

www.svsembedded.com **SVSEMBEDDED** info@svsembedded.com,
CONTACT: +91-- 9491535690, +91--7842358459

**INNOVATIVE & APPLICATION ORIENTED PROJECTS ON
SVSEMBEDDED SYSTEMS
LATEST IEEE PROJECT TITLES (BASED ON 8051/ARM7/AVR)**

This list Includes the projects on Application oriented projects:

Smart phones	Android phones	TFT color LCD	ARM9
Touch screen	Ethernet	MEMS	Audio Codec (MP3)
Bio-Metric	Smartcard	MMC/SD	Zigbee
Bluetooth	RF-ID	CAN	USB
Voice	Nokia3310	I-Button	DTMF
GSM/GPRS	GPS	Wi-Fi	RF
Robotics	IR	PC	GLCD

IEEE 2012 PROJECTS (ARMCortex M3/ARM7LPC2148/AVR):

1. An RC helicopter autonomous control system with single web camera
2. A method of remote control for home appliance using free hand gesture
3. A Reconfigurable Snake Robot Based on CAN-Bus
4. A Reliable Transmission Protocol for ZigBee-Based Wireless Patient Monitoring
5. A Secure Application Invocation Mechanism in Mobile Phones for Near Field Communication.
6. A System for Mobile Assisted Living

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7. A Wi-Fi based Smart Wireless Sensor Network for Monitoring an Agricultural Environment
8. A wireless surveillance and safety system for mine workers based on Zigbee
9. A ZigBee Based Wearable Physiological Parameters Monitoring System
10. An Analysis, Design and Precautionary Measure for Mobile Phone Accidents While Driving and Cost-Effective Fatalities.
11. An Embedded Real-Time Finger-Vein Recognition System for Mobile Devices.
12. An Intelligent Self-Adjusting Sensor for Smart Home services based on ZigBee Communications.
13. An RFID-Based Position And Orientation Measurement System For Mobile Objects In Intelligent Environments
14. Bus Monitoring System Based on ZigBee and GPRS
15. Centralized heart rate monitoring telemetry system using ZigBee wireless sensor network
16. Design And Implementation Of A Fall Monitor System By Using A 3-Axis Accelerometer In A Smart Phone
17. Design and Implementation of High Security Mobile Payment System.

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18. Design and Realization of a Framework for Human–System Interaction in Smart Homes
19. Design issues in ZigBee-based sensor network for healthcare applications
20. Design of Distributed Greenhouse Big Awning Monitoring System Based on Field-bus
21. Design of Emergency Remote Security Monitoring and Control System Based on ARM
22. Design of integrated mine safety monitor system based on ZigBee
23. Design of the automatic acquisition system based on GPS
24. Design of Intelligent Home Appliance Control System Based on ARM and ZigBee
25. Design of Remote Automatic Meter Reading System based on ZIGBEE and GPRS
26. Design of Remote Intelligent Home System based on ZIGBEE and GPRS Technology
27. Environment sensing using Smartphone
28. Ethernet enabled digital I/O control in embedded systems
29. Evaluation of Bluetooth Hands-Free profile for sensors applications in Smartphone platforms
30. Efficient implementation of Advanced Encryption Standard (AES) for ARM based platforms

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31. Exploiting Bluetooth on Android mobile devices for home security application
32. Fall detection by built-in tri-accelerometer of Smartphone
33. GasMon: A Sensor Network System for Residential Building Gas Leak Monitoring
34. Home appliances management system using Controller Area Network
35. Home Automation using Cloud Network and Mobile Devices.
36. Intelligent energy management system for smart offices
37. Intelligent wireless street lighting system.
38. Localization Framework for Four-Rotor Flying Robots Using Low-Power Sensor Nodes.
39. Location based services combined with GPS and 3G wireless networks
40. Low-Cost. High-Accuracy, State Estimation for Vehicle Collision Prevention System
41. MEMS Accelerometer Based Nonspecific-User Hand Gesture Recognition
42. More Efficient Home Energy Management System Based on ZigBee Communication and Infrared Remote Controls
43. Realization of intelligence monitoring system based on remote sensor technology

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44. Reliability-Oriented Design of Three-Phase Power Converters for Aircraft Applications
45. Remote control and monitoring of an autonomous mobile robot.
46. Remote Energy Monitoring, Profiling and Control Through GSM Network
47. Remote management and control system for LED based plant factory using ZigBee and Internet
48. Remotely Controlled Communication and Control System for Limited Mobility Individuals
49. Research on an Improved PWM Control Mode of DC Motor
50. Research on Elevator Intelligent-Card Control System based on Can Bus
51. RFID based Ration card
52. Risk Awareness System in Railway and Environment Control
53. Robot Navigation System with RFID and Sensors
54. Robotics for environmental monitoring
55. Robust Railway Crack Detection Scheme (RRCDS) using LED-LDR Assembly
56. Safe Driving Using Mobile Phones.
57. Study and realization of Vehicle Guidance System based on GIS and GPS

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58. Secured wireless communication for industrial automation and control
59. Study on the Embedded CAN Bus Control System in the Vehicle
60. The design of ZigBee protocol based mobile node in wireless sensor network.
61. The House Intelligent Switch Control Network Based on CAN Bus
62. The remote control of mobile robot based on embedded technology
63. The Study for Application of ZigBee Location Tracing Monitoring System for ATM Device Theft.
64. Wireless Black Box Using MEMS Accelerometer and GPS Tracking for Accidental Monitoring Vehicle
65. Wireless ECG Monitoring and alarm System Using ZigBee
66. Wireless Sensor Network Based Home Monitoring System for Wellness Determination of Elderly.
67. Wireless Local Area Network Assisted GPS in Seamless Positioning
68. Wireless Underwater Mobile Robot System Based on ZigBee
69. XBEE Wireless Sensor Networks for Heart Rate Monitoring in Sport Training
70. ZigBee based energy efficient outdoor lighting control system

*****WE WILL IMPLEMENT U R OWN THOUGHTS*****

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