



Ingens

A Unit of [Ensemble Tech Pvt Ltd](#)

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

Phone : 044-42663268 / 24348584

Mobile : +91 95 85 85 85 86 / 87 / 88

Email : projects@ingenstech.com

Website : www.ingenstech.com

Address : 12, Ramasamy St, T Nagar, Chennai - 17
(Behind Fathima Jewellers)

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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Landline: 044-24348584 / 42663268

Address: 1st Fl, No:12, Ramasamy Street, T.Nagar, Chennai – 17
(Behind Fathima Jewellers)

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S.No	Robotics	CODE
1	Designing and Implementing a Human–Robot Team for Social Interactions	INROB01
2	Human-Walking-Intention-Based Motion Control of an Omnidirectional-Type Cane Robot	INROB02
3	A Compact and Compliant External Pipe-Crawling Robot	INROB03
4	A Robot that Approaches Pedestrians	INROB04
5	Active and Passive Control of Walk-Assist Robot for Outdoor Guidance	INROB05
6	Environmental Monitoring Using Autonomous Aquatic Robots: Sampling Algorithms and Experiments	INROB06
7	Autonomous network repairing of a home security system using modular self-reconfigurable robots	INROB07
8	A socially assistive robot for the elderly and cognitively impaired	INROB08
9	Localization and navigation of a mobile robot in an office-like environment	INROB09
10	Tracking visitors with sensor poles for robot's museum guide tour	INROB10
11	using assistive robotics to empower people with disabilities	INROB11
12	An autonomous ground robot for outdoor exploration	INROB12
13	Driftless 3-D Attitude Determination and Positioning of Mobile Robots By Integration of IMU With Two RTK GPSs	INROB13
14	Sensor based autonomous color line follower robot with obstacle avoidance	INROB14
15	Smart rope and vision based guide-dog robot system for the visually impaired self-walking in urban system	INROB15
16	Design of cell phone operated robot using DTMF for object research	INROB16
17	Tele-Operation of Robot Using Gestures	INROB17
18	A proximity/contact-force sensor for Human Safety in industrial robot environment	INROB18
19	Control of an industrial robot using Ethernet Application to a V+ running controller	INROB19
20	Distance controlled rescue and security mobile robot	INROB20
21	GPRS-based remote sensing and teleoperation of a mobile robot	INROB21
22	Attendant robot for elderly service using sensor network system	INROB22



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23	Gesture-based robot control with variable autonomy from the JPL BioSleeve	INROB23
24	Development of an indoor patrol robot based on ultrasonic and vision data fusion	INROB24
25	Agricultural Robotics: Unmanned Robotic Service Units in Agricultural Tasks	INROB25
26	Automatic weed detection system and smart herbicide sprayer robot for corn fields	INROB26
27	Development and application of electronic nose for agricultural robot	INROB27
28	Design and development of digital PID controller for DC motor drive system using embedded platform for mobile robot	INROB28
29	RFID-based Location System for Forest Search and Rescue Missions	INROB29
30	Distance controlled rescue and security mobile robot	INROB30
31	Kinect-based Powered Wheelchair Control System	INROB31
32	Autonomous line-follower with fuzzy control	INROB32
33	Design and implementation of fuzzy logic based autonomous car for navigation in unknown environments	INROB33
34	Design and development of remote-operated multi-direction Unmanned Ground Vehicle (UGV)	INROB34
35	Design and implementation of robotic system to transport disabled people	INROB35
36	Online control of remote operated agricultural Robot using fuzzy controller and virtual instrumentation	INROB36
37	Warfield Communications Jammer Robot	INROB37
38	Development of a robotic-arm controller by using hand gesture recognition	INROB38
39	A Real-Time Path Tracking Approach for a Wheeled Mobile Robot	INROB39
40	Priority Scheduling in an Autonomous Material Handling System for Industries	INROB40
41	Development of robotic sewerage blockage detector controlled by embedded systems	INROB41
42	Implementation of a Robotic Self Navigating Weapon System for Defense Applications	INROB42
43	Virtual Blue Printing Robot for Indoor Surveillance in Combating Urban Terrorism	INROB43