



EMBEDDED MAJOR PROJECTS LIST

GSM AND GPS BASED REAL TIME APPLICATIONS

1. AGRICULTURE FIELD MOTOR CONTROL SYSTEM USING GSM.
2. FIRE DETECTION AND AUTOMATIC ALERT SYSTEM .
3. WEATHER MONITORING SYSTEM IN REMOTE PLACES USING GSM.
4. GSM BASED DC MOTOR SPEED AND DIRECTION CONTROL
5. SMS BASED ELECTRICAL APPLIANCE CONTROL FOR HOME /OFFICE
6. EMBEDDED AUTOMATIC ROBOTIC VEHICLE NAVIGATION SYSTEM THROUGH SMS.
7. E-CHALLAN BILLING SYSTEM USING GSM
8. SUBSTATION MONITORING AND CONTROL SYSTEM USING GSM
9. WATER RESERVOIR MONITORING AND PUMPING SYSTEM USING GSM.
10. INDUSTRIAL DATA LOGGER USING GSM .
11. REAL-TIME INDUSTRIAL PROCESS CONTROLLING & MONITORING USING MOBILE.
12. AN ADVANCED EMBEDDED MOBILE WEB SERVER FOR AGED PEOPLE MONITORING AND PARAMETER BACK RECEPTION USING GSM TECHNOLOGIES.



13. RAILWAY ACCIDENT IDENTIFICATION AND ALERT SYSTEM.
14. PASSWORD PROTECTED GSM BASED DEVICE CONTROL .
15. SMS POLL COUNTING SYSTEM FOR TV SHOWS.
16. SCHEDULE DATA CAPTURING USING GSM.
17. VEHICLE OVER SPEED INDICATION TO TRAFFIC CONTROL ROOM THROUGH GSM.
18. DAM LEVEL WARNING USING GSM SMS.
19. BANK SAFETY & SECURITY SYSTEM WITH VOICE ALERT & CALL ALERT TO POLICE STATION THROUGH GSM
20. DESIGN AND IMPLEMENTATION OF A WIRELESS ELECTRONIC NOTICE BOARD SYSTEM USING GSM.
21. GSM INTEGRATED SMART ATM TRANSACTION SYSTEM.
22. A SMART GSM BASED EMBEDDED SOLUTION FOR CONTINUOUS REMOTE MONITORING OF CARDIAC PATIENTS.
23. HOME SECURITY USING GSM .
24. ACQUIRING ALTITUDE, LONGITUDE AND LATITUDE POSITION ON X, Y & Z AXIS FOR A SPECIMEN IN MOTION.
25. AUTOMOBILE THEFT IDENTIFICATION USING GPS.
26. GPS BASED STATION ARRIVAL ANNOUNCEMENT SYSTEM FOR BUSES/TRAINS.



WIRELESS (XBEE/BLUETOOTH/RF/Wi-Fi) APPLICATIONS

27. WIRELESS DATA TRANSMISSION USING X-BEE/ZIG-BEE
28. MULTIPLE DEVICES CONTROLLING USING X-BEE/ZIG-BEE
29. DATA LOGGER USING X- BEE/ZIG-BEE.
30. ZIGBEE BASED WIRELESS ELECTRONIC NOTICE BOARD.
31. WIRELESS DATA ENCRYPTION AND DECRYPTION FOR SECURITY IN ARMY APPLICATIONS .
32. REMOTE CONTROLLED HOME AUTOMATION USING BLUETOOTH.
33. BLUETOOTH BASED INDUSTRIAL DATA ACQUISITION SYSTEM.
34. RF BASED INDUSTRIAL AUTOMATION SYSTEM
35. WIRELESS DATA LOGGER USING RF COMMUNICATION
36. ADVANCED EMBEDDED REMOTE CONTROL ROBOT NAVIGATION SYSTEM USING RF.
37. WIRELESS DATA TRANSMISSION BETWEEN TWO MICRO-CONTROLLERS USING R.F.COMMUNICAION.
38. AN EMBEDDED SYSTEM BASED ANDROID LIBRARY
39. ANDROID PASSWORD BASED REMOTE DOOR OPENER SYSTEM
40. WI-FI ENHANCED FINGER PRINT IN SMART BUILDING



41. A MOBILE SYSTEM FOR VITAL SIGNAL'S DATA COLLECTION AND DATA PRESENTATION

IOT BASED APPLICATIONS

42. IOT BASED SCHOOL CHILDREN TRANSPORTATION SAFETY SYSTEM

43. AN INTEGRATED SYSTEM FOR REGIONAL ENVIRONMENTAL MONITORING AND MANAGEMENT BASED ON IOT.

44. A CONSUMER TRANSCEIVER FOR LONG RANGE IOT COMMUNICATIONS IN EMERGENCY ENVIRONMENTS

45. AN EMBEDDED SYSTEM BASED MONITORING SYSTEM FOR INDUSTRIES WITH IOT ENVIRONMENT

46. EFFECTIVE WAYS TO USE IOT IN THE FIELD OF MEDICAL AND SMART HEALTH CARE

47. AUTOMATED IRRIGATION SYSTEM IN AGRICULTURE USING IOT TECHNOLOGY

48. AN INTELLIGENT UNIVERSAL REMOTE MONITORING & CONTROL SYSTEM FOR HOME APPLIANCES



ROBOTICS APPLICATIONS

- 49. THERMAL ANALYSIS ROBOT
- 50. AGRICULTURE ROBOT.
- 51. THREE AXIS ROBOTIC ARM FOR INDUSTRIES.
- 52. WIRELESS ROBOT WITH SPEED CONTROL.
- 53. SOLAR BASED ROBOT.
- 54. METAL DETECTING ROBOT.
- 55. GAS DETECTION ROBOT FOR ATOMIC POWER STATION.
- 56. SMOKE SENSING ROBOT.
- 57. WAR HEAD ROBOT & FIRE FIGHTING ROBOT.

RFID APPLICATIONS

- 58. RFID BASED BANKING SYSTEM.
- 59. LIBRARY MANAGEMENT SYSTEM USING RFID
- 60. RFID BASED PARCEL TRACING SYSTEM
- 61. RFID BASED RATION CARD



62. IMPLEMENTATION OF HIGHWAY TOLL COLLECTION SYSTEM

63. RFID R/W BASED PREPAID ENERGY METER

64. SMART CARD BASED ATTENDANCE SYSTEM.

65. UNMANNED PETROL BUNK SYSTEM

66. PREPAID ENERGY METER USING SMART CARD

67. VEHICLE PARKING SYSTEM USING SMART CARD.

BIOMETRIC BASED PROJECTS

68. FINGERPRINT BASED AUTHENTICATION SYSTEM.

69. FINGERPRINT BASED ATTENDANCE RECORD SYSTEM.

70. FINGER PRINT BASED SECURITY SYSTEM

71. FINGER PRINT BASED VEHICLE SECURITY SYSTEM

72. FINGER PRINT RECOGNIZED ATM SYSTEM

COMBINATIONS AND PC BASED PROJECTS

73. GSM AND RFID BASED INTELLIGENT COURIER MAILBOX SYSTEM WITH
AUTOMATIC DELIVERY NOTIFICATION

74. VEHICLE TRACKING SYSTEM.

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- 75. ACCIDENT IDENTIFICATION USING GPS AND GSM.
- 76. GSM BASED SCHOOL CHILDREN SECURITY SYSTEM BASED ON RFID.
- 77. MODERN RESTAURANTS ATOMIZATION FOR WIRELESS MENU DISH ORDERING USING TOUCH PANEL AND ZIGBEE.
- 78. PC BASED HITECH HOME IMPLEMENTATION.
- 79. INDUSTRIAL DATA ACQUISITION SYSTEM USING PC .
- 80. PC BASED WIRELESS ROBOT CONTROL SYSTEM
- 81. PC BASED OPTIMIM POWER MANAGEMENT SYSTEM FOR HOTELS.



- 82.MEMS BASED DRIVING SIMULATION
- 83.WHEEL CHAIR DIRECTION CONTROL WITH GESTURE RECOGNITION (MEMS ACCELEROMETER).
- 84. WIRELESS MOUSE WITH MEMS ACCELEROMETER.
- 85. HEAD MOVEMENT TRACKING SYSTEM.
- 86. POWER PLANT FALSE ALARM SYSTEM THROUGH VOICE.
- 87. INDUSTRIAL PARAMETER MONITORING AND CONTROLLING.



88. TEMPERATURE MONITORING AND CONDITIONAL MAINTENANCE SYSTEM FOR SURGERIES.

89. AUTOMATIC RAILWAY GATE CONTROL SYSTEM.

90. VISITOR COUNTER WITH METAL DETECTOR ENHOUSED ENTRY, EXIT AND PRESENT COUNT.

91. HEAT PROTECTION SYSTEM WITH THERMOSTAT.

92. EMBEDDED GREEN HOUSE AUTOMATION SYSTEM.

93. EMBEDDED STREET LIGHT CONTROL SYSTEM.

94. ADVANCED EMBEDDED AUTOMATIC CAR PARKING SYSTEM.

95. DAM GATE CONTROL SYSTEM.

96. AUTOMATIC PLANT IRRIGATION SYSTEM.

97. DRIVER LESS VEHICLE NAVIGATION SYSTEM.

98. INDUSTRIAL SECURITY SYSTEM .

99. DIFFERENT COLORED OBJECTS SEGREGATION BASED ON COLOR SENSOR THROUGH ADC.

100. FIRE SENSOR BASED ALARM SYSTEM.

101. MULTI CHANNEL FAULT ANNOUNCEMENT SYSTEM USING TEMPERATURE, SMOKE AND LDR SENSORS



102.TEMPERATURE MONITORING AT A BOILER.

103.SOLAR TRACKING SYSTEM USING LDR.

104.ALCOHOL DETECTOR SYSTEM FOR SURVEILLANCE COPS ON
HIGHWAYS.

105. IVRS SYSTEM USING DTMF

106. INTELLIGENT OBJECT COUNTING SYSTEM.

107. SMOKE SENSING SYSTEM.

