

About Us :

We at SOFTRONIICS 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 an 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 listed in international publications like IEEE papers. We hand pick IEEE projects to meet their requirements.

About This List :

This projects list is a partial list, taken from our full projects list for the year 2016-17. Most of the projects on the list are based on IEEE base papers for 2016-17. 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	Virtual Instrumentation General Instrumentation	CODE
1	Virtual Instrument Systems in Reality (VISIR) for Remote Wiring and Measurement of Electronic Circuits on Breadboard	INIVI01
2	A Temperature and Humidity Monitoring System Based on LabVIEW	INIVI02
3	Wind turbine instrumentation system using LabVIEW	INIVI03
4	Visual programming of an interactive smart home application using LabVIEW	INIVI04
5	Automatic weed detection system and smart herbicide sprayer robot for corn fields	INIVI05
6	Determination of the torque-speed characteristic of induction motor in electric machinery education	INIVI06
7	Sensorized Glove for Measuring Hand Finger Flexion for Rehabilitation Purposes	INIVI07
8	Virtual instrumentation in corrosion measurements	INIVI08
9	Design of controlling the smart meter to equalize the power and demand based on virtual instrumentation	INIVI09
10	Automated efficiency measurement of three phase induction motor using LabVIEW	INIVI10
11	Mobile virtual laboratory for renewable energy	INIVI11
12	Suitability of SCADA for development of remote laboratories	INIVI12
13	Vision-based sign language translation device using mobile phones	INIVI13
14	Advanced instrumentation for extreme environments	INIVI14
15	Management of Mechanical Vibration and Temperature in Small Wind Turbines Using Zigbee Wireless Network	INIVI15
16	Capacitive Sensors Matrix for Interface Pressure Measurement in Clinical, Ergonomic and Automotive Environments	INIVI16
17	A Multi-Sensor Energy Theft Detection Framework for Advanced Metering Infrastructures	INIVI17
18	Online Temperature Monitoring, Fault Detection, and a Novel Heat Run Test of a Water-Cooled Rotor of a Hydrogenerator	INIVI18
19	Plug-and-Play Control—Modifying Control Systems Online	INIVI19
20	A Batteryless RFID Remote Control System	INIVI20

	Remote-Control System of High Efficiency and Intelligent Street Lighting Using a ZigBee Network of Devices and Sensors	INIVI21
	An Integrated Design Framework of Fault-Tolerant Wireless Networked Control Systems for Industrial Automatic Control Applications	INIVI22
23	Intelligent Control of Ventilation System for Energy-Efficient Buildings With CO2 Predictive Model	INIVI23
24	A distributed, graphical user interface based, computer control system for atomic physics experiments	INIVI24
25	Intelligence-Based Supervisory Control for Optimal Operation of a DCS-Controlled Grinding System	INIVI25
26		
27	NetSimplex: Controller Fault Tolerance Architecture in Networked Control Systems	INIVI26
28	How can human communicate with robot by hand gesture?	INIVI27
29	Design and implementation of a Industrial Interactive System using Embedded Networking	INIVI28
30	Design and Implementation of a Internet Based Remote Virtual Instrumentation System (e Virtual Panels)	INIVI29
31		
32	Design of Virtual Instrument Based on MATLAB and LabVIEW	INIVI30
	Platform for Testing and Measuring Based on Virtual Instrument	INIVI31
	Internet based power quality monitoring system	INIVI32