

# TECHNOLOGY LEARNING CENTER

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## ARM-7 PROJECT LIST

### PROJECT TITLES

- 1 Hardware Implementation Of Gprs Enabled Embedded Server For Remote Access Terminal
- 2 Gprs Terminals For Reading Fiscal Registers
- 3 Wi-Fi For Vehicular Communication Systems
- 4 Personal Health Monitoring With Android Based Mobile Devices
- 5 Intelligent E-Restaurant Using Android Os
- 6 Arm Hardware Platform For Vehicular Monitoring And Tracking
- 7 Integration Of A Pletysmographic Sensor For Pulse Measurements In Zigbee Medical Network
- 8 Towards The Implementation Of Iot For Environmental Condition Monitoring In Homes
- 9 Accessible Display Design To Control Home Area Networks
- 10 Application Of Temperature Compensated Ultrasonic Ranging For Blind Person And Verification Using Matlab
- 11 Design Of A Wsn Platform For Long-Term Environmental Monitoring For Iot Applications
- 12 Online Monitoring Of Geological Co2 Storage And Leakage Based On Wireless Sensor Networks
- 13 Remote Control System Of High Efficiency And Intelligent Street Lighting Using A Zigbee Network Of Devices And Sensors
- 14 Sensing Devices And Sensor Signal Processing For Remote Monitoring Of Vital Signs In Chf Patients



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- 15 Child Activity Recognition Based On Cooperative Fusion Model Of A Triaxial Accelerometer And A Barometric Pressure Sensor
- 16 A Wireless Electrocardiogram Detection For Personal Health Monitoring
- 17 Automated Control System For Air Pollution Detection In Vehicles
- 18 Use Of Ultrasonic Signal Coding And Pir Sensors To Enhance The Sensing Reliability Of An Embedded Surveillance System
- 19 Arm7 Based Smart Car Security System
- 20 Implementation Of Automatic Gas Monitoring In A Domestic Energy Management System
- 21 Building A Smart Home System With Wsn And Service Robot
- 22 Hardware Demonstration Of A Home Energy Management System For Demand Response Applications
- 23 Building Lighting Automation Through The Integration Of Dali With Wireless Sensor Networks
- 24 Location-Aware And Safer Cards: Enhancing Rfid Security And Privacy Via Location Sensing
- 25 The New Approach To Rfid Assisted Navigation Systems For Vanets
- 26 Wireless System For Monitoring And Real-Time Classification Of Functional Activity
- 27 Intelligent Household Led Lighting System Considering Energy Efficiency And User Satisfaction
- 28 Development Of Microcontroller Based Ambulatory Instrument To Detect Drowsiness



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- 29 An Interactive Rfid – Based Bracelet For Airport Luggage Tracking
- 30 A Novel Approach To Implement Green Wave Systemk And Detection Of Stolen Vehicles
- 31 Passenger Bus Alert System For Easy Navigation Of Blind
- 32 Smart Host Microcontroller For Optimal Battery Charging In A Solar-Powered Robotic Vehicle
- 33 Automated Irrigation System Using A Wireless Sensor Network And Gprs Module
- 34 Gesture Recognition System For Wheelchair Control Using A Depth Sensor
- 35 Agricultural Ecosystem Monitoring Based On Autonomous Sensor
- 36 Development Of A Residential Appliance Control Interface (Aci) Module Using Smart Systems
- 37 An Embedded Systems Laboratory To Support Rapid Prototyping Of Robotics And The Internet Of Things
- 38 Wavelet Based Ecg Steganography For Protecting Patient Confidential Information In Point-Of-Care Systems
- 39 Smart Floor: Indoor Navigation Based On Rfid
- 40 Advanced Metering And Demand Response Communication Performance In Zigbee Based Hans
- 41 Lobot: Low-Cost, Self-Contained Localization Of Small-Sized Ground Robotic Vehicles
- 42 A Survey Of Wireless Communications And Propagation Modeling In Underground Mines
- 43 Visual Analysis Of Eye State And Head Pose For Driver Alertness Monitoring



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- 44 A Low Cost Web Based Remote Monitoring System With Built-In Security Feature For Vulnerable Environments
- 45 A Tactical Information Management System For Unmanned Vehicles Using Vehicular Adhoc Networks
- 46 A Child-Left-Behind Warning System Based On Capacitive Sensing Principle
- 47 Integration Of Face Recognition And Sound Localization For A Smart Door Phone System
- 48 Green House Monitoring And Controlling Using Android Mobile Applications
- 49 Implementation Of Children Tracking System On Android Mobile Terminals
- 50 Ethernet Enabled Digital I/O Control In Embedded Systems
- 51 A Reliable Transmission Protocol For Zigbee-Based Wireless Patient Monitoring
- 52 The Application Of Wireless Sensor Network Technology In Earthquake Disaster
- 53 Design Of Remote Intelligent Home System On Zigbee And Gprs
- 54 Digitally Greenhouse Monitoring And Controlling Of System
- 55 Embedded Patient Monitoring System
- 56 Wearable Wireless Sensor Network For Human Limbs Motion
- 57 Design Of Monitoring And Management System Of Tourist Attractions Based On Rfid Technology
- 58 Implementation Of Logistics Management System Based On Wireless Technologies



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- 59 A Wireless Surveillance And Safety System For Mine Workers Based On Zigbee
- 60 Microcontroller Based Anti-Theft Security System Using Gsm  
Networks With Text Message As Feedback
- 61 A Secured Authentication System Using Fingerprint And Iris
- 62 A Low-Cost Hand Gesture Human-Computer Interaction System
- 63 Ultrasonic Spectacles And Waist-Belt For Visually Impaired And Blind Person
- 64 An Indoor Navigation Approach To Aid The Physically Disabled  
People
- 65 Design Of Intelligent Home Appliance Control System Based On Arm And Zigbee
- 66 Developing An Intelligent E-Restaurant With A Menu Recommender For Customer-  
Centric Service
- 67 Low-Cost, High-Accuracy, State Estimation For Vehicle Collision Prevention System
- 68 Intelligent Cars Using Rfid Technology
- 69 Design Of A Gsm/Gprs-Based Mobile Patient-Care System
- 70 Recognition Technique For Atm Based On Iris Technology
- 71 Vehicle Accident Automatic Detection And Remote Alarm Device
- 72 The Application Of Stolen Radioactive Source Tracking System  
Based On Internet Of Things Technology
- 73 Gprs-Based Distributed Home-Monitoring Using Internet-Based  
Geographical Information System
- 74 The Temperature Humidity Monitoring System Of Soil Based On  
Wireless Sensor Networks



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- 75 System For Monitoring And Fall Detection Of Patients Using Mobile 3-Axis Accelerometers Sensors
- 76 Research On Alarm System Of Railway Crossing Based On Gps And Gsm/Gprs
- 77 A Scheme For The Application Of Smart Message Language In A Wireless Meter Reading System
- 78 Remote Wireless Automatic Meter Reading System Based On Gsm/Gprs
- 79 Rfid And Zigbee Based Manufacturing Monitoring System
- 80 The Remote Control Of Mobile Robot Based On Embedded Technology
- 81 Anti Theft Control System Design Using Embedded System
- 82 The Design And Implementation Of Intelligent Campus Security Tracking System Based On Rfid And Zigbee
- 83 Design A Kind Of Family Embedded Health Care System
- 84 Anti-Theft Tracking System For Automobiles (Auto Gsm)
- 85 Hazardous Gas Detecting Method Applied In Coal Mine Detection Robot
- 86 Design Of Vehicle Positioning System Based On Arm
- 87 Bidirectional Medication Support System For Medical Staff And Home Care Patients
- 88 Design Of Auto-Guard System Based On Rfid And Network
- 89 Secured Wireless Communication For Industrial Automation And Control



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- 90 The Design Of The Scene Of The Accident Alarm System Based On Arm And Gps
- 91 An Rfid-Based Reminder System For Smart Home
- 92 Design And Implementation Of Pyroelectric Infrared Sensor Based Security System Using Microcontroller
- 93 Design Of Monitor-And-Control System For Supermarket Fresh Area Based On Zigbee
- 94 The Research On Zigbee-Based Mine Safety Monitoring System
- 95 Digital Control For Home Lighting Systems With Zigbee Communication
- 96 Green Home Energy Management System Through Comparison Of Energy Usage Between The Same Kinds Of Home Appliances
- 97 The Design And Implementation Of Id Authentication System Based On Fingerprint Identification
- 98 Real Time Paddy Crop Field Monitoring Using Zigbee Network
- 99 Simulation Of Earthquakes And Tsunami Through Gsm Network
- 100 Gsm Based Motorcycle Security System
- 101 A Parking Guidance And Information System Based On Wireless Sensor Network
- 102 Wireless Communication Technology In Family Health Monitoring System
- 103 Development On Gas Leak Detection And Location System Based On Wireless Sensor Networks



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- 104 Development Of Mp3 Player With Gesture Control Based On Mma7260(7660) Accelerometer
- 105 Monitoring And Alarming System Based On Zigbee Technology
- 106 Design And Development Of A Hand-Glove Controlled Wheel Chair
- 107 Real Time Sms-Based Hashing Scheme For Securing Financial Transactions On Atm Systems
- 108 Developing Zigbee Deployment Guideline Under Wifi Interference For Smart Grid Applications



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