



A Unit of Ensemble Tech Pvt Ltd

IEEE Projects in - Embedded Sys | VLSI | DSP | DIP | EIE | MATLAB | Electrical | Android

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About Us :

We at Ingens Tech specialize in academic projects training, guidance and implementation. We offer project guidance and training for final year projects in departments like ECE, EEE, E&I and other associated departments. We have a impeccable track record over more than ten years, during which we have guided thousands of projects in various domains like

- Embedded System Projects
- VLSI Projects
- DSP Projects
- DIP Projects
- MATLAB Projects
- Electrical Projects
- Instrumentation Projects
- Robotics Projects



...and many more related domains. Most of these projects are based on latest international publications like IEEE papers. We hand pick IEEE projects for students to meet their requirements.

About This List :

This projects list is a partial list, taken from our full projects list for the year 2014-15. Most of the projects on the list are based on IEEE base papers for 2014-15. This list is only to give the students a brief idea about the possibilities with a specific technology. We have 100s of other projects in various other domains also. Students can choose either from this list or contact us to get more project options.

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S. No	Code	BIOMEDICAL
1	IGBM01	Determining Wellness through an Ambient Assisted Living Environment
2	IGBM02	Intrabody Communication
3	IGBM03	A Level-Crossing Based QRS-Detection Algorithm for Wearable ECG Sensors
4	IGBM04	ECG Biometric with Abnormal Cardiac Conditions in Remote Monitoring System
5	IGBM05	WE-CARE: An Intelligent Mobile Telecardiology System to Enable mHealth Applications
6	IGBM06	Zigbee and GSM based patient health monitoring system
7	IGBM07	Low-cost MCU solution for measuring HRV using SpO2 sensor
8	IGBM08	Development of cost effective ECG data acquisition system for clinical applications using LabVIEW
9	IGBM09	Wireless transmission of alarm signals from baby incubators to neonatal nursing station
10	IGBM10	Motor rehabilitation based on brain machine interface and Microsoft Kinect
11	IGBM11	A Brain-Computer Interface-Based Vehicle Destination Selection System Using P300 and SSVEP Signals
12	IGBM12	Sound transmission through the human body with digital weaver modulation (DWM) method
13	IGBM13	Prototype early warning system for heart disease detection using Android application
14	IGBM14	Control of robotic hand simulator via human hand motion analysis based on EMG
15	IGBM15	Smart wireless healthcare monitoring for drivers community
16	IGBM16	Development of wireless EMG control system for rehabilitation devices
17	IGBM17	Bluetooth Low Energy (BLE) based blood pressure monitoring system
18	IGBM18	Design and implementation of heart rate measurement device using wireless system
19	IGBM19	An Assistive Navigation System Based on Augmented Reality and Context Awareness for People With Mild Cognitive Impairments
20	IGBM20	A novel pulseoximeter for bluetooth synchronized measurements in a body sensor network
21	IGBM21	An Instrumented Insole for Long Term Monitoring Movement, Comfort, and Ergonomics



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22	IGBM22	Remote patient monitoring system for rural population using ultra low power embedded system
23	IGBM23	Speed control of the Implantable Centrifugal Blood Pump to avoid aortic valve stenosis: Simulation and implementation
24	IGBM24	Intelligent Closed-Loop Insulin Delivery Systems for ICU Patients
25	IGBM25	Indoor hospital communication systems: An integrated solution based on power line and visible light communication
26	IGBM26	Implementation of a real-time ECG signal processor
27	IGBM27	A Configurable and Low-Power Mixed Signal SoC for Portable ECG Monitoring Applications
28	IGBM28	EMG-based continuous control method for electric wheelchair
29	IGBM29	Ultra-low power design of wearable cardiac monitoring systems
30	IGBM30	Galvanic Coupling Transmission in Intrabody Communication: A Finite Element Approach
31	IGBM31	Diagnostic Device for Acute Cardiac Disease Using ECG and Accelerometer
32	IGBM32	An enhanced fall detection system for elderly person monitoring using consumer home networks
33	IGBM33	LABVIEW based expert system for detection of heart abnormalities
34	IGBM34	Micro-electrode arrays for multi-channel motor unit EMG recording
35	IGBM35	EEG-based brain connectivity analysis of states of unawareness
36	IGBM36	Investigation of Galvanic-Coupled Intrabody Communication Using the Human Body Circuit Model
37	IGBM37	Implementing Intelligent Traffic Control System for Congestion Control, Ambulance Clearance, and Stolen Vehicle Detection
38	IGBM38	Design of vital sign monitor based on wireless sensor networks and telemedicine technology
39	IGBM39	Medical Data Compression and Transmission in Wireless Ad Hoc Networks
40	IGBM40	Toward developing a smart wheelchair for user physiological stress and physical activity monitoring
41	IGBM41	An open and configurable embedded system for EMG pattern recognition implementation



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		for artificial arms
42	IGBM42	Design and Implementation of Portable ECG and Body Temperature Monitor
43	IGBM43	Wireless body area networks: Status and opportunities
44	IGBM44	Evaluation of the NeuroSky MindFlex EEG headset brain waves data
45	IGBM45	Real time monitoring of vital signs using wireless technique
46	IGBM46	Acquisition and processing real-time EMG signals for prosthesis active hand movements
47	IGBM47	Human body: The future communication channel for WBAN
48	IGBM48	A multi-to-one short-range wireless communication system for the smart ICU physiology telemetry system
49	IGBM49	Brain Computer Interface-Based Smart Living Environmental Auto-Adjustment Control System in UPnP Home Networking
50	IGBM50	A low-power, wireless, wrist-worn device for long time heart rate monitoring and fall detection
51	IGBM51	Implementation of Mind Control Robot
52	IGBM52	Personal Lung Function Monitoring Devices for Asthma Patients