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**SPIRO**  
SOLUTIONS PVT LTD

**IMAGE PROCESSING  
PROJECT TITLE  
2015 - 2016**



## Technology : MATLAB

### Domain : IMAGE PROCESSING

S.NO	CODE	PROJECT TITLES	APPLICATION	YEAR
1.	IMP01	Remote Authentication via Biometrics: A Robust Video-Object Steganographic Mechanism Over Wireless Networks	STEGANOGRAPHY	2015
2.	IMP02	Compressed-Domain Ship Detection on Spaceborne Optical Image Using Deep Neural Network and Extreme Learning Machine	SATELLITE IMAGES	2015
3.	IMP03	Elaboration of Novel Image Processing Algorithm for Arcing Discharges Recognition on HV Polluted Insulator Model	SATELLITE IMAGES	2015
4.	IMP04	Face Recognition Across Non-Uniform Motion Blur, Illumination, and Pose	BIOMETRICS	2015
5.	IMP05	A Novel Active Learning Method in Relevance Feedback for Content-Based Remote Sensing Image Retrieval	IMAGE RETRIEVAL	2015
6.	IMP06	Deep Representations for Iris, Face, and Fingerprint Spoofing Detection	BIOMETRICS	2015
7.	IMP07	Fast and Adaptive Detection of Pulmonary Nodules in Thoracic CT Images Using a Hierarchical Vector Quantization Scheme	BIOMEDICAL	2015
8.	IMP08	Automated Vessel Segmentation Using Infinite Perimeter Active Contour Model with Hybrid Region Information with Application to Retinal Images	BIOMEDICAL	2015
9.	IMP09	Four-Class Classification of Skin Lesions With Task Decomposition Strategy	BIOMEDICAL	2015



10.	IMP10	Automatic Classification of Intracardiac Tumor and Thrombi in Echocardiography Based on Sparse Representation	BIOMEDICAL	2015
11.	IMP11	Adaptive Co-Segmentation of Pheochromocytomas in CECT Images Using Localized Level Set Models	BIOMEDICAL	2015
12.	IMP12	Segmentation-Based Image Copy-Move Forgery Detection Scheme	SEGMENTATION	2015
13.	IMP13	High Capacity Reversible Data Hiding in Encrypted Images by Patch-Level Sparse Representation	STEGANOGRAPHY	2015
14.	IMP14	Unsupervised Detection of Earthquake-Triggered Roof-Holes From UAV Images Using Joint Color and Shape Features	SATELLITE	2015
15.	IMP15	Traffic Sign Detection via Graph-Based Ranking and Segmentation Algorithms	SEGMENTATION	2015
16.	IMP16	Localization of license plate number using Dynamic image processing techniques and Genetic algorithms	RECOGNITION	2014
17.	IMP17	A Novel Joint Data-Hiding and Compression Scheme Based on SMVQ and Image Inpainting	STEGANOGRAPHY	2014
18.	IMP18	Tampering Detection in Compressed Digital Video Using Watermarking	STEGANOGRAPHY	2014
19.	IMP19	Image Quality Assessment for Fake Biometric Detection: Application to Iris, Fingerprint, and Face Recognition	BIOMETRICS	2014
20.	IMP20	Multimodal Medical Volumetric Data Fusion Using 3-D Discrete Shearlet Transform and Global-to-Local Rule	BIOMEDICAL	2014
21.	IMP21	Lung Nodule Classification With Multilevel Patch-Based Context Analysis	BIOMEDICAL	2014
22.	IMP22	An Automatic Graph-Based Approach for Artery/Vein	BIOMEDICAL	2014



		Classification in Retinal Images		
23.	IMP23	On Scanning Linear Barcodes From Out-of-Focus Blurred Images: A Spatial Domain Dynamic Template Matching Approach	IMAGE RESTORATION	2014
24.	IMP24	Remote Sensing Image Segmentation by Combining Spectral and Texture Features	SEGMENTATION	2014
25.	IMP25	Object-Oriented Shadow Detection and Removal From Urban High-Resolution Remote Sensing Images	IMAGE RESTORATION	2014
26.	IMP26	Fuzzy Clustering With a Modified MRF Energy Function for Change Detection in Synthetic Aperture Radar Images	SEGMENTATION	2014
27.	IMP27	Measures of Effective Video Tracking	SEGMENTATION	2014


**Technology : DOTNET**
**DOMAIN: IEEE TRANSACTIONS ON IMAGE PROCESSING**

S.NO	PROJECT CODE	PROJECT TITLES	YEAR
1.	ITDIM01	BSIFT: Toward Data-Independent Codebook for Large Scale Image Search	2015
2.	ITDIM02	Content-Based Image Retrieval Using Features Extracted From Half toning-Based Block Truncation Coding	2015
3.	ITDIM03	An Attribute-Assisted Reranking Model for Web Image Search	2015
4.	ITDIM04	SLED: Semantic Label Embedding Dictionary Representation for Multilabel Image Annotation	2015
5.	ITDIM05	Web Image Re-Ranking Using Query Specific Semantic Signatures	2014
6.	ITDIM06	Compressing Encrypted Images with Auxiliary Information	2014


**TECHNOLOGY : JAVA**
**DOMAIN: IEEE TRANSACTIONS ON IMAGE PROCESSING**

S.NO	PROJECT CODE	PROJECT TITLES	YEAR
1.	ITJIM01	Low-Complexity Multiclass Encryption by Compressed Sensing	2015
2.	ITJIM02	Semantic Sparse Recoding of Visual Content for Image Applications	2015
3.	ITJIM03	High Capacity Reversible Data Hiding in Encrypted Images by Patch-Level Sparse Representation	2015
4.	ITJIM04	Steganography Using Reversible Texture Synthesis	2015
5.	ITJIM05	Measures of Effective Video Tracking	2014
6.	ITJIM06	Object-Oriented Shadow Detection and Removal From Urban High-Resolution Remote Sensing Images	2014



## Education Partners:



## Technologies and Domain used:

IEEE 2014, Java, J2ee, Android, Dot net, PHP, Embedded, Vlsi, Matlab, VB, Net working, Data Mining, Image Processing, Cloud Computing, Mobile Computing, Multimedia, Network Security, Soft Engg, Grid Computing, Automation, Robotics, Communication, RF, Zigbee, Blue tooth, GSM/GPS/GPRS, Power Electronics & Systems, Electrical, DSP, RTOS, Bio metrics, etc.

## Features

- Latest 2014 IEEE, Science Direct, ACM based project concept and solutions.
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