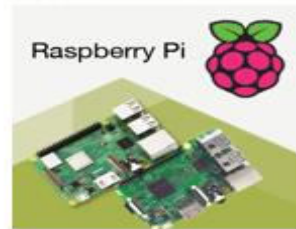


## EMBEDDED PROJECT LIST 2018-19



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Here is the list of project titles 2018 and 2019.



## **DOORS OF TECHNOLOGY:**

EMBEDDED SYSTEMS

MICROCONTROLLERS / ARM / PIC / AVR

WIRELESS TECHNOLOGIES

ROBOTICS ARDUINO

GSM & GPS/ ZIGBEE MATLAB /

VLSI

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## **PROJECT LIST**

### **EMBEDDED PROJECTS**

- IEEE PROJECT TITLES ON EMBEDDED SYSTEMS
- EMBEDDED KITS – MICROCONTROLLERS / ARM / PIC / AVR /AURDINO
- IEEE TRANSACTIONS ON ROBOTICS
- IEEE TRANSACTIONS ON GSM
- WIRELESS BASED PROJECTS
- BIO MEDICAL / MEDICAL ELECTRONICS BASED PROJECTS
- EEE – ELECTRICAL AND ELECTRONICS BASED PROJECTS
- TELECOMMUNICATION BASED PROJECTS
- INTERNET OF THINGS BASED PROJECTS
- GSM AND GPS BASED PROJECTS
- MATLAB
- VLSI

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## IEEE EMBEDDED PROJECT LIST 2018 AND 2019

	2019 EMBEDDED SYSTEM BASED PROJECT TITLES
TE001	DESIGN OF AUTOMATIC ACCIDENT DETECTION AND MANAGEMENT IN VEHICULAR ENVIRONMENT USING IOT
TE002	CONTINUOUS PATIENT MONITORING WITH A RELIABLE NEAR FIELD COMMUNICATION SYSTEM FOR ERROR-FREE TREATMENT
TE003	REAL TIME IMPLEMENTATION OF HYBRID PERSONAL TRACKING SYSTEM FOR ANOMALY DETECTION
TE004	LOW-COST VISUALLY SERVOED TRACKED VEHICLE
TE005	RTO SURVAILANCE SYSTEM WITH INTELLIGENT AMBULANCE DETECTION AND BLIND SPOT TRAFFIC LIGHT DETECTION
TE006	A WEARABLE, EEG-BASED MASSAGE HEADBAND FOR ANXIETY ALLEVIATION.
TE007	A WIRELESS SENSOR NETWORK BASED LOW COST AND ENERGY EFFICIENT FRAME WORK FOR PRECISION AGRICULTURE
TE008	MYRIO BASED MOBILE ROBOT FOR RESCUE COMPETITIONS
TE009	GREEN LEAF DETECTION USING RASPBERRY PI
TE010	BIOMETRIC SYSTEM BASED ELECTRONIC VOTING MACHINE USING RASPBERRY PI
TE011	MONITORING AND MAINTENANCE OF HIGHWAY BRIDGES USING WIRELESS SENSOR NETWORKS
TE012	RASPBERRY PI BASED CRUISE CONTROL MECHANISM IN TRAFFIC SITUATION
TE013	VOICE CONTROLLED HOME AUTOMATION USING RASPBERRY PI
TE014	RASPBERRY PI BASED GLOBAL INDUSTRIAL PROCESS MONITORING THROUGH WIRELESS COMMUNICATION.
TE015	MONITORING AND MAINTENANCE OF HIGHWAY BRIDGES USING WIRELESS SENSOR NETWORKS
TE016	SMART ROOMS FOR POWER SAVING USING VIDEO PROCESSING
TE017	RASPBERRY PI BASED VIDEO SURVEILLANCE SYSTEM FOR ADVANCE SECURITY
TE018	A LOW COST WEB BASED REMOTE MONITORING SYSTEM WITH BUILT-IN SECURITY FEATURE FOR VULNERABLE ENVIRONMENTS
TE019	SIXTH SENSE DEVICE -RASPBERRY PI BASED GESTURAL INTERFACE

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TE020	PADLOCK: AN INNOVATIVE METHOD OF ACCESSING CONTROL FOR HOME SECURITY
TE021	A MOBILE APPLICATION FOR FINE DUST MONITORING SYSTEM
TE022	A SAFE DRIVING EMBEDDED SYSTEM INTEGRATED WITH CAN PROTOCOL
TE023	BIDIRECTIONAL SMART PILL BOX MONITORED THROUGH INTERNET AND RECEIVING REMINDING MESSAGE FRO REMOTE RELATIVES
TE024	A CHERRY – TOMATO HARVESTING ROBOT
TE025	INTERACTIVE INTELLIGENT SHOPPING CART USING RFID AND ZIGBEE MODULES
TE026	KNOWLEDGE BASED REAL TIME MONITORING SYSTEM FOR AQUACULTURE USING IOT
TE027	AN INTERNET OF THINGS APPROACH FOR MOTION DETECTION USING RASPBERRY PI
TE028	WIRELESS BODY AREA NETWORK DEVELOPMENT FOR REMOTE PATIENT HEALTH OBSERVING
TE029	WIRELESS SENSOR NETWORK SYSTEM USING RASPBERRY PI AND ZIGBEE FOR ENVIRONMENTAL MONITORING APPLICATIONS
TE030	FULL AUTOMATION IN DRIVERLESS TRAINS: A MICROCONTROLLER – BASED PROTOTYPE
TE031	SMART HELMET USING GSM AND GPS TECHNOLOGY FOR ACCIDENT DETECTION AND REPORTING SYSTEM
TE032	A NOVEL APPROACH FOR COMMUNICATION AMONG BLIND, DEAF AND DUMB PEOPLE
TE033	MISSILE DETECTION AND AUTOMATIC DESTROY SYSTEM
TE034	REAL – TIME ATOMIZATION OF AGRICULTURAL ENVIRONMENT FOR SOCIAL MODERNIZATION OF INDIAN AGRICULTURAL SYSTEM USING ARM 7
TE035	DESIGNING AND MODELING OF VOICE CONTROLLED WHEEL CHAIR INCORPORATED WITH HOME AUTOMATION
TE036	CHILD RESCUE SYSTEM AGAINST OPEN BORE-WELLS AT AGRICULTURAL FIELDS IN INDIA
TE037	REAL TIME DATA ACQUISITION SYSTEM USING ARM AND RTOS.
TE038	TEMPERATURE AND HUMIDITY CONTROL SYSTEM USING GRAPHICAL LCD AND ARM
TE039	IMPLEMENTING PERIPHERALS USING 32 – BIT ARM MICROCONTROLLER
TE040	ARM AND RFID BASED SECURITY SYSTEM (HOME, OFFICE OR INDUSTRIAL)
TE041	HAND GESTURE RECOGNITION BASED ROBOT USING ACCELEROMETER SENSOR
TE042	GREENCHARGE: MANAGING RENEWABLE ENERGY IN SMART BUILDINGS

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TE043	SMART HOME-CONTROL AND MONITORING SYSTEM USING SMART PHONE
TE044	ARM BASED SMART POWER GENERATION AND MULTI PURPOSE OPTIMIZATION
TE045	INTERNET BASED HOME AUTOMATION SYSTEM USING ARM 7
TE046	ETHERNET CONTROLLER FOR HOME APPLIANCE USING INTERNET.
TE047	ARM BASED REMOTE TEMPERATURE CONTROLLER WITH ETHERNET.
TE048	DIGITAL RECEIPT SYSTEM (ARM+ETHERNET).
TE049	CHECK POINT ACCESS CONTROL USING ARM+ETHERNET+RFID.
TE050	TALKING THERMOMETER FOR VISUALLY IMPAIRED.
TE051	ARM AND GLCD BASED MICRO CONTROLLER CLOCK.

	<b>2019 EMBEDDED KITS BASED ON MICROCONTROLLERS / ARMS / PIC / AVR / AURDINO</b>
TAA001	AUTOMATIC ACCIDENT DETECTION AND AMBULANCE RESCUE SYSTEM – SMART BIOS SERVICES USING ARM
TAA002	CAR BLACK BOX SYSTEM FOR ACCIDENT PREDICTION AND CRASH RECOVERY USING IOT USING ARM
TAA003	EMBEDDED BASED FOOD QUALITY DETECTION USING ARM
TAA004	INTELLIGENT PILLBOX: AUTOMATIC AND PROGRAMMABLE ASSISTIVE TECHNOLOGY DEVICE
TAA005	DESIGN OF AUTOMATIC SPEEDBREAKER ON TIME DEMAND USING EMBEDDED SYSTEMS
TAA006	IOT BASED SMART GARBAGE AND WASTE COLLECTION BIN USING ARM
TAA007	MUTE SPEECH : A PROFICIENT TECHNIQUE TO COMMUNICATE AND TO DETECT EMOTIONS OF A DIFFERENTLY – ABLED PERSONS USING SENSOR DEVICES
TAA008	SMART HEALTHCARE USING IOT AND ARM
TAA009	HIGH PROTECTION VOICE IDENTIFICATION BASED BANK LOCKER SECURITY SYSTEM WITH LIVE VIDEO TRANSMISSION
TAA010	WIRELESS SENSOR NETWORKS – DENSITY BASED TRAFFIC CONTROLLER
TAA011	EFFICIENT POWER GENERATION BASED ON SOLAR TRACKING SYSTEM WITH PANEL CLEANING MECHANISM AND MULTIPURPOSE OPTIMIZATION
TAA012	AUTOMATED GREEN HOUSE STATUS MONITORING AND CONTROL SYSTEM

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TAA013	DEVELOPMENT OF AUTO WIPER CONTROLLER ACCORDING TO RAIN FORCE
TAA014	ALCOHOLIC BREATH ANALYSER AND TILT DETECTOR FOR VEHICLE SECURED IGNITION
TAA015	DEVELOPMENT OF ELECTRONIC STICK FOR BLIND WITH PANIC BUTTON ALERT.
TAA016	A NOVEL OPTIMUM POINT TRACKER OF THE SOLAR CELL POWER SUPPLY SYSTEM
TAA017	INTELLIGENT AGRICULTURE SYSTEM WITH WEATHER MONITORING
TAA018	RFID BASED TRAIN IDENTIFICATION, DETECTION AND UNMANNED RAILWAY CROSSING SYSTEM
TAA019	OUT – PATIENT TABLET TIME CARE SYSTEM WITH VOICE ANNOUNCEMENT
TAA020	MICROCONTROLLER BASED BANK LOCKER SECURITY SYSTEM WITH VOICE REPORTING
TAA021	DROWSINESS AND GASEOUS FUEL LEAK DETECTOR AND ALERTING SYSTEM
TAA022	AUTOMATIC VEHICLE SPEED, HORN, AND BRAKE MANAGEMENT SYSTEM ( WITH ANALYZER – OPTIONAL)
TAA023	DESIGN AND DEVELOPMENT OF SECURITY BASED VOTING SYSTEM FOR GOVERNMENT
TAA024	GAS LEAKAGE, THIEF AND FIRE DETECTOR AND AUTO DIALLING CONTROLLER SYSTEM
TAA025	INDUSTRIAL PROTECTION SYSTEM USING TEMPERATURE, SMOKE SENSORS AND LIGHT DEPENDENT RESISTOR
TAA026	TOKEN NUMBER DISPLAY WITH VOICE IN SECURITY USING MICROCONTROLLER AT89S52
TAA027	BLACK BOX FOR VEHICLES/CAR – INTELLIGENT VEHICLE MONITORING SYSTEM
TAA028	REMOTE CONTROLLED JACK FOR CARS
TAA029	PASSENGER PRE-PAID METRO CARD SYSTEM
TAA030	DESIGN AND IMPLEMENTATION OF AN ADVANCED SECURITY SYSTEM – INVISIBLE EYE
TAA031	AIRCRAFT BLACKBOX WITH AUTO INFORMATION TO THE BASE STATION
TAA032	ADVANCED RTO SURVEILLANCE SYSTEM
TAA033	KROTO FINDER
TAA034	WIRELESS COMMUNICATION BASED DIGITAL NOTICE BOARD USING GRAPHICAL LCD
TAA035	DEVELOPMENT OF WIRELESS SENSOR NETWORK FOR HEALTH MONITORING SYSTEM
TAA036	CABLE TESTER FOR INDUSTRIES USING AVR

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<b>TAA037</b>	MEDIBLACK BOX
<b>TAA038</b>	INDUSTRIAL AUTOMATION AND MONITORING SYSTEM (TEMPERATURE, VIBRATION, PRESSURE ETC).
<b>TAA039</b>	AUTOMATED AMBULANCE GATES AT AMBULANCE AND TRAFFIC SIGNALS.
<b>TAA040</b>	MICROCONTROLLER BASED HOME OR INDUSTRIAL AUTOMATION
<b>TAA041</b>	PATIENT MONITORING SYSTEM
<b>TAA042</b>	AN INTEGRATED NETWORK OF ROADSIDE SENSORS AND VEHICLES FOR DRIVING SAFETY : CONCEPT, DESIGN AND EXPERIMENTS
<b>TAA043</b>	DENSITY BASED TRAFFIC LIGHT CONTROLLER
<b>TAA044</b>	AUTOMATIC STREET LIGHT CONTROLLER WITH RTC
<b>TAA045</b>	MICROCONTROLLER BASED SECURITY DOOR CONTROL SYSTEM FOR ATM WITH VOICE ANNOUNCEMENT
<b>TAA046</b>	SMART PARKING SYSTEM
<b>TAA047</b>	RESEARCH OF TRAFFIC SIGNAL LIGHT INTELLIGENT CONTROL SYSTEM BASED ON MICROCONTROLLER
<b>TAA048</b>	INTELLIGENT HIGHWAY POLICE PATROLLING SYSTEM WITH SPEED SENSORS AND CAMERA FOR THE VEHICLES WHICH VIOLATES SPEED LIMITS.
<b>TAA049</b>	ALIVE HUMAN BEING DETECTOR IN WAR FIELDS, AFFECTED AREAS USING WAP WITH MODEL AND CAMERA – PIR (PASSIVE INFRARED SENSORS) FOR RESCUE OPERATIONS WITH COMMUNICATION
<b>TAA050</b>	UTILIZATION OF SOLAR ENERGY WITH TRACKING THE SUN USING STEPPER MOTOR AUTOMATICALLY
<b>TAA051</b>	DESIGN AND DEVELOPMENT OF SECURITY BASED VOTING SYSTEM FOR GOVERNMENT
<b>TAA052</b>	ROOM LIGHT AND FAN CONTROLLER WITH VISITOR'S COUNTER
<b>TAA053</b>	MICROCONTROLLER BASED AERONAUTICAL CRASH PREVENTION SYSTEM THROUGH RF COMMUNICATION
<b>TAA054</b>	AUTOMATIC PLANT WATERING AND TANK LEVEL ALERTING SYSTEM
<b>TAA055</b>	AIRPORT AUTOMATION
<b>TAA056</b>	ALCOHOLIC ANALYZER AND TILT DETECTOR FOR VEHICLE SECURED IGNITION
<b>TAA057</b>	BELT CONVOYER WITH PICK AND PLACE AND DIGITAL
<b>TAA058</b>	COLD BLOOD BANK STORAGE MANAGEMENT SYSTEM

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TAA059	DESIGNING A COMPLETE VEHICLE IMMOBILIZATION SYSTEM INTEGRATED WITH A PERSONALIZED ALERT MECHANISM
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	2019 IEEE TRANSACTIONS ON ROBOTICS
TT001	DEVELOPMENT OF DATA ACQUISITION ROBOT FOR TOXIC ENVIRONMENTAL MONITORING USING WSN – KROTO FINDER
TT002	CAMOUFLAGE TECHNIQUE BASED MULTIFUNCTIONAL ARMY ROBOT
TT003	DESIGN AND IMPLEMENTATION OF PICK AND PLACE ROBOT USING VOICE AND GESTURE RECOGNITION
TT004	SMART PHONE OPERATED MULTIPURPOSE AGRICULTURAL ROBOTIC VEHICLE - AGRIBOT
TT005	ROBOTIC SPEED BUMPS IN SWEDEN MAY BE THE ANSWER TO RECKLESS DRIVING
TT006	FABRICATION OF AUTOMATIC WASTE SEPARATION MODEL
TT007	A ROBOT THAT APPROACHES PEDESTRIANS
TT008	CHILD RESCUE SYSTEM AGAINST OPEN BORE-WELLS AT AGRICULTURAL FIELDS IN INDIA
TT009	LIVE HUMAN DETECTING ROBOT FOR EARTHQUAKE RESCUE OPERATION USING GSM AND GPS
TT009	LOWER LIMB POWERED EXOSKELETON FOR PARAPLEGIC PEOPLE ASSISTING IN THEIR WALKING AUGMENTATION USING FLEX SENSOR AND ACCELEROMETER
TT010	DEVELOPMENT OF HAPTIC ROBOTIC ARM USING FLEX SENSOR AND ACCELEROMETER
TT011	PC CONTROLLED UNMANNED FIGHTER
TT012	WHITE BOARD CLEANING ROBOT
TT013	QUAD HELICOPTER
TT014	LINE FOLLOWING ROBOT WITH FORK LIFT
TT015	WALL PAINTING ROBOT
TT016	INTELLIGENT COMBACT ROBOT FOR MILITARY OPERATIONS
TT017	OBJECT AVOIDING ROBOT USING ULTRASONIC SENSOR
TT018	AUTOMATIC VOICE PRONOUNCEMENT BASED ROBOT FIRE PSYCHOANALYTIC SYSTEM

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TT019	CELL PHONE OPERATED LAND ROVER
TT020	AUTO GUIDED VEHICLE WITH MATERIAL HANDLING AND OBSTACLE DETECTION
TT021	LIGHT/LINE AND DTMF SIGNAL FOLLOWING INTELLIGENT ROBOT
TT022	CONTROLLING ROBOTIC ARM WITH ETHERNET
TT023	STAIRCASE CLIMBING ROBOT
TT024	WALK AND TALK ROBOT
TT025	ROPE CLIMBING ROBOT WITH SURVEILLANCE CAPABILITY
TT026	LAND MINE DETECTING ROBOTIC VEHICLE
TT027	OBSTACLE AVOIDANCE ROBOTIC VEHICLE
TT028	EMBEDDED INTELLIGENT CAPABILITY OF A MODULAR ROBOTIC SYSTEM
TT029	FIRE EXTINGUISHING OR FIRE FIGHTING ROBOTIC VEHICLE WITH RF TECHNOLOGY
TT030	MULTIPLE INTERFACE SECURITY ROBOT
TT031	PIPE INSPECTION ROBOT
TT032	AUTOMATIC VOICE ANNOUNCEMENT BASED ROBOT FIRE ANALYSIS SYSTEM
TT033	WHEEL CHAIR FOR DISABLED PERSON USING ROBOT
TT034	IVRS SYSTEM BASED MOBILE CONTROLLING ROBOT
TT035	SPY ROBOT WITH BOMB DETECTION AND IMAGE MONITORING
TT036	INDUSTRIAL HAZARDOUS GAS LEAKAGE DETECTION AND INFORMATION SYSTEM USING INTELLIGENT ROBOT
TT037	3 – AXIS CONTROLLED ROBOT
TT038	IMAGE / VIDEO CAPTURING AND PC TELECASTING ROBOT
TT039	SOLAR OPERATED ROBOT
TT040	DESIGN AND DEVELOPMENT OF OBSTACLE SENSING AND OBJECT GUIDING ROBOT
TT041	ROBOTIC ARM CONTROL THROUGH INTERNET OR LAN FOR PATIENT SURGERY
TT042	INTELLIGENT LINE FOLLOWER ROBOT FOR INDUSTRIAL PURPOSE

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TT043	ROBOTIC PICK AND PLACE WITH DIGITAL COUNTER
TT044	BLUETOOTH CONTROLLED ROBOT
TT045	ROBOTIC ARM CONTROL THROUGH INTERNET / LAN FOR PATIENT OPERATION WITH ONE OPERATING TOOL
TT046	VOICE ENABLED WHEEL CHAIR
TT047	BALL TRACKING ROBOT

	<b>2019 IEEE TRANSCATIONS ON IOT – INTERNET OF THINGS / WIFI / LIFI BASED PROJECT TITLES</b>
TIW001	DESIGN OF AUTOMATIC ACCIDENT DETECTION AND MANAGEMENT IN VEHICULAR ENVIRONMENT USING IOT
TIW002	CONTINUOUS PATIENT MONITORING WITH A RELIABLE NEAR FIELD COMMUNICATION SYSTEM FOR ERROR – FREE TREATMENT
TIW003	DEVELOPMENT OF SMART HELMET BASED ON IOT TECHNOLOGY FOR SAFETY AND ACCIDENT DETECTION
TIW004	CAR BLACK BOX SYSTEM FOR ACCIDENT PREDICTION AND CRASH RECOVERY USING IOT
TIW005	DESIGN OF AUTOMATIC SPEEDBREAKER ON TIME DEMAND USING EMBEDDED SYSTEMS
TIW006	DESIGN AND IMPLEMENTATION OF AUTHENTICATION FOR SMART VEHICLE SYSTEM USING IOT
TIW007	AUTOMATIC TOLL COLLECTION AND VEHICLE ACCIDENT DETECTION USING RFID AND PIEZO ELECTRIC SENSOR
TIW008	A LOW COST RECONFIGURABLE SMART WATER QUALITY MONITORING SYSTEM IN IOT ENVIRONMENT
TIW009	DESIGN OF KNOWLEDGE BASED REAL TIME MONITORING SYSTEM FOR AQUACULTURE USING IOT
TIW010	DESIGN OF IOT BASED VEHICLE THEFT DETECTION SYSTEM
TIW011	A PROPOSED ARCHITECTURE FOR AUTOMATING PUBLIC DISTRIBUTION SYSTEM
TIW012	AN INTELLIGENT SYSTEM FOR INFANT CRY DETECTION AND INFORMATION IN REAL TIME USING IOT
TIW013	DESIGN OF A SMART MONITORING SYSTEM FOR WASTE MANAGEMENT USING IOT
TIW014	DESIGN OF IOT BASED ACCIDENT PRONE ZONE DETECTION USING ANDROID APPLICATION

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TIW015	INTELLIGENT PILLBOX : AUTOMATIC AND PROGRAMMABLE ASSISTIVE TECHNOLOGY DEVICE
TIW016	DESIGN OF A SMART CAR PARKING SYSTEM
TIW017	DESIGN OF INTELLIGENT STREET LIGHTING SYSTEM WITH SMART PARKING
TIW018	POWER MONITORING AND BILLING SYSTEM USING IOT
TIW019	A MICRO – LOCATION BASED DYNAMIC DEVICE ORIENTED CONTROL SYSTEM FOR IOT APPLICATIONS
TIW020	DESIGN OF IOT BASED SMART AND ADAPTIVE STREET LIGHTING SYSTEM
TIW021	IOT BASED TRANSMISSION LINE MULTIPLE FAULTS DETECTION AND INDICATION TO ELECTRICITY BOARD
TIW022	DESIGN AND IMPLEMENTATION OF IOT AGRIBOT
TIW023	DESIGN AND IMPLEMENTATION OF AN CAMOUFLAGE ARMY ROBOT
TIW024	SAFETY SYSTEM FOR ELDERLY WANDERING PERSON
TIW025	AN INTERNET OF THINGS APPROACH FOR MOTION DETECTION USING RASPBERRY PI
TIW026	A LOW COST WEB BASED REMOTE MONITORING SYSTEM WITH BUILD – IN SECURITY FEATURE FOR VULNERABLE ENVIRONMENTS
TIW027	A RECONFIGURABLE SMART SENSOR INTERFACE FOR INDUSTRIAL WSN AND HUMAN HEALTH MONITORING IN IOT ENVIRONMENT
TIW028	A RECONFIGURABLE SMART SENSOR INTERFACE FOR INDUSTRIAL WSN AND HUMAN
TIW029	DESIGN OF A WSN PLATFORM FOR LONG – TERM ENVIRONMENTAL MONITORING FOR IOT APPLICATIONS
TIW030	WIRELESS SYSTEM FOR MONITORING AND REAL – TIME CLASSIFICATION OF FUNCTIONAL ACTIVITY
TIW031	IOT BASED ANTI – POACHING ALARM SYSTEM FOR TREES IN FOREST USING WIRELESS SENSOR NETWORK
TIW032	DESIGN OF AN INTELLIGENT MANAGEMENT SYSTEM FOR AGRICULTURAL GREENHOUSES BASED ON THE INTERNET OF THINGS
TIW033	EVALUATION OF TYPICAL SPECTRAL INDICES FOR DROUGHT SURVEILLANCE SYSTEM FOR DROUGHT HIT AREAS
TIW034	ADAPTIVE MODELLING DETECTION SYSTEM USING IOT BEHAVIOR BASED ANOMALY DETECTION INTRUSION
TIW035	A DESIGN OF THE IOT GATEWAY FOR DENSE LANDSET FOREST SURVEIL SYSTEM USING WIRELESS SENSOR NETWORKS

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TIW036	A DESIGN OF THE IOT GATEWAY FOR AGRICULTURAL GREENHOUSES
TIW037	A DESIGN OF THE IOT GATEWAY FOR DENSE LANDSET FOREST SURVEIL SYSTEM USING WIRELESS SENSOR NETWORKS
TIW038	A METHOD OF WSN TO MONITOR COLD CHAIN LOGISTICS AS PART OF THE IOT TECHNOLOGY
TIW039	IOT BASED SMART GARBAGE AND WASTE COLLECTION BIN
TIW040	STREMS : A SMART REAL – TIME SOLUTION TOWARD ENHANCING EMS PREHOSPITAL QUALITY
TIW041	DESIGN AND IMPLEMENTATION OF A CHILDREN SAFETY SYSTEM BASED ON IOT TECHNOLOGIES
TIW042	SMART CITIES FOR FUTURE : DESIGN OF DATA ACQUISITION METHOD BASED ON IOT
TIW043	DEVELOPING INTELLIGENT SOFTWARE INTERFACE FOR WIRELESS MONITORING OF VEHICLE SPEED AND MANAGEMENT OF ASSOCIATED DATA
TIW044	RECONFIGURABLE SMART WATER QUALITY MONITORING SYSTEM IN IOT ENVIRONMENT
TIW045	AUTOMATIC DETECTION AND NOTIFICATION OF POTHOLES AND HUMPS ON ROADS TO AID DRIVERS
TIW046	LIFI COMMUNICATION OF TEXT, AUDIO AND IMAGE
TIW047	WIFI BASED INDUSTRIAL MONITORING AND CONTROLLING SYSTEM
TIW048	LIFI BASED PATIENT MONITORING SYSTEM
TIW049	A NON – INVASIVE REMOTE HEALTH MONITORING SYSTEM USING VISIBLE LIGHT COMMUNICATION
TIW050	WIFI FOR VEHICULAR COMMUNICATION SYSTEMS
TIW051	WIFI BASED HOME AUTOMATION
TIW052	WIFI BASED INDUSTRIAL AUTOMATION
TIW053	WIFI BASED PATIENT MONITORING SYSTEM
TIW054	WIFI BASED GREEN HOUSE MONITORING AND CONTROLLING SYSTEM
TIW055	WIFI BASED INDUSTRIAL MONITORING AND CONTROLLING SYSTEM
TIW056	LIFI BASED GREEN HOUSE MONITORING SYSTEM
TIW057	LIFI BASED INDUSTRIAL MONITORING SYSTEM
TIW058	WIFI OPERATED MOBILE ROBOT FOR MULTIPURPOSE UTILIZATION
TIW059	IOT BASED WATER MANAGEMENT SYSTEM

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	2019 IEEE TRANSCATIONS ON GSM BASED PROJECT TITLES
TTG001	DESIGN AND IMPLEMENTATION OF AN ADVANCED SECURITY SYSTEM – INVISIBLE EYE (POWER SAVING SYSTEM)
TTG002	LIVE HUMAN DETECTING ROBOT FOR EARTHQUAKE RESCUE OPERATION
TTG003	GSM BASED HEALTH CARE SYSTEM WITH HEART BEAT, GLUCOSE, TEMPERATURE MONITORING
TTG004	GSM BASED SECURITY SYSTEM WITH GAS LEAKAGE IDENTIFICATION AND THEFT CONTROLLING
TTG005	GREEN HOUSE MONITORING SYSTEM
TTG006	HOME SECURITY SYSTEM WITH AUTO DIALING (MISSED CALL OR SMS ALERT USING GSM MODEM)
TTG007	AUTOMATED GSM BASED ELECTRICITY BILLING AND CUT OFF SYSTEM
TTG008	DATA TRANSFER FOR ADVERTISEMENT DISPLAY OR NOTICE BOARD USING GSM
TTG009	MULTI PURPOSE SECURITY SYSTEM USING GSM
TTG010	INTELLIGENT RF SECURITY SYSTEM FOR BANKS WITH GSM MODEMS AND SENSORS
TTG011	REMOTE BILLING OF ENERGY METER OR WATER METER USING GSM MODEM
TTG012	TRACKING GOT – STAMP PAPER AND AUTOMATION USING GSM MODEM
TTG013	REAL ECG MACHINE FOR DOCTORS WITH DATA TRANSMISSION THROUGH GSM MODEM
TTG014	DATA ACQUISITION SYSTEM WITH GSM MODEM
TTG015	SMS BASED WEATHER REPORTING
TTG016	GSM BASED BORDER SECURITY SYSTEM
TTG017	GSM BASED COMPLETE IRRIGATION SOLUTION
TTG018	RAILWAY SECURITY MANAGEMENT SYSTEM (BRIDGE VIBRATION DETECTION) BASED ON GSM
TTG019	INDUSTRIAL MONITOR THROUGH GSM NETWORKS
TTG020	GSM BASED WIRELESS NOTICE BOARD
TTG021	MEDIBLACK BOX
TTG022	SMS BASED DEVICE CONTROL USING GSM MODEM (LIGHT, FAN, MOTOR ETC)

<b>TTG023</b>	GPS VEHICLE THEFT IDENTIFICATION AND TRACKING AND CONTROL SYSTEM
<b>TTG024</b>	GSM BASED WIRELESS HOME APPLIANCES MONITORING AND CONTROL SYSTEM (LIGHT, FAN, MOTOR ETC)
<b>TTG025</b>	HIGHWAY VEHICLE TRAFFIC MONITORING USING GSM

	<b>2019 IEEE TRANSCATIONS ON WIRELESS BASED PROJECT TITLES</b>
<b>TWB001</b>	WIRELESS COMMUNICATION FOR FIRE DETECTION SYSTEMS IN COMMERCIAL AREAS INDUSTRIAL AND HOME
<b>TWB002</b>	INVOLUNTARY STATION NAME DISPLAY WITH VOICE ATTENTIVE SYSTEM FOR TRAIN
<b>TWB003</b>	WIRELESS ELECTRONIC VOTING MACHINE
<b>TWB004</b>	ADVANCED AUTOMATIC INTELLIGENT TRAIN ENGINE SYSTEM
<b>TWB005</b>	INDUSTRIAL SECURED TIDY SMOKE DETECTION AND ALARM SYSTEM THROUGH WIRELESS
<b>TWB006</b>	WIRELESS TSUNAMI WARNING ALARM FOR PEOPLE SECURITY
<b>TWB007</b>	VEHICLE ACCIDENT PREVENTION USING EYE BLINK SENSOR USING WIRELESS
<b>TWB008</b>	AUTOMATIC VEHICLE OVER SPEED CONTROLLING SYSTEM FOR SCHOOL ZONE AND HORN CONTROLLER FOR HOSPITAL ZONE.
<b>TWB009</b>	AUTOMATED RAILWAY GATE LEVEL CROSSING SCRUTINIZE AND CONTROL SYSTEM
<b>TWB010</b>	WIRELESS BUS STOP INFORMATION PROVIDER SYSTEM FOR PASSENGERS AND STATION ANNOUNCEMENTS
<b>TWB011</b>	FACILITATE TRAFFIC SIGNAL IDENTIFICATION FOR BLINK PEOPLE

	<b>2019 IEEE TRANSCATIONS ON SMART CARD/ RFID BASED PROJECT TITLES</b>
<b>TSR001</b>	CONTINOUS PATIENT MONITORING WITH A RELIABLE NEAR FIELD COMMUNICATION SYSTEM FOR ERROR-FREE TREATMENT

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TSR002	AUTOMATIC TOLL COLLECTION AND VEHICLE ACCIDENT DETECTION USING RFID AND PIEZO ELECTRIC SENSOR
TSR003	A PROPOSED ARCHITECTURE FOR AUTOMATING PUBLIC DISTRIBUTION SYSTEM
TSR004	INTELLIGENT PILLBOX : AUTOMATIC AND PROGRAMMABLE ASSISTIVE TECHNOLOGY DEVICE
TSR005	DESIGN AND IMPLEMENTATION OF A CHILDREN SAFETY SYSTEM BASED ON IOT TECHNOLOGIES
TSR006	RFID BASED TRAIN IDENTIFICATION AND RAILWAY CROSSING SYSTEM
TSR007	AUTOMATIC ACCIDENT IDENTIFICATION, DETECTION VIA VIBRATION SENSORS USING RF TECHNOLOGY
TSR008	RFID BASED FILE TRACKING SYSTEM FOR BIG GOVERNMENT ORGANIZATIONS
TSR009	RFID BASED ATTENDANCE CARD SYSTEM
TSR010	LUGGAGE TRACKING SYSTEM USING RFID
TSR011	AUTOMATED AND UNMANNED VEHICLE TOLL COLLECTION / PARKING SYSTEM USING RFID TECHNOLOGY
TSR012	RFID BASED HUMAN / VEHICLE DETECTION AND MONITORING SYSTEM
TSR013	RFID BASED VEHICLE IDENTIFICATION AND SPEED MEASUREMENT
TSR014	PC BASED DOOR ACCESS AND ATTENDANCE LOGGER USING RFID
TSR015	ROUTING, GUIDING, OBSTACLE DETECTING AND CONTROLLING OF VEHICLE USING ACTIVE RFID TECHNOLOGY
TSR016	RFID BASED EMPLOYEE DATABASE MANAGEMENT USING RTC
TSR017	RFID BASED BLIND MAN STICK
TSR018	RFID BASED EVENT TRACKING SYSTEM FOR SPORTS
TSR019	STUDENT ATTENDANCE SYSTEM USING RFID TECHNOLOGY AND VB.NET
TSR020	PREPAID ENERGY METER USING RFID
TSR021	PREPAID CAR FOR BROWSING CENTER USING RFID
TSR022	PREPAID CARD FOR PETROL BUNK
TSR023	AUTOMATIC CAR PARKING SYSTEM
TSR024	DOOR OPENING AND CLOSING SYSTEM WITH SECURITY USING RFID

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TSR025	VOTER CREDENTIALS AND AUTHENTICATION SYSTEM USING RFID TECHNOLOGY
TSR026	THEFT IDENTIFICATION SYSTEM FOR SUPERMARKETS USING RFID

	<b>2019 IEEE TRANSCATIONS ON BIO METRICS BASED PROJECT TITLES</b>
TBB001	THREE LEVEL SECURITY WITH FACE RECOGNITION
TBB002	DESIGN AND IMPLEMENTATION OF AUTHENTICATION FOR SMART VEHICLE SYSTEM USING IOT
TBB003	DESIGN OF IOT BASED VEHICLE THEFT DETECTION SYSTEM
TBB004	FINGERPRINT PREDICTION ENABLED PASSPORT AUTHENTICATION SYSTEM
TBB005	INVOLUNTARY, BIOMETRIC DOOR ACCESS CONTROL AND ATTENDANCE MAINTENANCE SYSTEM
TBB006	HIGH PROTECTION SECURITY SYSTEM WITH BIOMETRIC AND VIDEO TRANSMISSION
TBB007	BIOMETRIC RECOGNITION SYSTEM BASED DIGITAL VOTING MACHINE
TBB008	ELECTRONIC LIBRARY MANAGEMENT SYSTEM USING FINGER PRINT SENSOR
TBB009	PATIENT MEDICAL INFORMATION SYSTEM USING FINGER PRINT
TBB010	FINGER PRINT PREDICTION ENABLED PASSPORT AUTHENTICATION SYSTEM
TBB011	INVOLUNTARY, BIOMETRIC DOOR ACCESS CONTROL AND ATTENDANCE MAINTENANCE SYSTEM
TBB012	IVRS BASED AUTOMATIC TELLER MACHINE TRANSACTION SYSTEM WITH THE HELP OF RFID TECHNOLOGY FOR BLIND PEOPLE WITH BIOMETRIC AUTHENTICATION
TBB013	HIGH PROTECTION ATM SYSTEM WITH FINGER PRINT IDENTIFICATION TECHNOLOGY WITH IMAGE RECORD AND GSM
TBB014	MEMS BASED PC COMMANDS USING HAND SIGNALS
TBB015	REAL TIME IMPLEMENTATION OF BIOPAD FINGER PRINT ATTENDANCE MONITOR

## PROJECTS BASED ON MEDICAL ELECTRONICS / BIO MEDICAL

TMB001	LEG MOTION TRACKER
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<b>TMB002</b>	DESIGN OF AUTOMATIC ACCIDENT DETECTION AND MANAGEMENT IN VEHICULAR ENVIRONMENT USING IOT
<b>TMB003</b>	CONTINUOUS PATIENT MONITORING WITH A RELIABLE NEAR FIELD COMMUNICATION SYSTEM FOR ERROR – FREE TREATMENT
<b>TMB004</b>	FABRICATION OF BIOMETRIC AUTOMATED PILL DISPENSER
<b>TMB005</b>	A WIRELESS ELECTROCARDIOGRAM DETECTION FOR PERSONAL HEALTH MONITORING
<b>TMB006</b>	THE DEVELOPMENT OF A BLOOD LEAKAGE MONITORING SYSTEM FOR THE APPLICATIONS IN HEMODIALYSIS THERAPY
<b>TMB007</b>	MICROCONTROLLER BASED BABY INCUBATOR USING SENSORS
<b>TMB008</b>	SMART INSOLE : A WEARABLE SYSTEM FOR GAIT ANALYSIS
<b>TMB009</b>	VIRTUAL SPIROMETRY FOR RESPIRATORY FUNCTION TESTING FOR PATIENT
<b>TMB010</b>	A NON – INVASIVE REMOTE HEALTH MONITORING SYSTEM USING VISIBLE LIGHT COMMUNICATION
<b>TMB011</b>	SYSTOLIC BLOOD PRESSURE ESTIMATION USING ANDROID SMART PHONE
<b>TMB012</b>	COMPLETE BLOOD CHECK USING IMAGE PROCESSING

## PROJECTS BASED ON ELECTRICALS AND ELECTRONICS (EEE)

<b>TEE001</b>	SOLAR TRACKING SYSTEM WITH AUTOMATIC PANEL CLEANING MECHANISM FOR EFFICIENT POWER GENERATION
<b>TEE002</b>	SMART METER FOR POWER FACTOR ENHANCEMENT IN REAL – TIME
<b>TEE003</b>	SOLAR POWER GENERATOR SEVEN LEVEL TO NINE LEVEL CONVERTER
<b>TEE004</b>	SMART POWER SOURCE SELECTOR
<b>TEE005</b>	BATTERY MANAGEMENT SYSETM
<b>TEE006</b>	SMART HOUR METER
<b>TEE007</b>	ENERGY METER BILLING WITH THEFT DETECTION
<b>TEE008</b>	TRANSMISSION LINE MULTIPLE FAULTS DETECTION AND INDICATION TO ELECTRICITY BOARD
<b>TEE009</b>	DATA ACQUISITION AND MONITORING OF SOLAR PANELS USING 2 – CHANNEL DATA LOGGER AND .NET APPLICATION
<b>TEE010</b>	A BUCK – BOOST INTEGRATED FULL BRIDGE INVERTER FOR SOLAR PHOTOVOLTAIC BASED STANDALONE SYSTEM

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TEE011	A NOVEL METHOD TO EXTRACT MAXIMUM POWER FROM SOLAR PANEL OF A GRID CONNECTED PHOTOVOLTAIC SYSTEM USING PHASE ANGLE CONTROL AND HYSTERESIS CURRENT CONTROL
TEE012	HIGH – EFFICIENCY DC – DC CONVERTER FOR LARGE INPUT – VOLTAGE FLUCTUATIONS IN SOLAR APPLICATIONS
TEE013	IMPLEMENTATION OF A WEB OF THINGS BASED SMART GRID TO REMOTELY MONITOR AND CONTROL RENEWABLE ENERGY SOURCES
TEE014	ENERBEE – EXAMPLE OF AN ADVANCED METERING INFRASTRUCTURE BASED ON ZIGBEE
TEE015	REAL – TIME DETECTION SYSTEM OF ELECTRICAL DISTURBANCES FOR REMOTE COMMUNICATION STATIONS AND SMART GRID
TEE016	POWER FACTOR METERING SYSTEM USING ARDUINO
TEE017	WIRELESS RESIDENTIAL POWER MONITORING SYSTEM
TEE018	USING ARDUINO DEVELOPMENT PLATFORM IN THE DIAGNOSIS OF AC ELECTRICAL MACHINES
TEE019	ASYMMETRICAL TWO – PHASE INDUCTION MOTOR SPEED CONTROLLED BY MULTILEVEL INVERTER EMPLOYING CASCADED TRANSFORMERS
TEE020	DESIGN AND IMPLEMENTATION OF REAL TIME TRANSFORMER HEALTH MONITORING SYSTEM USING GSM TECHNOLOGY
TEE021	DEVELOPMENT OF EFFICIENT POWER GENERATION USING AUTOMATED RENEWABLE SOURCES AND AUTOMATING STREET LIGHTS ACCORDING TO TRAFFIC DENSITY
TEE022	DESIGN AND IMPLEMENTATION OF AN ADVANCED SECURITY SYSTEM – INVISIBLE EYE (POWER SAVING SYSTEM)
TEE023	ANDROID BASED DEVICE CONTROL – HOME OR OFFICE AUTOMATION
TEE024	FOOT STEP BASED POWER GENERATION AND MULTIPURPOSE OPTIMIZATION
TEE025	UNIVERSAL ELECTRICAL POWER GENERATION AND MULTIPURPOSE OPTIMIZATION – SOLAR, WIND AND RAIN
TEE026	SOLAR TRACKING SYSTEM WITH AUTOMATIC PANEL CLEANING MECHANISM FOR EFFICIENT POWER GENERATION
TEE027	ELECTRICAL SUBSTATION SCRUTINIZEING AND CONTROLLING DEVICE FROM REMOTE AREA
TEE028	WIRELESS POWER TRANSMISSION
TEE029	ANDROID MEETS LED BULBS IN SMART – HOME AUTOMATION
TEE030	TRANSFORMER INDUSTRIAL PARAMETERS MANAGEMENT CONTROL SYSTEM AND INTIMATION TO ELECTRICITY BOARD
TEE031	REALIZATOIN OF PREPAID BILL MANAGEMENT SYSTEM FOR ELECTRICITY BOARD
TEE032	VOICE OPERATED INDUCTION MOTOR SPEED CONTROL THROUGH RF COMMUNICATION

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TEE033	ONLINE SPEED CONTROL OF DC MOTOR WITH HIGH SPEED NETWORK
TEE034	TALKING ENERGY METER
TEE035	MICRO CONTROLLER BASED INTELLIGENT MULTI TIMER SYSTEM FOR INDUSTRIAL AUTOMATION
TEE036	ENERGY SCRUTINING SYSTEM WITH AUTO LOAD
TEE037	SMART CARD BASED PREPAID ELECTRICITY BILLING
TEE038	AUTO DIGITAL – SPEED INDICATOR WITH SPEED CONTROL
TEE039	DC MOTOR SPEED CONTROLLING USING BLUETOOTH
TEE040	AUTOMATIC DC MOTOR SPEED CONTROL WITH AUTOMATIC FEEDBACK VIA SMS USING PWM TECHNOLOGY
TEE041	GSM AND PIR SENSOR BASED LIGHT CONTROLLER AND NETWORKED SAFETY SYSTEM
TEE042	ELECTRIC FIELD AND ULTRASONIC SENSOR BASED SECURITY SYSTEM
TEE043	MOBILE CONTROLLED DC MOTOR SPEED CONTROLLER
TEE044	PRE PAID POWER ENERGY METER
TEE045	REAL TIME LOAD SHEDDING FOR POWER LINES
TEE046	A NOVEL OPTIMUM POINT TRACKER OF THE SOLAR CELL POWER SUPPLY SYSTEM

### VLSI BASED PROJECT TITLES

TV001	VLSI – FPGA IMPLEMENTATION OF AES ALGORITHM
TV002	VLSI – FPGA IMPLEMENTATION OF PIPELINED FAST FOURIER TRANSFORM (FFT) ALGORITHM
TV003	RELIABLE LOW LATENCY VITERBI ALGORITHM ARCHITECTURE BENCHMARKED ON ASIC AND FPGA
TV004	FPGA IMPLEMENTATION OF DIGITAL PULSE WIDTH MODULATOR (DPWM) TECHNIQUES FOR DC – DC CONVERTERS
TV005	VLSI IMPLEMENTATION OF LOW PASS FIR FILTER AND ANALYSIS USING MATLAB
TV006	ARCHITECTURE IMPLEMENTATION OF DWT
TV007	VHDL IMPLEMENTATION OF SELF – TIMED 32 –BIT FLOATING POINT MULTIPLIER WITH CARRY LOOKAHEAD ADDER
TV008	FPGA IMPLEMENTATION OF CHANNEL EMULATOR FOR TESTING OF WIRELESS AIR INTERFACE USING VHDL

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TV009	AN EFFICIENT VLSI ARCHITECTURE FOR DATA ENCRYPTION STANDARD AND ITS FPGA IMPLEMENTATION
TV010	VLSI – FPGA IMPLEMENTATION OF GMSK TRANSMITTER
TV011	PIPELINED 8 – BIT RISC PROCESSOR DESIGN USING VERILOG HDL ON FPGA
TV012	EFFICIENT FPGA MAPPING OF PIPELINE SDF FFT CORES
TV013	VLSI – FPGA IMPLEMENTATION OF OFDM IP
TV014	VLSI – FPGA IMPLEMENTATION OF A SINGLE – CYCLE PROCESSOR FOR A SUBSET OF THE MIPS ARCHITECTURE IN VERILOG HDL (HARDWARE DESCRIPTION LANGUAGE)
TV015	VLSI – FPGA IMPLEMENTATION OF VITERBI DECODER
TV016	IMPLEMENTATION OF SELF RELIABILITY BASED WEIGHTED SOFT BIT FLIPPING AND DECODING FOR EG – LDPC CODES

### MATLAB BASED PROJECT TITLES

TM001	EFFICIENT FPGA MAPPING OF PIPELINE SDF FFT CORES
TM002	IMPLEMENTATION OF SIXTH SENSE DEVICE
TM003	AREA AND ENERGY EFFICIENT VITERBI ACCELERATOR FOR EMBEDDED PROCESSOR DATAPATHS
TM004	RELIABLE LOW- LATENCY VITERBI ALGORITHM ARCHITECTURES BENCHMARKED ON ASIC AND FPGA
TM005	PIPELINED 8 – BIT RISC PROCESSOR DESIGN USING VERILOG HDL ON FPGA
TM006	AN EFFICIENT VLSI ARCHITECTURE FOR DATA ENCRYPTION STANDARD AND ITS FPGA IMPLEMENTATION
TM007	FPGA IMPLEMENTATION OF CHANNEL EMULATOR FOR TESTING OF WIRELESS AIR INTERFACE USING VHDL
TM008	VHDL IMPLEMENTATION OF SELF – TIMED 32 – BIT FLOATING POINT MULTIPLIER WITH CARRY LOOK AHEAD ADDER.
TM009	VLSI IMPLEMENTATION OF AES ENCRYPTION / DECRYPTION ALGORITHM
TM010	ARCHITECTURE IMPLEMENTATION OF DWT
TM011	VLSI IMPLEMENTATION OF LOW PASS FIR FILTER AND ANALYSIS USING MATLAB
TM012	FFT IP CORE
TM013	FPGA IMPLEMENTATION OF DIGITAL PULSE WIDTH MODULATOR (DPWM) TECHNIQUES FOR DC – DC CONVERTERS

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TM014	VLSI IMPLEMENTATION OF A SINGLE – CYCLE PROCESSOR FOR A SUBSET OF THE MIPS ARCHITECTURE IN VERILOG HDL (HARDWARE DESCRIPTION LANGUAGE)
TM015	PORTABLE CAMERA – BASED ASSISTIVE TEXT AND PRODUCT LABEL READING FROM HANDHELD OBJECTS FOR BLIND PERSONS
TM016	AUTOMATIC CLASSIFICATIN OF INTRACARDIAC MASSES IN ECHO CARDIOGRAPH BASED ON SPARSE REPRESENTATION
TM017	FAST AND ADAPTIVE DETECTION OF PULMONARY NODULES IN THORACIC CT IMAGES USING HIERARCHICAL VECTOR QUANTIZATION
TM018	CLOTHING COLOR AND PATTERN RECOGNITION FOR VISUALLY IMPAIRED PEOPLE
TM019	TRANSMISSION LINE FAULTS CLASSIFICATION USING WAVELET / FFT TRANSFORM
TM020	LOSSLESS IMAGE COMPRESSION TECHNIQUE USING COMBINATION OF LZW AND BCH CODES
TM021	COMPLETE BLOOD CHECK USING IMAGE PROCESSING
TM022	ROSE HARVESTING SYSTEM USING IMAGE PROCESSING
TM023	SLEEP DETECTION SYSTEM USING MATLAB IMAGE PROCESSING
	<b>MATLAB PROJECTS WITH EMBEDDED BASED HARDWARE</b>
TME001	IMPLEMENTATION OF THREE LEVEL SECURITY
TME002	LIFI COMMUNICATION OF TEXT, AUDIO AND IMAGE
TME003	AN INTEGRATED VISION – BASED ARCHITECTURE FOR HOME SECURITY SYSTEM
TME004	AUTOMATIC VEHICLE IDENTIFICATION BYNUMBER PLATE RECOGNITION
TME005	DIGITAL SWITCHING CONTROLLER FOR DC – DC CONVERTERS
TME006	A VIRTUAL TOUCH EVENT METHOD USING COLOUR RECOGNITION
TME007	VISUAL INSPECTION AND CRACK DETECTION OF RAILROAD TRACKS
TME008	MATLAB AND EMBEDDED BASED SYSTEM FOR FACE RECOGNITION SYSTEM
TME009	AUDIO/ SOUND COMMAND BASED APPLICATION CONTROL (HOME AUTOMATION BASED ON VOICE)

## ANDROID BASED PROJECT TITLES

TA001	ANDROID MEETS LED BULBS IN SMART-HOME AUTOMATION.
TA002	GREEN HOUSE MONITORING AND CONTROL USING SMART PHONES
TA003	ANDROID BASED DEVICE CONTROL.
TA004	ANDROID BASED HOME AUTOMATION.
TA005	DEVELOPMENT AND CONTROLLING OF 5 IN 1 MULTIPURPOSE AGRICULTURAL ROBOT USING SMART PHONES
TA006	ANDROID CONTROLLED PICK AND PLACE MOBILE ROBOT.
TA007	LPG GAS MONITORING AND BOOKING USING SMART PHONE
TA008	DEVELOPMENT OF PAITENT MONITORING SYSTEM USING SMART PHONE
TA009	INDUSTRIAL MONITORING AND CONTROL SYSTEM USING ANDROID APPLICATION.
TA010	SPEECH BASED CONTROL & ALERT SYSTEM FOR SENIOR CITIZENS USING ANDROID MOBILE
TA011	AN ANDROID BASED APPLICATION FOR EMERGENCY HELPING
TA012	SMART PHONE CONTROLLED ANDROID ROBOT WITH LIVE VIDEO TRANSMISSION
TA013	ANDROID SPEECH RECOGNITION BASED VOICE COMMAND NOTICE BOARD
TA014	DEVELOPMENT OF WSN BASED WATER LEVEL MONITORING AND CONTROL SYSTEM USING ANDROID
TA015	ANDROID BASED ANTENNA POSITIONING SYSTEM.
TA016	ANDROID BASED PAITENT MONITORING SYSTEM
TA017	ANDROID OPERATED ADVANCED WHEEL CHAIR CUM STRETCHER
TA018	SMART PHONE OPERATED MOBILE ROBOT FOR MULTIPURPOSE PICK AND PLACE OPERATIONS

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## **EMBEDDED COURSES**

The course involves a span of 50 hours where the student will be trained from the basic level to the industrial level with hands on real time projects involving microcontroller, robotics concepts. The students will be given course completion certificate at the end of the course and will be assisted in placements

An embedded system is a programmed controlling and operating system with a dedicated function within a larger mechanical or electrical system, often with real-time computing constraints. It is embedded as part of a complete device often including hardware and mechanical parts.

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OUR CUSTOMERS are delighted with the business benefits of the Technofist Embedded solutions.

The course involves 3 stages of learning Embedded:

- ✓ Beginner level
- ✓ Intermediate level
- ✓ Advanced level

The beginner level involves the:

### **INTRODUCTION TO EMBEDDED SYSTEM**

- History & need of Embedded System
- Basic components of Embedded System
- Programming Language Classification of Embedded System
- Advantage & Disadvantage

### **MICROPROCESSOR & MICROCONTROLLER CLASSIFICATION**

- Difference between Microprocessor & Microcontroller
- Classification based on architecture
- Memory Classification

### **INTRODUCTION OF EMBEDDED C**

- Introduction to Embedded C
- Difference between C & Embedded C
- Programming style
- Basic structure of C program



## INTRODUCTION OF ARDUINO MICROCONTROLLER

- ✓ Interfacing sensors, actuators and other peripherals to Arduino microcontroller

The intermediate level involves :

## INTRODUCTION TO 8051 MICROCONTROLLER

### REGISTERS & MEMORY OF AT89C51

- Description of RAM
- Description of CPU Registers
- Functions of SFR

## INTRODUCTION TO SOFTWARES

- ✓ Kiel Compiler
- ✓ Proteus
- ✓ Interfacing Of Adc
- ✓ Interfacing Of Led
- ✓ Interfacing Of Seven Segment Display
- ✓ Interfacing Of Lcd
- ✓ Interfacing Of Switches & Keyboard Matrix
- ✓ Interfacing Of Motors
- ✓ Timers & Counters Programming
- ✓ Serial Communication Programming
- ✓ Sensor Interfacing
- ✓ Embedded Networking
- ✓ I2C Bus Standard
- ✓ Bluetooth
- ✓ Zigbee-
- ✓ USB
- ✓ UART

## ON JOB TRAINING

**On-the Job Training (OJT)** means training in the public or private sector that is given to a paid employee while he/she is engaged in productive work and that provides knowledge and skills essential to the full and adequate performance on the job.

On the job **training** is an opportunity to take a glimpse into the world of business. If you've been in school for years, this first glimpse can show you how a business is run, what workers are like and how they are perceived by their peers.

### PERMANENT JOB CUM TRAINING PROGRAM

ONE YEAR JOB GUARANTEE WITH 10000/-per month SALARY after 6 months and 5000 / -per month after 3 months of training.

DON'T WASTE YOUR MONEY WITH TRAINING INSTITUTES WHO DON'T OFFER JOB END YOUR FRUSTRATED JOB SEARCH TODAY FOREVER JOIN IN JOB- GET SALARY & WORK EXPERIENCE WHILE GETTING TRAINED

Who Should Apply?

- ✓ B.Tech ( Any specialization)/M.Tech /MSc (comp/IT)/ MCA Pass outs from 2015, 2016, 2017,2018 batches with 50% and above – Job Seekers with No Skills or little Skills in Java/.Net/PHP/Mobile Apps development/Embedded and Mechanical domain
- ✓ Engineering Graduates who got into non software jobs and want to get back into software programmer jobs can apply.
- ✓ Have ability to pay training fee and willing to join Job cum Training Program.

### ON JOB TRAINING PROGRAM FEE

- ✓ Training Cost for the Program: 30,000.
- ✓ Get offer letter upon payment of Training cost directly, Walk in with fee and go out with appointment letter.

• JOB CONTINUITY IN SECOND YEAR: – Continuity of job will be provided with increased salary up to 15000 -20000 based up on candidate performance and discipline.

### Joining Procedure

- Attend Technical & HR Interview
- Get offer Letter as Software or Embedded Engineer
- Pay 30,000 as On Job Training fee and Join as Permanent employee.
- Join into Project Team and work on Software Development, Application Development, Web Development, Embedded project development and Training.

Do refer your friends

## HEAD OFFICE

### TECHNOFIST- R T NAGAR

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