



# CritacInfotech

**Web Development | R&D Projects | Training**

**IEEE PROJECT TITLE 2017-18**

**DOMAIN: MATLAB**

**Prabu V,  
Development Manager,  
critacinfotech@gmail.com  
www.critac.org  
+91 95780 11100, +91 9715163446**

**For Abstract, Base Papers and More Titles visit our website.**

**[www.critac.org](http://www.critac.org)**

	<b>IMAGE PROCESSING-FACE RECOGNITION PROJECT TITES</b>	<b>DOMAIN</b>
MFR01	Context-Aware Local Binary Feature Learning for Face Recognition	
MFR02	Data-Dependent Label Distribution Learning for Age Estimation	
MFR03	Face Anti-Spoofing using Speeded-Up Robust Features and Fisher Vector Encoding	
MFR04	Facial Age Estimation with Age Difference	
MFR05	Largest Matching Areas for Illumination and Occlusion Robust Face Recognition	
MFR06	Learning Correspondence Structures for Person Re-identification	
MFR07	Semi-Supervised Sparse Representation Based Classification for Face Recognition with Insufficient Labeled Samples	
MFR08	Simultaneous Feature and Dictionary Learning for Image Set Based Face Recognition	
<b>S.No</b>	<b>FICAL EXPRESSION RECOGNITION PROJECT TITES</b>	<b>IEEE 2017-18 MATLAB TITLES</b>
MFER01	A Facial-Expression Monitoring System for Improved Healthcare in Smart Cities	
MFER02	An emotion recognition system for mobile applications	
MFER03	The Indian Spontaneous Expression Database for Emotion Recognition	
MFER04	Unconstrained Facial Beauty Prediction Based on Multi-scale K-Means	
<b>S.No</b>	<b>ACTION RECOGNITION PROJEC TITES</b>	
MAR01	Semi-Supervised Image-to-Video Adaptation for Video Action Recognition	
MAR02	Soft Biometrics: Globally Coherent Solutions for Hair Segmentation and Style Recognition based on Hierarchical MRFs	
<b>S.No</b>	<b>MEDICAL IMAGE PROCESSING PROJEC TITES</b>	
MMIP01	Automated Diagnosis of Glaucoma Using Empirical Wavelet Transform and Correntropy Features Extracted from Fundus Images	
MMIP02	Neuron Segmentation with High-Level Biological Priors	
MMIP03	Retinal Disease Screening through Local Binary Patterns	

MMIP04	Defect Detection in SEM Images of Nanofibrous Materials	<b>DOMAIN</b>
<b>S.No</b>	<b>IMAGE PROCESSING PROJEC TITLES</b>	<b>IEEE 2017-18 MATLAB TITLES</b>
MIP01	Fast Image Dehazing Method Based on Linear Transformation	
MIP02	Fog Density Estimation and Image Defogging Based on Surrogate Modeling for Optical Depth	
MIP03	Haze Removal using the Difference-Structure-Preservation Prior	
MIP04	Single Image Rain Streak Decomposition Using Layer Priors	
MIP05	A Hierarchical Approach for Rain or Snow Removing in A Single Color Image	
MIP06	Contrast Enhancement Based on Intrinsic Image Decomposition	
MIP07	Cartoon and Texture Decomposition based Color Transfer for Fabric Images	
MIP08	Optimized Multioperator Image Retargeting Based on Perceptual Similarity Measure	
MIP09	Perceptual Image Fusion using Wavelets	
<b>S.No</b>	<b>BIOMETRICS PROJECT TITLES</b>	
MB01	Deep Representation based feature extraction and recovering for Fingervein verification	
MB02	Study of Imposter Attacks on Novel Fingerprint Dynamics Based Verification System	
<b>S.No</b>	<b>INTELLIGENT TRANSPORTATION SYSTEMS PROJECT TITLES</b>	
MITS01	A Cognitively Motivated Method for Classification of Occluded Traffic Signs	
MITS02	Automatic Detection of Red Light Running Using Vehicular Cameras	
MITS03	Counting vehicles in urban traffic scenes using foreground time-spatial images	
MITS04	Enhancing Automatic Maritime Surveillance Systems With Visual Information	

MITS05	Nighttime Vehicle Detection Based on Bio-Inspired Image Enhancement and Weighted Score-Level Feature Fusion
MITS06	Towards Detection of Bus Driver Fatigue Based on Robust Visual Analysis of Eye State
MITS07	A Practical Animal Detection and Collision Avoidance System Using Computer Vision Technique
<b>S.No</b>	<b>LICENSE PLATE DETECTION PROJECT TITLES</b>
MLPD01	A Robust and Efficient Approach to License Plate Detection
MLPD02	Accurate Detection and Recognition of Dirty Vehicle Plate Numbers for High-Speed Applications
MLPD03	Segmentation- and Annotation-Free License Plate Recognition With Deep Localization and Failure Identification
<b>S.No</b>	<b>STEGANOGRAPHY &amp; WATERMARKING PROJECT TITLES</b>
MSW01	A Novel Data Hiding Algorithm for High Dynamic Range Images
MSW02	Steganography with Multiple JPEG Images of the Same Scene
MSW03	Chaos-based fast colour image encryption scheme with true random number keys from environmental noise
MSW04	Features Classification Forest: A Novel Development that is Adaptable to Robust Blind Watermarking Techniques
MSW05	Fractional Krawtchouk transform with an application to image watermarking
<b>S.No</b>	<b>FORENSIC DETECTION PROJECT TITLES</b>
MFD01	An Image-Based Approach to Detection of Fake Coins
MFD02	Splicing Image Forgery Detection Using Textural Features Based on the Gray Level Co-occurrence Matrices
<b>S.No</b>	<b>IMAGE DENOISING/DEBLURRING PROJECT TITLES</b>
MID01	Affine Non-local Means Image Denoising
MID02	Beyond a Gaussian Denoiser: Residual Learning of Deep CNN for Image Denoising
MID03	Structure-based Low-Rank Model with Graph Nuclear Norm Regularization for Noise Removal
MID04	L0-Regularized Intensity and Gradient Prior for Deblurring Text Images and Beyond
<b>S.No</b>	<b>IMAGE SEGMENTATION PROJECT TITLES</b>
MIS01	An Adaptive Background Modeling Method for Foreground Segmentation
MIS02	Color-Based Segmentation of Sky/Cloud Images From Ground-Based Cameras

MIS03	Detecting morphological filtering of binary images
MIS04	Learning Spatio-Temporal Information for Multi-Object Tracking
MIS05	Weak Classifier for Density Estimation in Eye Localization and Tracking
<b>S.No</b>	<b>SUPER-RESOLUTION PROJECT TITLES</b>
MSR01	Coarse-to-Fine Learning for Single-Image Super-Resolution
MSR02	Single Image Super-Resolution via Adaptive Transform-Based Nonlocal Self-Similarity Modeling and Learning-Based Gradient Regularization
MSR03	SRLSP: A Face Image Super-Resolution Algorithm Using Smooth Regression with Local Structure Prior
<b>S.No</b>	<b>CBIR PROJECT TITLES</b>
MCBIR01	Discriminative Multi-view Interactive Image Re-ranking
MCBIR02	Neighborhood Matching For Image Retrieval
MCBIR03	Words Matter: Scene Text for Image Classification and Retrieval
<b>S.No</b>	<b>HYPERSPECTRAL IMAGE PROJECT TITLES</b>
MHI01	Effective Denoising and Classification of Hyperspectral Images Using Curvelet Transform and Singular Spectrum Analysis
MHI02	Hierarchical Guidance Filtering-Based Ensemble Classification for Hyperspectral Images
MHI03	Higher Order Dynamic Conditional Random Fields Ensemble for Crop Type Classification in Radar Images
<b>S.No</b>	<b>VIDEO PROCESSING PROJECT TITLES</b>
MVP01	Automatic Detection of 3D Quality Defects in Stereoscopic Videos Using Binocular Disparity
MVP02	Salient object detection with spatiotemporal background priors for video
MVP03	Toward Storytelling From Visual Lifelogging: An Overview