Ingens

A Unit of Ensemble Tech Pvt Ltd

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

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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Route Map: Click Here

S.No	MATLAB | DIP	CODE
1	Analysis of transformer oil by using MATLAB (Image Processing tool)	INDIP01
2	Analysis of rice granules using image processing and neural network	INDIP02
3	Novel image processing techniques for early detection of breast cancer, mat lab and lab view implementation	INDIP03
4	Cost effective smart remote controller based on invisible IR-LED using image processing	INDIP04
5	Automatic inspection of outdoor insulators using image processing and intelligent techniques	INDIP05
6	Automatic system for determination of blood types using image processing techniques	INDIP06
7	Non-destructive Quality Analysis of Kamod Oryza Sativa SSP Indica (Indian Rice) Using Machine Learning Technique	INDIP07
8	Development of a system for monitoring and tracking of physiotherapeutic movements in patients with neurological diseases	INDIP08
9	Automatic Malaria Diagnosis system	INDIP09
10	A novel approach of assisting the visually impaired to navigate path and avoiding obstacle-collisions	INDIP10
11	Counting objects in an image by marker controlled watershed segmentation and thresholding	INDIP11
12	Localization of License Plate Number Using Dynamic Image Processing Techniques And Genetic Algorithms	INDIP12
13	LabVIEW implementation of an elasticity measurement technique	INDIP13
14	Innovative algorithms for vision defect identification system	INDIP14
15	Design of Automobile License Plate Recognition System Based on MATLAB and Fuzzy PID	INDIP15
16	Customized architecture for implementing configurable FFT on FPGA	INDIP16
17	A Median Image Filtering Algorithm Based on Statistical Histogram	INDIP17
18	Tracking and counting vehicles in traffic video sequences using particle filtering	INDIP18
19	Detection of abnormalities in retinal images	INDIP19
20	Retinal Microaneurysm Detection Through Local Rotating Cross-Section Profile Analysis	INDIP20
21	Vision-based sign language translation device	INDIP21
22	Signature matching with automated cheque system	INDIP22

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23	Novel segmentation algorithm for hand gesture recognition	INDIP23
24	The monitoring system of smoke images based on embedded system and GPRS	INDIP24
25	Consumer electronics-based intelligent alert system for unattended elderly residents	INDIP25
26	Driver fatigue detection using machine vision approach	INDIP26
27	The Use of Automotive Radars in Video-Based Overtaking Assistance Applications	INDIP27
28	A Novel Vehicle Detection Method With High Resolution Highway Aerial Image	INDIP28
29	Design of an intelligent electric vehicle for blind	INDIP29
30	Enhancing Light Blob Detection for Intelligent Headlight Control Using Lane Detection	INDIP30
31	Intelligent Parking System for Car Parking Guidance and Damage Notification	INDIP31
32	Sensor Fusion-Based Vacant Parking Slot Detection and Tracking	INDIP32
33	Police Eyes: Real world automated detection of traffic violations	INDIP33
34	Stopped Object Detection by Learning Foreground Model in Videos	INDIP34
35	Traffic Violation Detection Using Multiple Trajectories Evaluation of Vehicles	INDIP35
36	EasiSee: Real-Time Vehicle Classification and Counting via Low-Cost Collaborative Sensing	INDIP36
37	Adaptive encryption using pseudo-noise sequences for medical images	INDIP37
38	Real time edge detected advanced image acquisition system using RGB analysis	INDIP38
39	Image authentication and restoration by multiple watermarking techniques with advance encryption standard in digital photography	INDIP39
40	Indoor security system design and implementation using depth information	INDIP40
41	Securing Visual Cryptographic shares using Public Key Encryption	INDIP41
42	An Encryption and Decryption Algorithm for Image Based on DNA	INDIP42
43	Depth-based hand gesture recognition for home appliance control	INDIP43
44	Novel segmentation algorithm for hand gesture recognition	INDIP44
45	Gesture and Hand Activity Based Emergency Response Communication by Patients, Elderly and Disabled While Using Data Gloves	INDIP45
46	Brain Tumor Classification using Discrete Cosine Transform and Probabilistic Neural Network	INDIP46

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47	Lung tumor detection and diagnosis in CT scan images	INDIP47
48	Detection of lung tumor in CE CT images by using weighted Support Vector Machines	INDIP48
49	Design and implementation of a unique blood-vessel detection algorithm towards early diagnosis of diabetic retinopathy	INDIP49
50	Directional Local Contrast Based Blood Vessel Detection in Retinal Images	INDIP50
51	A separable reversible data hiding in encrypted image with improved performance	INDIP51
52	How can human communicate with robot by hand gesture?	INDIP52
53	Human Abnormal Action Identification Method in Different Scenarios	INDIP53
54	Hand gesture based interface for aiding visually impaired using real time camera	INDIP54
55	Bomb detection in public places using real time image processing	INDIP55
56	Missing Objects and Theft detection in static environment using CCTV camera image	INDIP56
57	Intelligent Traffic Light control and vehicle identification using traffic cameras without ground sensors	INDIP57
58	Energy saver with localised occupany detection based on image processing	INDIP58
59	PCB defect identification using DIP	INDIP59
60	Umpire hand signal identification for automatic run scoring using dynamic video processing	INDIP60
61	Object sorting in manufacturing industries using continuous image acquisition	INDIP61
62	Disk Space Optimization during video recording in continuous surveillance systems	INDIP62