



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	Embedded Industrial Networks & Protocols	CODE
1	Wireless Machine-to-Machine Healthcare Solution Using Android Mobile Devices in Global Networks	INENP01
2	Non-Intrusive Healthcare System in Global Machine-to-Machine Networks	INENP02
3	A Security Layer for Smartphone-to-Vehicle Communication Over Bluetooth	INENP03
4	Enhancing vibration analysis by embedded sensor data validation technologies	INENP04
5	Performance of HTTP Protocol in Networked Control Systems	INENP05
6	Reconfigurable Computing in Next-Generation Automotive Networks	INENP06
7	Smart Grid Infrastructure Using a Hybrid Network Architecture	INENP07
8	Introduction to Industrial Control Networks	INENP08
9	Accessible display design to control home area networks	INENP09
10	An Optimal Power Scheduling Method for Demand Response in Home Energy Management System	INENP10
11	A Communication-Based Appliance Scheduling Scheme for Consumer-Premise Energy Management Systems	INENP11
12	Dynamic Traffic Control with Fairness and Throughput Optimization Using Vehicular Communications	INENP12
13	Multiagent Reinforcement Learning for Integrated Network of Adaptive Traffic Signal Controllers	INENP13
14	Distributed Control to Ensure Proportional Load Sharing and Improve Voltage Regulation in Low-Voltage DC Microgrids	INENP14
15	Design and development Of PIC microcontroller based vehicle monitoring system using Controller Area Network (CAN) protocol	INENP15
16	Controller Area Network for intelligent vehicular systems	INENP16
17	A CAN bus based system for monitoring and fault diagnosis in wind turbine	INENP17
18	Battery management system by using CAN communication based on DSP platform	INENP18
19	Locking and unlocking of theft vehicles using CAN (Theft Control System)	INENP19
20	The design of a distributed control system based on CAN bus	INENP20
21	Internet-Based Human-Vehicle Interface for Ubiquitous Telematics	INENP21
22	Design and Implementation of a MVB Network Controller for Coal Mine Environment Monitoring	INENP22



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23	Monitoring system of harmful substances emission at Compression Ignition engine with Exhaust Gas Recirculation	INENP23
24	Online monitoring and detecting of wood drying kilns' parameters based on embedded system	INENP24
25	Machine-to-Machine: Possible applications in industrial networks	INENP25
26	Control of an industrial robot using Ethernet Application to a V+ running controller	INENP26
27	Implementation of networked control systems using programmable controller based Ethernet network	INENP27
28	Design and Implementation of Embedded Web Computer Remote Control System based on MSP430	INENP28
29	The design and implementation of vehicle electrical switch box based on CAN bus	INENP29
30	Identifying nodes in a master-slave-fieldbus	INENP30
31	Computer Communication Within Industrial Distributed Environment	INENP31
32	The Design and Development of OMRON Multi-PLC Control System Based on Multi-Net	INENP32
33	The design and implementation of wireless sensor network monitoring and control system based on modbus/tcp	INENP33
34	Design and development of the air conditioning system by using OPC UA specifications and Modbus protocol	INENP34
35	The application and research of the liquid level control technology used in mineral flotation process which based on the modbus communication protocol	INENP35
36	Development of data acquisition system for hybrid power plant using MODBUS	INENP36
37	Prepaid energy meters network via power system communication	INENP37
38	The implementation of PLC monitoring system based on OPC	INENP38
39	Design Electric Closed-Loop of Multidrive NC Servo Control System Based on LabVIEW	INENP39
40	Lab-by-wire: Fully web-based hands-on embedded systems laboratory	INENP40
41	An Embedded Remote Temperature Measurement System	INENP41
42	Way-finding Electronic Bracelet for visually impaired people	INENP42
43	A smarter toll gate based on Web of Things	INENP43
44	Proposed framework for underwater sensor cloud for environmental monitoring	INENP44
45	Hybrid mine wide communication system for surveillance and safety of the miners in underground coal mines	INENP45



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46	Design and implementation of a on-board device for photovoltaic panels monitoring	INENP46
47	Extending CAN over the air: An interconnection study with IEEE802.11	INENP47
48	Building Automation and Smart Cities: An Integration Approach Based on a Service-Oriented Architecture	INENP48
49	Design and development Of PIC microcontroller based vehicle monitoring system using Controller Area Network (CAN) protocol	INENP49
50	Thin Client based Power and Cost efficient Servers for Automation Systems	INENP50
51	Virtual Instrumentation Based Noiseless Networking For Industrial Automation	INENP51
52	Thin Client Server based Tele medical system over TCP/IP Networks	INENP52
53	e Virtual Panels for Global Industrial Control	INENP53
54	Hierarchical Industrial networks using LIN Sub network Implementation with VI based Control Panels	INENP54
55	Outdoor Visible Light Communication for inter- vehicle communication using Controller AreaNetwork	INENP55
56	A Distributed Industry Networked Monitoring System Based On ARM And CAN Bus	INENP56