



# Ingens

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 the last 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 2013-14. Most of the projects on the list are based on IEEE base papers for 2013-14. 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.

## Contact Us :

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S.No	BIOMEDICAL	CODE
1	Hazardless Biomedical Sensing Data Transmission Using VLC	INBOM01
2	A Continuous Biomedical Signal Acquisition System Based on Compressed Sensing in Body Sensor Networks	INBOM02
3	A Smart Wearable Textile Array System for Biomedical Telemetry Applications	INBOM03
4	A Low-Frequency Versatile Wireless Power Transfer Technology for Biomedical Implants	INBOM04
5	Wireless Wearable Multisensory Suite and Real-Time Prediction of Obstructive Sleep Apnea Episodes	INBOM05
6	Wireless sensor networks for biomedical applications	INBOM06
7	Biomedical sensor network for cardiovascular fitness and activity monitoring	INBOM07
8	Sensing Devices and Sensor Signal Processing for Remote Monitoring of Vital Signs in CHF Patients	INBOM08
9	Design of wide band OOK transmitter for biomedical applications	INBOM09
10	A Pervasive Health System Integrating Patient Monitoring, Status Logging, and Social Sharing	INBOM10
11	The Effect of Step-Synchronized Vibration on Patients With Parkinson's Disease	INBOM11
12	On-Shoe Wearable Sensors for Gait and Turning Assessment of Patients With Parkinson's Disease	INBOM12
13	Personal Medical Monitoring System	INBOM13
14	Wireless wrist-wearable wake/sleep identification device for closed-loop deep brain stimulation	INBOM14
15	Position Recognition to Support Bedsores Prevention	INBOM15
16	Design and Development of a Sensorized Wireless Toy for Measuring Infants' Manual Actions	INBOM16
17	Personalized Electronic Health Record System for Monitoring Patients with Chronic Disease	INBOM17
18	Monitoring of bedridden patients: Development of a fall detection tool	INBOM18
19	Diffuse IR-optical wireless system demonstration for mobile patient monitoring in hospitals	INBOM19
20	Wireless remote patient monitoring in older adults	INBOM20
21	Real time biomedical signal transmission of mixed ECG Signal and patient information using visible light communication	INBOM21
22	Medicament dispensation system with patient supervision	INBOM22



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23	Ubiquitous patient monitoring and smart alert generation in an intensive care unit	INBOM23
24	Emergency communication interface design using wearable data gloves for weary patients	INBOM24
25	Galvanic Coupling Transmission in Intrabody Communication: A Finite Element Approach	INBOM25
26	Body area sensor network for evaluating fitness exercise	INBOM26
27	A Survey on Intrabody Communications for Body Area Network Applications	INBOM27
28	FPGA based reconfigurable body area network using Nios II and uClinux	INBOM28
29	Real life applicable fall detection system based on wireless body area network	INBOM29
30	The smartphone accessory heart rate monitor	INBOM30
31	Heart rate variability detector based on embedded system	INBOM31
32	Wireless patch sensor for remote monitoring of heart rate, respiration, activity, and falls	INBOM32
33	Wegoto: A Smartphone-based approach to assess and improve accessibility for wheelchair users	INBOM33
34	Toward gesture controlled wheelchair: A proof of concept study	INBOM34
35	A motion control method of intelligent wheelchair based on hand gesture recognition	INBOM35
36	Wheelchair obstacle avoidance based on fuzzy controller and ultrasonic sensors	INBOM36
37	Surgery from a distance—Application of intelligent control for telemedicine	INBOM37
38	Design of electronic blood pressure monitoring system based on mobile telemedicine system	INBOM38
39	Improving the quality of life of dependent and disabled people through home automation and tele-assistance	INBOM39
40	One step towards an automatic aging people fall detection service	INBOM40
41	A wireless electrocardiogram detection for personal health monitoring	INBOM41
42	Design and fabrication of a miniaturized ECG system with Bluetooth connectivity	INBOM42
43	Capacitive Sensors Matrix for Interface Pressure Measurement in Clinical, Ergonomic and Automotive Environments	INBOM43
44	Wearable biopotential measurement using the TI ADS1198 analog front-end and textile electrodes	INBOM44
45	A pressure distribution measurement system for supporting areas of wheelchair users	INBOM45
46	Design and Development of a Monitoring System for the Interface Pressure Measurement of Seated People	INBOM46



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47	Biomedical Telemetry In Military	INBOM47
48	Wireless Fetal Heart Beat Monitoring System	INBOM48