



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	GPS GIS Telematics	CODE
1	Front Sensor and GPS-Based Lateral Control of Automated Vehicles	INGGT01
2	Improving Accuracy of the Vehicle Attitude Estimation for Low-Cost INS/GPS Integration Aided by the GPS-Measured Course Angle	INGGT02
3	Approach to estimate travel time using sparsely sampled GPS data in urban networks	INGGT03
4	Driftless 3-D Attitude Determination and Positioning of Mobile Robots By Integration of IMU With Two RTK GPSs	INGGT04
5	Online Monitoring of Geological Storage and Leakage Based on Wireless Sensor Networks	INGGT05
6	LOBOT: Low-Cost, Self-Contained Localization of Small-Sized Ground Robotic Vehicles	INGGT06
7	A tracking system using location prediction and dynamic threshold for minimizing SMS delivery	INGGT07
8	Relative Positioning Enhancement in VANETs: A Tight Integration Approach	INGGT08
9	Location-Aware and Safer Cards: Enhancing RFID Security and Privacy via Location Sensing	INGGT09
10	Performance assessment of aided Global Navigation Satellite System for land navigation	INGGT10
11	UAV Position Estimation and Collision Avoidance Using the Extended Kalman Filter	INGGT11
12	T-Finder: A Recommender System for Finding Passengers and Vacant Taxis	INGGT12
13	New approach for routing in mobile ad-hoc networks based on ant colony optimisation with global positioning system	INGGT13
14	Development and implementation of NMEA interpreter for real time GPS data logging	INGGT14
15	An efficient mobile GPS navigator, tracker and altimeter system for location based services	INGGT15
16	A facile approach to GPS navigation in unmanned ground vehicles	INGGT16
17	An overview of development GPS navigation for autonomous car	INGGT17
18	Application of a Wireless Sensor Network Technology Based on GPS for Structural Health Monitoring	INGGT18
19	GPS enabled speed control embedded system speed limiting device with display and engine control interface	INGGT19
20	The impact of GPS positioning errors on the hop distance in Vehicular Adhoc Networks (VANETs)	INGGT20
21	GPS Sensing Systems and Fuzzy Rules to Improve Urban Navigation Assistance and Planning	INGGT21
22	A vision and GPS-based real-time trajectory planning for MAV in unknown urban environments	INGGT22



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23	GPS aided inter-vehicular wireless networking	INGGT23
24	Low-cost IMU/odometer/GPS integrated navigation aided with two antennae heading measurement for land vehicle application	INGGT24
25	Intelligent vehicle monitoring system using wireless communication	INGGT25
26	Combined communication and radio navigation system for small UAVs	INGGT26
27	QR code based navigation system for closed building using smart phones	INGGT27
28	Locking and unlocking of theft vehicles using CAN (Theft Control System)	INGGT28
29	Estimating vehicle state by GPS/IMU fusion with vehicle dynamics	INGGT29
30	Recent progress in application of GNSS and advanced communications for railway signaling	INGGT30
31	Automated Control System for Air Pollution Detection in Vehicles	INGGT31
32	Passenger BUS alert system for easy navigation of blind	INGGT32
33	Real-Time Street Parking Availability Estimation	INGGT33
34	Context aware wireless sensor system integrated with participatory sensing for real time road accident detection	INGGT34
35	Navigation control for exploration rover with Microwave Doppler sensors	INGGT35
36	A UAV system for inspection of industrial facilities	INGGT36
37	IMU and cable encoder data fusion for in-pipe mobile robot localization	INGGT37
38	Campus assistant application on an Android platform	INGGT38
39	Preserving national animal using wireless sensor network based hotspot algorithm	INGGT39
40	Smart Global Positioning System for Autonomous Delivery Robots in Hospitals	INGGT40
41	Autonomous navigation of a small boat using IMU/GPS/digital compass integration	INGGT41
42	RFID-based Location System for Forest Search and Rescue Missions	INGGT42