Innovative Bio-medical Final projects list


SET-640. An Indoor Navigation Approach to Aid the Physically Disabled People (2012)

SET-642. Fall Detection by Built-In Tri-Accelerometer of Smart phone (2012)

SET-643. A design of a prototypic Hand-Talk Assistive Technology for the Dumb


SET-649. A Distributed Wireless Body Area Network for Medical Supervision (2012)


SET-625. Automatic ambulance rescue system (2012)

SET-588. Robot to rescue of a child in a borehole


SET-591. MEMS Accelerometer Based Nonspecific-User Hand Gesture Recognition (2012)

SET-600. Human Postures Recognition Based on D-S Evidence Theory and Multi-sensor Data Fusion

SET-602. A Novel Cost-Effective Portable Electronic Nose for Indoor-/In-Car Air Quality Monitoring (2012)


SET-651. Ultrasonic Spectacles and Waist-belt for Visually Impaired and Blind Person (2012)

SET-573. An Intelligent Blind Rod and Navigation Platform Based on ZigBee Technology (IEEE-2011)

SET-494. MATLAB GUI controlled Home/Industrial Automation

SET-496. Heart beat signal monitoring on PC using MATLAB.

SET-514. Implementation of PC based Biological System

SET-525. Biometric Voting Machine

SET-541. Intruder Tracking Using Wireless Sensor Networks

SET-545. RFID based blind navigation system with voice alert system

SET-549. User independent voice commands based robot control with remote voice and image transmission

SET-550. Zigbee based helmet design for coal mines

SET-556. Advanced and Intelligent wheel chair control system for leg amputees using Joystick

SET-562. Artificial vision systems for the blind using ultrasonic waves

SET-563. Image based Calling system for heart beat patients with Heart beat monitoring

SET-570. Warmer for Blood Infusion

SET-573. An Intelligent Blind Rod and Navigation Platform

SET-578. Embedded based Wireless Neuron-Muscular Stimulator with Intensity Control

SET-493. Wireless Talking Touch Home

SET-486. PC controlling wirelessly using tongue motion

SET-488. Real-time pantry information system using ZigBee

SET-489. Tongue driven speaking wheel chair with wireless device control

SET-462. Design and construction of voice operated mobile phone for people with no hands.

SET-68. Electronic eye-dial-up.

SET-469. Tongue controlled speaking robot for paralyzed/physically handicapped persons.

SET-364. Gestures controlled Intelligent Wheel chair with device switching

SET-368. MEMS Accelerometer based Head movement controlled Firefight iRobot

SET-359. Home Security with Voice Alerts & Virtual Keypad Authentication

SET-02. Design and construction of MEMS based tilt operated touch free mobile phone useful for physically challenged/paralyzed persons.
SET-08. Head movement based voice enabled wireless device switching for physically challenged

SET-09. Touch screen and Zigbee based wireless communication assistant for Dumb and illiterates in Airlines

SET-346. Wheel chair movement control using tongue

SET-386. Wireless device switching using user independent voice commands for blind persons.

SET-258. Obstacle Avoidance and Manhole detection Electronic travel aid Robot for blind

SET-191. Voice actuated hospital bed control system and Heart Beat monitoring and alerting system

SET-17. GPS and GSM based Real-time Human Health Monitoring and Alert System for Cardiac patients.

SET-158. Voice commands based wheel chair for physically challenged.

SET-480. Design and development of mobile phone for multipurpose applications

SET-460. Hand held device to control the home appliances and voice command announcements for dumb/Illiterates using one input pin of micro controller.

SET-459. Stimulation of paralyzed muscle using IR with intensity varying features.


SET-435. Advanced BMI Calculator with under and over weight alerts.

SET-423. Computing Technology Used in Retrieval of Patient’s Record.

SET-420. Heart-rate analyzer on color GLCD using ARM cortex.


SET-437. Ethernet based medical parameters monitoring system.

SET-376. Body movement recognition and alerting system based on Flex sensor

SET-372. Wireless control of powered devices with tongue motion

SET-360. Indoor wireless person tracking and voice enabled announcement system

SET-422. Blood pressure blood glucose level monitoring on LCD.

SET-412. WiFi based Wireless Heart rate monitoring and alerting system
SET-411. Intensive Care Unit (ICU) patients monitoring system with immediate action in emergencies using speech recognition and Zigbee technologies

SET-408. Hand talk using flex sensor

SET-405. TV remote based Attender calling system

SET-401. Speech recognition based Wheel chair with elevated features

SET-400. RFID based patient data monitoring

SET-393. RFID based bus name announcement system

SET-392. Tongue controlled speaking micro controller

SET-389. Highly sensitive ear

SET-388. DTMF 3-phase irrigation Control with Feedback

SET-387. I-Button & keypad based DC motor door lock system

SET-384. Braille Reader

SET-383. Development of vision system to a humanoid Robot

SET-382. Contemporary traveling system with voice alert

SET-380. MEMS based Step Counter.

SET-353. Gesture controlled wireless spy Robo with video capture

SET-10. Zigbee based wireless Voice to Text translator in Airlines/Hospital assistant system for blind/Illiterates.

SET-16. Cardiac Sentinel: A smart GSM based embedded solution for continuous remote monitoring of cardiac patients.


SET-159. MEMS Accelerometer controlled PC.

SET-22. Wearable Technology based secure access control system with motion based password.

SET-198. Speech recognition based wheel chair operation and wireless home devices control system

SET-29. Touch screen based wheel chair control system.


SET-31. Touch screen based Nurse/attendant calling system for physically impaired.

SET-596. Safe Driving Using Mobile Phone (2012)


SET-60. Student data logging system into college website based on RFID.

SET-62. GSM based school children security system based on RFID.

SET-165. Gas leakage detector & auto dialing controller system

SET-75. Home security System based on LPG gas, Smoke and Fire Sensors with SMS based alerts

SET-77. GSM based digital Notice board with display on PC Monitor.

SET-78. GSM based digital Notice board with display on Scrolling LED Display.

SET-79. GSM based SCADA (Supervisory Control and Data Acquisition) implementation.

SET-85. Microcontroller Based Thermometer and SMS based alerts.

SET-86. Security Integrated system based on wireless access protocol for industrial applications with SMS alert system using GSM modem

SET-497. Material handling robot controlling through wireless Zigbee from MATLAB.

SET-110. RFID based animal tracking system.

SET-112. RFID based medical information system.

SET-113. Innovative Congestion Control System for Ambulance Using ZIGBEE

SET-121. Wireless Heartbeat Monitoring and Alert system

SET-131. Child/Blind tracking system & alerts to our hand held device.

SET-143. ROBO leg for physically challenged.

SET-144. Hand Gestures controlled Intelligent Wheelchair.

SET-198. Speech recognition based wheel chair operation and wireless home devices control system

SET-96. RFID and 2GB SD/MMC card based patient data monitoring system with PC interface.

SET-121. Wireless Heartbeat Monitoring and Alert system.

SET-252. Heart beat monitoring with display on LCD.

SET-93. Microcontroller based Heartbeat Monitor with Display on pc.

SET-193. Wireless touch screen based heartbeat monitoring of multiple patients
MEMS accelerometer projects

SET-08. Head movement based voice enabled wireless device switching for physically challenged


SET-200. MEMS Accelerometer based digital photo frame with automatic position/view adjustment system (similar to digital cameras)

SET-02. Design and construction of MEMS based tilt operated touch free mobile phone.

SET-159. MEMS Accelerometer controlled PC.

SET-22. Wearable Technology based secure access control system with motion based password.

SET-230. Wearable technology for wireless gadgets control

SET-117. Wireless vibration monitoring system of industrial equipments (Also useful for bridges monitoring).

SET-139. MEMS Accelerometer based Hands Gesture controlled Robot

SET-145. MEMS controlled robot with wireless video camera mounted on it.

SET-144. Hand Gestures controlled Intelligent Wheelchair.


SET-200. MEMS Accelerometer based digital photo frame with automatic position/view adjustment system (similar to digital cameras)