

EMBEDDED PROJECT LIST 2017 - 2018



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TECHNOFIST a leading student's project solution providing company established in Bangalore since 2007. With perfect infrastructure, lab set up, Work shop, Expertise faculties make us competitive service providers.

Here is the list of project titles 2017 and 2018.



DOORS OF TECHNOLOGY:

- EMBEDDED SYSTEMS
- MICROCONTROLLERS / ARM / PIC / AVR
- WIRELESS TECHNOLOGIES
- ROBOTICS
- ARDUINO
- GSM & GPS/ ZIGBEE
- MATLAB / VLSI

Projects are available for all branches of ENGINEERING, DIPLOMA, MCA/BCA, and MSc/BSc.

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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 2017 AND 2018

| | 2018 EMBEDDED SYSTEM BASED PROJECT TITLES |
|-------|--|
| TE001 | REAL TIME IMPLEMENTATION OF HYBRID PERSONAL TRACKING SYSTEM FOR ANOMALY DETECTION |
| TE002 | LOW-COST VISUALLY SERVOED TRACKED VEHICLE |
| TE003 | RTO SURVAILANCE SYSTEM WITH INTELLIGENT AMBULANCE DETECTION AND BLIND SPOT TRAFFIC LIGHT DETECTION |
| TE004 | A WEARABLE, EEG-BASED MASSAGE HEADBAND FOR ANXIETY ALLEVIATION. |
| TE005 | A WIRELESS SENSOR NETWORK BASED LOW COST AND ENERGY EFFICIENT FRAME WORK FOR PRECISION AGRICULTURE |
| TE006 | MYRIO BASED MOBILE ROBOT FOR RESCUE COMPETITIONS |
| TE007 | GREEN LEAF DETECTION USING RASPBERRY PI |
| TE008 | BIOMETRIC SYSTEM BASED ELECTRONIC VOTING MACHINE USING RASPBERRY PI |
| TE009 | MONITORING AND MAINTENANCE OF HIGHWAY BRIDGES USING WIRELESS SENSOR NETWORKS |
| TE010 | RASPBERRY PI BASED CRUISE CONTROL MECHANISM IN TRAFFIC SITUATION |
| TE011 | VOICE CONTROLLED HOME AUTOMATION USING RASPBERRY PI |
| TE012 | RASPBERRY PI BASED GLOBAL INDUSTRIAL PROCESS MONITORING THROUGH WIRELESS COMMUNICATION. |
| TE013 | MONITORING AND MAINTENANCE OF HIGHWAY BRIDGES USING WIRELESS SENSORNETWORKS |
| TE014 | SMART ROOMS FOR POWER SAVING USING VIDEO PROCESSING |
| TE015 | RASPBERRY PI BASED VIDEO SURVEILLANCE SYSTEM FOR ADVANCE SECURITY |
| TE016 | A LOW COST WEB BASED REMOTE MONITORING SYSTEM WITH BUILT-IN SECURITY FEATURE FOR VULNERABLE ENVIRONMENTS |
| TE017 | SIXTH SENSE DEVICE -RASPBERRY PI BASED GESTURAL INTERFACE |
| TE017 | PADLOCK: AN INNOVATIVE METHOD OF ACCESSING CONTROL FOR HOME SECURITY |
| TE018 | A MOBILE APPLICATION FOR FINE DUST MONITORING SYSTEM |

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| TE019 | A SAFE DRIVING EMBEDDED SYSTEM INTEGRATED WITH CAN PROTOCOL |
| TE020 | BIDIRECTIONAL SMART PILL BOX MONITORED THROUGH INTERNET AND RECEIVING REMINDING MESSAGE FROM REMOTE RELATIVES |
| TE021 | A CHERRY-TOMATO HARVESTING ROBOT |
| TE022 | INTERACTIVE INTELLIGENT SHOPPING CART USING RFID AND ZIGBEE MODULES |
| TE023 | KNOWLEDGE BASED REAL TIME MONITORING SYSTEM FOR AQUACULTURE USING IOT |
| TE024 | AN INTERNET OF THINGS APPROACH FOR MOTION DETECTION USING RASPBERRY PI |
| TE025 | WIRELESS BODY AREA NETWORK DEVELOPMENT FOR REMOTE PATIENT HEALTH OBSERVING |
| TE026 | WIRELESS SENSOR NETWORK SYSTEM USING RASPBERRY PI AND ZIGBEE FOR ENVIRONMENTAL MONITORING APPLICATIONS |
| TE027 | FULL AUTOMATION IN DRIVERLESS TRAINS: A MICROCONTROLLER-BASED PROTOTYPE |
| TE028 | SMART HELMET USING GSM &GPS TECHNOLOGY FOR ACCIDENT DETECTION AND REPORTING SYSTEM |
| TE029 | A NOVEL APPROACH FOR COMMUNICATION AMONG BLIND, DEAF AND DUMB PEOPLE |
| TE030 | MISSILE DETECTION AND AUTOMATIC DESTROY SYSTEM |
| TE031 | REAL-TIME ATOMIZATION OF AGRICULTURAL ENVIRONMENT FOR SOCIAL MODERNIZATION OF INDIAN AGRICULTURAL SYSTEM USING ARM 7 |
| TE032 | DESIGNING AND MODELING OF VOICE CONTROLLED WHEEL CHAIR INCORPORATED WITH HOME AUTOMATION |
| TE033 | CHILD RESCUE SYSTEM AGAINST OPEN BORE-WELLS AT AGRICULTURAL FIELDS IN INDIA |
| TE034 | REAL TIME DATA ACQUISITION SYSTEM USING ARM AND RTOS. |
| TE035 | TEMPERATURE AND HUMIDITY CONTROL SYSTEM USING GRAPHICAL LCD AND ARM |
| TE036 | IMPLEMENTING PERIPHERALS USING 32-BIT ARM MICROCONTROLLER |
| TE037 | ARM AND RFID BASED SECURITY SYSTEM (HOME , OFFICE OR INDUSTRIAL |
| TE038 | HAND GESTURE RECOGNITION BASED ROBOT USING ACCELEROMETER SENSOR |
| TE039 | GREENCHARGE: MANAGING RENEWABLE ENERGY IN SMART BUILDINGS |

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| TE040 | SMART HOME-CONTROL AND MONITORING SYSTEM USING SMART PHONE |
| TE041 | ARM BASED SMART POWER GENERATION AND MULTI PURPOSE OPTIMIZATION |
| TE042 | INTERNET BASED HOME AUTOMATION SYSTEM USING ARM 7 |
| TE043 | ETHERNET CONTROLLER FOR HOME APPLIANCE USING INTERNET. |
| TE044 | ARM BASED REMOTE TEMPERATURE CONTROLLER WITH ETHERNET. |
| TE045 | DIGITAL RECEIPT SYSTEM (ARM+ETHERNET). |
| TE046 | CHECK POINT ACCESS CONTROL USING ARM+ETHERNET+RFID. |
| TE047 | TALKING THERMOMETER FOR VISUALLY IMPAIRED. |
| TE048 | ARM AND GLCD BASED MICRO CONTROLLER CLOCK. |

| 2018 EMBEDDED KITS BASED ON MICROCONTROLLERS / ARMS / PIC / AVR / AURDINO | |
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| TAA001 | HIGH PROTECTION VOICE IDENTIFICATION BASED BANK LOCKER SECURITY SYSTEM WITH LIVE VIDEO TRANSMISSION |
| TAA002 | WIRELESS SENSOR NETWORKS – DENSITY BASED TRAFFIC CONTROLLER |
| TAA003 | EFFICIENT POWER GENERATION BASED ON SOLAR TRACKING SYSTEM WITH PANEL CLEANING MECHANISM AND MULTI PURPOSE 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 | DEVELOPMENT OF ELECTRONIC STICK FOR BLIND WITH PANIC BUTTON ALERT. |
| TAA009 | A NOVEL OPTIMUM POINT TRACKER OF THE SOLAR CELL POWER SUPPLY SYSTEM |
| TAA010 | INTELEAGENT AGRICULTURE SYSTEM WITH WEATHER MONITORING |
| TAA011 | RFID BASED TRAIN IDENTIFICATION, DETECTION AND UNMANNED RAILWAY CROSSING SYSTEM |
| TAA012 | OUT-PATIENT TABLET TIME CARE SYSTEM WITH VOICE ANNOUNCEMENT |
| TAA013 | MICROCONTROLLER BASED BANK LOCKER SECURITY SYSTEM WITH VOICE REPORTING |
| TAA014 | DROWSINESS AND GASEOUS FUEL LEAK DETECTOR AND ALERTING SYSTEM |

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| TAA015 | AUTOMATIC VEHICLE SPEED, HORN, AND BRAKE MANAGEMENT SYSTEM (WITH ANALYZER – OPTIONAL) |
| TAA016 | DESIGN & DEVELOPMENT OF SECURITY BASED VOTING SYSTEM FOR GOVERNMENT. |
| TAA017 | GAS LEAKAGE, THIEF AND FIRE DETECTOR & AUTO DIALING CONTROLLER SYSTEM. |
| TAA018 | INDUSTRIAL PROTECTION SYSTEM USING TEMPERATURE, SMOKE SENSORS AND LIGHT DEPENDENT RESISTOR |

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| TAA019 | TOKEN NUMBER DISPLAY WITH VOICE IN SECURITY USING MICROCONTROLLER AT89C51. |
| TAA020 | BLACK BOX FOR VEHICALS/CAR – INTELLEGTENT VEHICLE MONITORING SYSTEM. |
| TAA021 | REMOTE CONTROLLED JACK FOR CARS. |
| TAA022 | PASSENGER PRE-PAID METRO CARD SYSTEM. |
| TAA023 | DESIGN AND IMPLEMENTATION OF AN ADVANCED SECURITY SYSTEM -INVISIBLE EYE |
| TAA024 | AIRCRAFT BLACKBOX WITH AUTO INFORMATION TO THE BASE STATION |
| TAA025 | ADVANCED RTO SURVAILLANCE SYSTEM |
| TAA026 | KROTO FINDER |
| TAA027 | WIRELESS COMMUNICATION BASED DIGITAL NOTICE BOARD USING GRAPHICAL LCD |

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| TAA028 | DEVELOPMENT OF WIRELESS SENSOR NETWAORK FOR HEALTH MONITORINGSYSTEM |
| TAA029 | CABLE TESTER FOR INDUSTRIES USING AVR |
| TAA030 | MEDIBLACK BOX |
| TAA031 | INDUSTRIAL AUTOMATION AND MONITORING SYSTEM (TEMPERATURE< VIBRATION< PRESSURE etc.) |
| TAA032 | AUTOMATED AMBULANCE GATES AT AMBULANCE AND TRAFFIC SIGNALS. |
| TAA033 | MICROCONTROLLER BASED HOME OR INDUSTRIAL AUTOMATION. |
| TAA034 | PAITENT MONITORING SYSTEM |
| TAA035 | AN INTEGRATED NETWORK OF ROADSIDE SENSORS AND VEHICLES FOR DRIVING SAFETY: CONCEPT, DESIGN AND EXPERIMENTS |
| TAA036 | DENSITY BASED TRAFFIC LIGHT CONTROLLER |

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| TAA037 | AUTOMATIC STREET LIGHT CONTROLLER WITH RTC |
| TAA038 | MICROCONTROLLER BASED SECURITY DOOR CONTROL SYSTEM FOR ATM WITH VOICE ANNOUNCEMENT |
| TAA039 | SMART PARKING SYSTEM |
| TAA040 | RESEARCH OF TRAFFIC SIGNAL LIGHT INTELLIGENT CONTROL SYSTEM BASED ON MICROCONTROLLER |
| TAA041 | INTELLIGENT HIGHWAY POLICE PATROLLING SYSTEM WITH SPEED SENSORS AND CAMERA FOR THE VEHICLES WHICH VIOLATES SPEED LIMITS. |
| TAA042 | ALIVE HUMAN BEING DETECTOR IN WAR FIELDS, AFFECTED AREAS USING WAP WITH MODEL AND CAMERA-PIR (PASSIVE INFRARED SENSORS) FOR RESCUE OPERATIONS WITH COMMUNICATION |
| TAA043 | UTILIZATION OF SOLAR ENERGY WITH TRACKING THE SUN USING STEPPER MOTOR AUTOMATICALLY |
| TAA044 | DESIGN & DEVELOPMENT OF SECURITY BASED VOTING SYSTEM FOR GOVERNMENT. |
| TAA045 | ROOM LIGHT AND FAN CONTROLLER WITH VISITOR'S COUNTER. |
| TAA046 | MICROCONTROLLER BASED AERONAUTICAL CRASH PREVENTION SYSTEM THROUGH RF COMMUNICATION |
| TAA047 | AUTOMATIC PLANT WATERING AND TANK LEVEL ALERTING SYSTEM. |
| TAA048 | AIRPORT AUTOMATION. |
| TAA049 | ALCOHOLIC ANALYZER AND TILT DETECTOR FOR VECHICLE SECURED IGNITION. |
| TAA050 | BELT CONVOYER WITH PICK AND PLACE AND DIGITAL. |
| TAA051 | COLD BLODD BANK STORAGE MANAGEMENT SYSTEM |
| TAA052 | DESIGNING A COMPLETE VECHICLE IMMOBILIZATION SYSTEM INTEGRATED WITH A PERSONALIZED ALERT MECHANISM. |

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| | 2018 IEEE TRANCTIONS ON ROBOTICS |
| TT001 | DESIGN AND IMPLEMENTATION OF PICK AND PLACE ROBOT USING VOICE & GESTURE RECOGNITION |
| TT002 | ROBOTIC SPEED BUMPS IN SWEDEN MAY BE THE ANSWER TO RECKLESS DRIVING |

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| TT003 | DEVELOPMENT OF DATA ACQUISITION ROBOT FOR TOXIC ENVIROMENTAL MONITORING USING WSN – KROTO FINDER |
| TT004 | FABRICATION OF AUTOMATIC WASTE SEPERATION MODEL |
| TT005 | A ROBOT THAT APPROACHES PEDESTRIANS |
| TT006 | LIVE HUMAN DETECTING ROBOT FOR EARTHQUAKE RESCUE OPERATION USING GSM AND GPS. |
| TT007 | SMART PHONE OPERATED MULTIPURPOSE AGRICULTURAL ROBOTIC VEHICLE – AGRIBOT |
| TT008 | LOWER LIMB POWERED EXOSKELETON FOR PARAPLEGIC PEOPLE ASSISTING IN THEIR WALKING AUGMENTATION USING FLEX SENSOR AND ACCELEROMETER |
| TT009 | DEVELOPMENT OF HAPTIC ROBOTIC ARM USING FLEX SENSOR AND ACCELEROMETER |
| TT010 | PC CONTROLELD UNMANNED FIGHTER |
| TT011 | WHITE BOARD CLEANING ROBOT |
| TT012 | QUAD HELICOPTER |
| TT013 | LIINE FOLLOWING ROBOT WITH FORK LIFT |
| TT014 | WALL PAINTING ROBOT |
| TT015 | INTELLEAGENT COMBACT ROBOT FOR MILITARY OPERATIONS |
| TT016 | OBJECT AVOIDING ROBOT USING ULTRASONIC SENSOR |
| TT017 | AUTOMATIC VOICE PRONOUNCEMENT BASED ROBOT FIRE PSYCHOANALYTIC SYSTEM |
| TT018 | CELL PHONE OPERATED LAND ROVER |
| TT019 | LIGHT/LINE AND DTMF SIGNAL FOLLOWING INTELLEAGENT ROBOT |
| TT020 | AUTO GUIDED VEHICAL WITH MATERIAL HANDLING AND OBSTACLE DETECTION |
| TT021 | CONTROLLING ROBOTIC ARM WITH ETHERNET |
| TT022 | STAIRCASE CLIMBING ROBOT |
| TT023 | WALK AND TALK ROBOT |
| TT024 | ROPE CLIMBING ROBO WITH SURVAILLANCE CAPABILITY |
| TT025 | LAND MINE DETECTING ROBOTIC VEHICLE |
| TT026 | OBSTACLE AVOIDANCE ROBOTIC VEHICLE |
| TT027 | EMBEDDED INTELLIGENT CAPABILITY OF A MODULAR ROBOTIC SYSTEM |

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| TT028 | FIRE EXTINGUISHING OR FIRE FIGHTING ROBOTIC VEHICLE WITH RF TECHNOLOGY |
| TT029 | MULTIPLE INTERFACE SECURITY ROBOT |
| TT030 | PIPE INSPECTION ROBOT |
| TT031 | AUTOMATIC VOICE ANNOUNCEMENT BASED ROBOT FIRE ANALYSIS SYSTEM |
| TT032 | WHEEL CHAIR FOR DISABLED PERSON USING ROBOT |
| TT033 | IVRS SYSTEM BASED MOBILE CONTROLLING ROBOT |
| TT034 | SPY ROBOT WITH BOMB DETECTION AND IMAGE MONITORING |
| TT035 | INDUSTRIAL HAZARDOUS GAS LEAKAGE DETECTION AND INFORMATION SYSTEM USING INTELLIGENT ROBOT |
| TT036 | 3 - AXIS CONTROLLED ROBOT |
| TT037 | IMAGE / VIDEO CAPTURING AND PC TELECASTING ROBOT |
| TT038 | SOLAR OPERATED ROBOT |
| TT039 | DESIGN AND DEVELOPMENT OF OBSTACLE SENSING AND OBJECT GUIDING ROBOT |
| TT040 | ROBOTIC ARM CONTROL THROUGH INTERNET OR LAN FOR PATIENT SURGERY |
| TT041 | INTELLIGENT LINE FOLLOWER ROBOT FOR INDUSTRIAL PURPOSE |
| TT042 | ROBOTIC PICK AND PLACE WITH DIGITAL COUNTER |
| TT043 | BLUE TOOTH CONTROLLED ROBOT |
| TT044 | ROBOTIC ARM CONTROL THROUGH INTERNET/LAN FOR PATIENT OPERATION WITH ONE OPERATING TOOL. |

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| | 2018 IEEE TRANSCATIONS ON IOT – INTERNET OF THINGS / WIFI / LIFI BASED PROJECT TITLES |
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| TIW001 | SAFETY SYSTEM FOR ELDERLY WANDERING PERSON |
| TIW002 | AN INTERNET OF THINGS APPROACH FOR MOTION DETECTION USING RASPBERRY PI |
| TIW003 | A LOW COST WEB BASED REMOTE MONITORING SYSTEM WITH BUILT-IN SECURITY FEATURE FOR VULNERABLE ENVIRONMENTS |
| TIW004 | A RECONFIGURABLE SMART SENSOR INTERFACE FOR INDUSTRIAL WSN AND HUMAN HEALTH MONITORING IN IOT ENVIRONMENT |
| TIW005 | A RECONFIGURABLE SMART SENSOR INTERFACE FOR INDUSTRIAL WSN AND HUMAN |
| TIW006 | DESIGN OF A WSN PLATFORM FOR LONG-TERM ENVIRONMENTAL MONITORING FOR IOT APPLICATIONS |
| TIW007 | WIRELESS SYSTEM FOR MONITORING AND REAL-TIME CLASSIFICATION OF FUNCTIONAL ACTIVITY |
| TIW008 | IOT BASED ANTI-POACHING ALARM SYSTEM FOR TREES IN FOREST USING WIRELESS SENSOR NETWORK |
| TIW009 | DESIGN OF AN INTELLIGENT MANAGEMENT SYSTEM FOR AGRICULTURAL GREENHOUSES BASED ON THE INTERNET OF THINGS |
| TIW010 | EVALUATION OF TYPICAL SPECTRAL INDICES FOR DROUGHT SURVEILLANCE SYSTEM FOR DROUGHT HIT AREAS |
| TIW011 | ADAPTIVE MODELLING DETECTION SYSTEM USING IOT BEHAVIOR BASED ANOMALY DETECTION INTRUSION |
| TIW012 | A DESIGN OF THE IOT GATEWAY FOR AGRICULTURAL GREENHOUSE |
| TIW013 | A DESIGN OF THE IOT GATEWAY FOR DENSE LANDSET FOREST SURVEIL SYSTEM USING WIRELESS SENSOR NETWORKS |
| TIW014 | A METHOD OF WSN TO MONITOR COLD CHAIN LOGISTICS AS PART OF THE IOT TECHNOLOGY |
| TIW015 | IOT BASED SMART GARBAGE AND WASTE COLLECTION BIN |
| TIW016 | STREMS: A SMART REAL - TIME SOLUTION TOWARD ENHANCING EMS PREHOSPITAL QUALITY |

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| TIW017 | DESIGN AND IMPLEMENTATION OF A CHILDREN SAFETY SYSTEM BASED ON IOT TECHNOLOGIES |
| TIW018 | SMART CITIES FOR FUTURE: DESIGN OF DATA ACQUISITION METHOD BASED ON IOT |

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| TIW019 | DEVELOPING INTELLIGENT SOFTWARE INTERFACE FOR WIRELESS MONITORING OF VEHICLE SPEED AND MANAGEMENT OF ASSOCIATED DATA |
| TIW020 | RECONFIGURABLE SMART WATER QUALITY MONITORING SYSTEM IN IOT ENVIRONMENT |
| TIW021 | AUTOMATIC DETECTION AND NOTIFICATION OF POTHOLES AND HUMPS ON ROADS TO AID DRIVERS |
| TIW022 | LIFI COMMUNICATION OF TEXT, AUDIO AND IMAGE |
| TIW023 | WIFI BASED INDUSTRIAL MONITORING AND CONTROLLING SYSTEM |
| TIW024 | LIFI BASED PAITENT MONITORING SYSTEM |
| TIW025 | A NON-INVASIVE REMOTE HEALTH MONITORING SYSTEM USING VISIBLE LIGHT COMMUNICATION |
| TIW026 | WIFI FOR VEHICULAR COMMUNICATION SYSTEMS |
| TIW027 | WIFI BASED HOME AUTOMATION |
| TIW028 | WIFI BASED INDUSTRIAL AUTOMATION |
| TIW029 | WIFI BASED PAITENT MONITORING SYSTEM |
| TIW030 | WIFI BASED GREEN HOUSE MONITORING AND CONTROLLING SYSTEM |
| TIW031 | WIFI BASED INDUSTRIAL MONITORING AND CONTROLLING SYSTEM |
| TIW032 | LIFI BASED PAITENT MONITORING SYSTEM |
| TIW033 | LIFI BASED GREEN HOUSE MONITORING SYSTEM |
| TIW034 | LIFI BASED INDUSTRIAL MONITORING SYSTEM |
| TIW035 | WIFI OPERATED MOBILE ROBOT FOR MULTIPURPOSE UTILIZATION |

2018 IEEE TRANSACTIONS ON GSM BASED PROJECT TITLES

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| TTG001 | GSM BASED HEALTH CARE SYSTEM WITH HEART BEAT, GLUCOSE, TEMPERATURE MONITORING. |
| TTG002 | GSM BASED SECURITY SYSTEM WITH GAS LEAKAGE IDENTIFICATION AND THEFT CONTROLLING |
| TTG003 | GREEN HOUSE MONITORING SYSTEM. |
| TTG004 | GSM BASED WIRELESS NOTICE BOARD |
| TTG005 | MEDIBLACK BOX. |
| TTG006 | SMS BASED DEVICE CONTROL USING GSM MODEM (LIGHT, FAN,MOTOR etc...) |
| TTG007 | GAPS VEHICLE THEFT IDENTIFICATION AND TRACKING AND CONTROL SYSTEM |
| TTG008 | GSM BASED WIRELESS HOME APPLIANCES MONITORING & CONTROL SYSTEM (LIGHT, FAN, MOTOR ETC |
| TTG009 | HIGHWAY VEHICLE TRAFFIC MONITOR USING GSM |
| TTG010 | HOME SECURITY SYSTEM WITH AUTO DIALING (MISSED CALL OR SMS ALERT USING GSM MODEM) |
| TTG011 | AUTOMATED GSM BASED ELECTRICITY BILLING AND CUT OFF SYSTEM. |
| TTG012 | DATA TRANSFER FOR ADVERTISEMENT DISPLAY OR NOTICE BOARD USING GSM. |
| TTG013 | MULTI PURPOSE SECURITY SYSTEM USING GSM |
| TTG014 | INTELLIGENT RF SECURITY SYSTEM FOR BANKS WITH GSM MODEM & SENSORS. |
| TTG015 | REMOTE BILLING OF ENERGY METER OR WATER METER USING GSM MODEM |
| TTG016 | TRACKING GOT-STAMP PAPER AND AUTOMATION USING GSM MODEM |
| TTG017 | REAL ECG MACHINE FOR DOCTORS WITH DATA TRANSMISSION THROUGH GSM MODEM |
| TTG018 | DATA ACQUISITION SYSTEM WITH GSM MODEM. |
| TTG019 | SMS BASED WEATHER REPORTING. |
| TTG020 | GSM BASED BORDER SECURITY SYSTEM |
| TTG021 | GSM BASED COMPLETE IRRIGATION SOLUTION. |
| TTG022 | RAILWAY SECURITY MANAGEMENT SYSTEM (BRIDGE VIBRATION DETECTION) BASED ON GSM. |
| TTG023 | INDUSTRIAL MONITOR THROUGH GSM NETWORKS |

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| 2018 WIRELESS BASED PROJECT TITLES | |
|------------------------------------|--|
| TWB001 | WIRELESS COMMUNICATION FOR FIRE DETECTION SYSTEMS IN COMMERCIAL AREAS INDUSTRIAL AND HOME |
| TWB002 | INVOLUNTARY STATION NAME DISPLAY WITH VOICE ATTENTIVE SYSTEM FOR TRAIN |
| TWB003 | WIRELESS ELECTRONIC VOTING MACHINE |
| TWB004 | ADVANCED AUTOIMATIC INTELLIGENT TRAIN ENGINE SYSTEM |
| TWB005 | INDUSTRIAL SECURED TIDY SMOKE DETECTION AND ALARM SYSTEM THROUGH WIRELESS |
| TWB006 | WIRELESS TSUNAMI WARNING ALARM FOR PEOPLE SECURITY |
| TWB007 | VEHICLE ACCIDENT PREVENTION USING EYE BLINK SENSOR USING WIRELESS COMMUNICATION |
| TWB008 | AUTOMATIC VEHICLE OVER SPEED CONTROLLING SYSTEM FOR SCHOOL ZONE AND HORN CONTROLLER FOR HOSPITAL ZONE. |
| TWB009 | AUTOMATED RAILWAY GATE LEVEL CROSSING SCRUTINIZE AND CONTROL SYSTEM |
| TWB010 | WIRELESS BUS STOP INFORMATION PROVIDER SYSTEM FOR PASSENGERS AND STATION ANNOUNCEMENTS. |
| TWB011 | FACILITATE TRAFFIC SIGNAL IDENTIFICATION FOR BLIND PEOPLE |

| 2018 SMART CARD / RFID BASED PROJECT TITLES | |
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| TSR001 | RFID BASED TRAIN IDENTIFICATION AND RAILWAY CROSSING SYSTEM |
| TSR002 | AUTOMATIC ACCIDENT IDENTIFICATION, DETECTION VIA VIBRATION SENSORS USING RF TECHNOLOGY |
| TSR003 | RFID BASED FILE TRACING SYSTEM FOR BIG GOVERNMENT ORGANIZATIONS. |
| TSR004 | RFID BASED ATTENDANCE CARD SYSTEM |
| TSR005 | LUGGAGE TRACKING SYSTEM USING RFID |
| TSR006 | AUTOMATED AND UNMANNED VEHICLE TOLL COLLECTION / PARKING SYSTEM USING RFID TECHNOLOGY |
| TSR007 | RFID BASED HUMAN / VEHICLE DETECTION AND MONITORING SYSTEM |
| TSR008 | RFID BASED VEHICLE IDENTIFICATION AND SPEED MEASUREMENT |

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| TSR009 | PC BASED DOOR ACCESS AND ATTENDANCE LOGGER USING RFID |
| TSR010 | ROUTING, GUIDING, OBSTACLE DETECTING AND CONTROLLING OF VEHICLE USING ACTIVE RFID TECHNOLOGY |
| TSR011 | RFID BASED EMPLOYEE DATABASE MANAGEMENT USING RTC |
| TSR012 | RFID BASED BLIND MAN STICK |
| TSR013 | RFID BASED EVENT TRACKING SYSTEM FOR SPORTS |
| TSR014 | STUDENT ATTENDANCE SYSTEM USING RFID TECHNOLOGY & VB.NET |
| TSR015 | PREPAID ENERGY METER USING RFID. |
| TSR016 | PREPAID CARD FOR BROWSING CENTER USING RFID. |
| TSR017 | PREPAID CARD FOR PETROL BUNK. |
| TSR018 | AUTOMATIC CAR PARKING SYSTEM. |
| TSR019 | DOOR OPENING AND CLOSING SYSTEM WITH SECURITY USING RFID. |
| TSR020 | VOTER CREDENTIALS AND AUTHENTICATION SYSTEM USING RFID TECHNOLOGY |
| TSR021 | THEFT IDENTIFICATION SYSTEM FOR SUPERMARKETS USING RFID |
| TSR022 | METRO TRAIN (TICKET ANALYZER) |

| 2018 BIO METRICS BASED PROJECT TITLES | |
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| TBB001 | FINGER PRINT PREDICTION ENABLED PASSPORT AUTHENTICATION SYSTEM |
| TBB002 | INVOLUNTARY,BIOMETRIC DOOR ACCESS CONTROL AND ATTENDANCE MAINTENANCE SYSTEM |
| TBB003 | HIGH PROTECTION SECURITY SYSTEM WITH BIOMETRIC AND VIDEO TRANSMISSION |
| TBB004 | BIO METRIC RECOGNITION SYSTEM BASED DIGITAL VOTING MACHINE |
| TBB005 | ELECTRONIC LIBRARY MANAGEMENT SYSTEM USING FINGER PRINT SENSOR |
| TBB006 | PATIENT MEDICAL INFORMATION SYSTEM USING FINGER PRINT |
| TBB007 | FINGER PRINT PREDICTION ENABLED PASSPORT AUTHENTICATION SYSTEM |
| TBB008 | INVOLUNTARY,BIOMETRIC DOOR ACCESS CONTROL AND ATTENDANCE MAINTENANCE SYSTEM |
| TBB009 | IVRS BASED AUTOMATIC TELLER MACHINE TRANSACTION SYSTEM WITH THE HELP OF RFID TECHNOLOGY FOR BLIND PEOPLE WITH BIOMETRIC AUTHENTICATION |

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| TBB010 | HIGH PROTECTION ATM SYSTEM WITH FINGER PRINT IDENTIFICATION TECHNOLOGY WITH IMAGE RECORD AND GSM |
| TBB011 | MEMS BASED PC COMMANDS USING HAND SIGNALS |
| TBB012 | REALTIME IMPLWMTATION OF BIOPAD FINGER PRINT ATTENDANCE MONITOR. |

PROJECTS BASED ON MEDICAL ELECTRONICS / BIO MEDICAL

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| TMB001 | FABRICATION OF BIOMETRIC AUTOMATED PILL DISPENSER |
| TMB002 | A WIRELESS ELECTROCARDIOGRAM DETECTION FOR PERSONAL HEALTH MONITORING |
| TMB003 | THE DEVELOPMENT OF A BLOOD LEAKAGE MONITORING SYSTEM FOR THE APPLICATIONS IN HEMODIALYSIS THERAPY |
| TMB004 | MICROCONTROLLER BASED BABY INCUBATOR USING SENSORS |
| TMB005 | SMART INSOLE: A WEARABLE SYSTEM FOR GAIT ANALYSIS |
| TMB006 | VIRTUAL SPIROMETRY FOR RESPIRATORY FUNCTION TESTING FOR PATIENT |
| TMB007 | A NON-INVASIVE REMOTE HEALTH MONITORING SYSTEM USING VISIBLE LIGHT COMMUNICATION |
| TMB008 | SYSTOLIC BLOOD PRESSURE ESTIMATION USING ANDROID SMART PHONE |
| TMB009 | COMPLETE BLOOD CHECK USING IMAGE PROCESSING |

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PROJECTS BASED ON ELECTRICALS AND ELECTRONICS (EEE)

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| TEE001 | TRANSMISSION LINE MULTIPLE FAULTS DETECTION AND INDICATION TO ELECTRICITY BOARD |
| TEE002 | DATA ACQUISITION AND MONITORING OF SOLAR PANELS USING 2 –CHANNEL DATA LOGGER AND .NET APPLICATION |
| TEE003 | A BUCK-BOOST INTEGRATED FULL BRIDGE INVERTER FOR SOLAR PHOTOVOLTAIC BASED STANDALONE SYSTEM |
| TEE004 | A NOVEL METHOD TO EXTRACT MAXIMUM POWER FROM SOLAR PANEL OF A GRID CONNECTED PHOTOTVOLTAIC SYSTEM USING PHASE ANGLE CONTROL AND HYSTERESIS CURRENT CONTROL |
| TEE005 | HIGH-EFFICIENCY DC-DC CONVERTER FOR LARGE INPUT-VOLTAGE FLUCTUATIONS IN SOLAR APPLICATIONS |
| TEE006 | IMPLEMENTATION OF A WEB OF THINGS BASED SMART GRID TO REMOTELY MONITOR AND CONTROL RENEWABLE ENERGY SOURCES |
| TEE007 | ENERBEE - EXAMPLE OF AN ADVANCED METERING INFRASTRUCTURE BASED ON ZIGBEE |
| TEE008 | REAL-TIME DETECTION SYSTEM OF ELECTRICAL DISTURBANCES FOR REMOTE COMMUNICATION STATIONS AND SMART GRID |
| TEE009 | POWER FACTOR METERING SYSTEM USING ARDUINO |
| TEE010 | WIRELESS RESIDENTIAL POWER MONITORING SYSTEM |
| TEE011 | USING ARDUINO DEVELOPMENT PLATFORM IN THE DIAGNOSIS OF AC ELECTRICAL MACHINES |
| TEE012 | BATTERY MANAGEMENT SYSTEM USING ARDUINO |
| TEE013 | ASYMMETRICAL TWO-PHASE INDUCTION MOTOR SPEED CONTROLLED BY MULTILEVEL INVERTER EMPLOYING CASCADED TRANSFORMERS |
| TEE014 | DESIGN AND IMPLEMENTATION OF REAL TIME TRANSFORMER HEALTH MONITORING SYSTEM USING GSM TECHNOLOGY |
| TEE015 | DEVELOPMENT OF EFFICIENT POWER GENERATION USING AUTOMATED RENEWABLE SOURCES AND AUTOMATING STREET LIGHTS ACCORDING TO TRAFFIC DENSITY |
| TEE016 | DESIGN AND IMPLEMENTATION OF AN ADVANCED SECURITY SYSTEM - INVISIBLE EYE (POWER SAVING SYSTEM) |
| TEE017 | ANDROID BASED DEVICE CONTROL – HOME OR OFFICE AUTOMATION |

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| TEE018 | FOOT STEP BASED POWER GENERATION AND MULTI PURPOSE OPTIMIZATION |
| TEE019 | UNIVERSAL ELECTRICAL POWER GENERATION AND MULTIPURPOSE OPTIMIZATION – SOLAR, WIND AND RAIN |
| TEE020 | SOLAR TRACKING SYSTEM WITH AUTOMATIC PANEL CLEANING MECHANISM FOR EFFICIENT POWER GENERATION |
| TEE021 | ELECTRICAL SUBSTATION SCRUTINIZEING AND CONTROLLING DEVICE FROM REMOTE AREA |
| TEE022 | WIRELESS POWER TRANSMISSION |
| TEE023 | ANDROID MEETS LED BULBS IN SMART-HOME AUTOMATION. |
| TEE024 | TRANSFORMER INUSTRIAL PARAMETERS MANAGEMENT CONTROL SYSTEM AND |
| TEE025 | INTIMATION TO ELECTRICITY BOARD |
| TEE026 | REALIZATION OF PREPAID BILL MANAGEMENT SYSTEM FOR ELECTRICITY BOARD |
| TEE027 | VOICE OPERATED INDUCTION MOTOR SPEED CONTROL THROUGH RF COMMUNICATION |
| TEE028 | ONLINE SPEED CONTROL OF DC MOTOR WITH HIGH SPEED NETWORK |
| TEE029 | TALKING ENERGY METER |
| TEE030 | MICRO CONTROLLER BASED INTELLIGENT MULTI TIMER SYSTEM FOR INDUSTRIAL AUTOMATION. |
| TEE031 | ENERGY SCRUTINING SYSTEM WITH AUTO LOAD |
| TEE032 | SMART CARD BASED PREPAID ELECTRICITY BILLING |

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| TEE033 | AUTO DIGITAL-SPEED INDICATOR WITH SPEED CONTROL |
| TEE034 | DC MOTOR SPEED CONTROLLING USING BLUETOOTH |
| TEE035 | AUTOMATIC DC MOTOR SPEED CONTROL WITH AUTOMATIC FEEDBACK VIA SMS USING PWM TECHNOLOGY |
| TEE036 | GSM AND PIR SENSOR BASED LIGHT CONTROLLER AND NETWORKED SAFETY SYSTEM. |
| TEE037 | ELECTRIC FIELD AND ULTRASONIC SENSOR BASED SECURITY SYSTEM |
| TEE038 | MOBILE CONTROLLED DC MOTOR SPEED CONTROLLER. |
| TEE039 | PRE PAID POWER ENERGY METER. |
| TEE040 | REAL TIME LOAD SHEDDING FOR POWER LINES. |
| TEE041 | A NOVEL OPTIMUM POINT TRACKER OF THE SOLAR CELL POWER SYPPLY SYSTEM. |

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VLSI BASED PROJECT TITLES

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| TV001 | VLSI-FPGA IMPLEMENTATION OF PIPELINED FAST FOURIER TRANSFORM (FFT) ALGORITHM |
| TV002 | VLSI-FPGA IMPLEMENTATION OF AES ALGORITHM |
| TV003 | RELIABLE LOW-LATENCY VITERBI ALGORITHM ARCHITECTURES 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 |
| 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 VITERBI DECODER |

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MATLAB BASED PROJECT TITLES

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

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| TM017 | FAST AND ADAPTIVE DETECTION OF PULMONARY NODULES IN THORACIC CT IMAGES USING HIERARCHICAL VECTOR QUANTIZATION |
| TM018 | CLOTHING COLOR & 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 |
| MATLAB PROJECTS WITH EMBEDDED BASED HARDWARE | |
| TME001 | LIFI COMMUNICATION OF TEXT, AUDIO AND IMAGE |
| TME002 | AN INTEGRATED VISION-BASED ARCHITECTURE FOR HOME SECURITY SYSTEM |
| TME003 | AUTOMATIC VEHICLE IDENTIFICATION BYNUMBER PLATE RECOGNITION. |
| TME004 | DIGITAL SWITCHING CONTROLLER FOR DC-DC CONVERTERS |
| TME005 | A VIRTUAL TOUCH EVENT METHOD USING COLOUR RECOGNITION |
| TME006 | VISUAL INSPECTION AND CRACK DETECTION OF RAILROAD TRACKS |
| TME007 | MATLAB AND EMBEDDED BASED SYSTEM FOR FACE RECOGNITION SYSTEM |
| TME008 | AUDIO/SOUND COMMAND BASED APPLICATION CONTROL (HOME AUTOMATION BASED ON VOICE)" |
| TME009 | AUDIO/SOUND COMMAND BASED APPLICATION CONTROL (HOME AUTOMATION BASED ON VOICE)" |

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ANDROID BASED PROJECT TITLES

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| 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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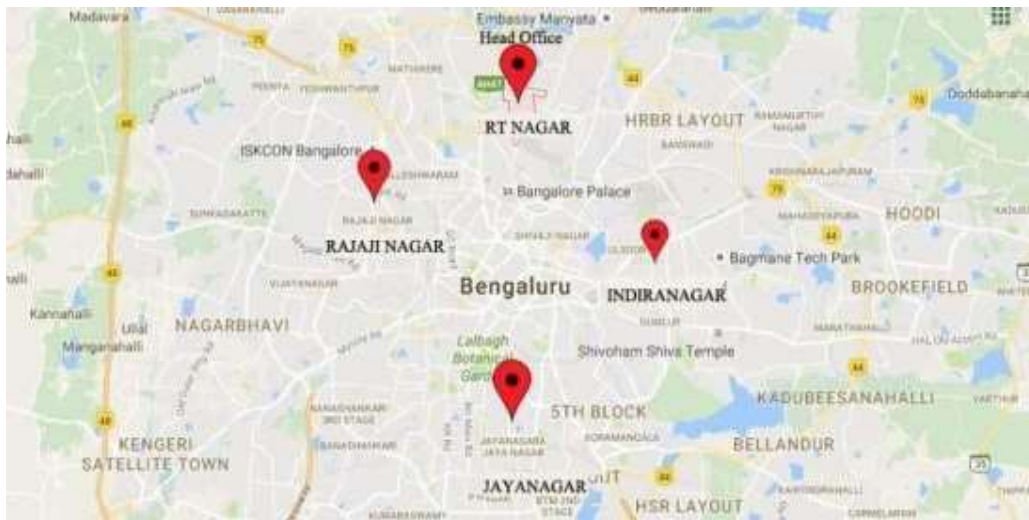
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