



IEEE 2016-2017 MATLAB TITLES

BE, B.TECH, ME, M.TECH, MSC, MCA PROJECTS

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|-------------------|-------------------|-----------------------|
| Abstract: | Introduction: | Literature Survey: |
| System Analysis: | Existing System: | Disadvantages: |
| Proposed System: | Advantages: | System Requirements: |
| Block Diagram: | Dataflow Diagram: | UML Diagrams: |
| Use Case Diagram: | Class Diagram: | Sequence Diagram: |
| Activity Diagram: | Implementation: | Modules Description: |
| System Study: | System Testing: | Software Description: |
| Sample code: | Conclusion: | References: |

***Complete Document ***

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Development - Training - Academic Projects

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| IMAGE PROCESSING | YEAR |
|---|-------------|
| Data-driven Soft Decoding of Compressed Images in Dual Transform-Pixel Domain | 2016 |
| Double-Tip Artefact Removal from Atomic Force Microscopy Images | 2016 |
| Quaternion Collaborative and Sparse Representation With Application to Color Face Recognition | 2016 |
| Multi-Level Canonical Correlation Analysis for Standard-Dose PET Image Estimation | 2016 |
| Weakly Supervised Fine-Grained Categorization with Part-Based Image Representation | 2016 |
| Robust Visual Tracking via Convolution Networks without Training | 2016 |
| Learning Invariant Color Features for Person Re-Identification. | 2016 |
| A Diffusion and Clustering-based Approach for Finding Coherent Motions and Understanding Crowd Scenes | 2016 |
| Learning Iteration-wise Generalized Shrinkage-Thresholding Operators for Blind Deconvolution | 2016 |
| Image Segmentation Using Parametric Contours With Free Endpoints | 2016 |
| CASAIR: Content and Shape-Aware Image Retargeting and Its Applications | 2016 |
| Statistical performance analysis of a fast super-resolution technique using noisy translations | 2016 |
| Layer-Based Approach for Image Pair Fusion | 2016 |
| Adaptive Part-Level Model Knowledge Transfer for Gender Classification | 2016 |
| Pixel modelling using histograms based on fuzzy partitions for dynamic background subtraction | 2016 |
| INFORMATION / MULTIMEDIA FORENSICS | |
| Lossless Compression of JPEG Coded Photo Collections | 2016 |
| Illuminant -based Transformed Spaces for Image Forensics | 2016 |
| Block-based discrete wavelet transform singular value decomposition image watermarking scheme using human visual system characteristics | 2016 |
| MATLAB Based NEURAL NETWORKS & REMOTE SENSING | |
| Robust Blur Kernel Estimation for License Plate Images from Fast Moving Vehicles | 2016 |
| A Fast Method of Fog and Haze Removal | 2016 |
| Automatic Shadow Detection and Removal from a Single Image. | 2016 |
| Polarimetric SAR Change Detection with the Complex Hotelling– Lawley Trace statistic | 2016 |
| Edge Collapse-Based Dehazing Algorithm for Visibility Restoration in Real Scenes | 2016 |
| MATLAB Based BIOMEDICAL IMAGING | |
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| Novel Accurate and Fast Optic Disc Detection in Retinal Images with Vessel Distribution and Directional Characteristics | 2016 |
| Red Lesion Detection Using Dynamic Shape Features for Diabetic Retinopathy Screening | 2016 |
| Automatic Hookworm Detection in Wireless Capsule Endoscopy Images | 2016 |
| Automatic Brain Tumour Tissue Detection based on Hierarchical Centroid Shape Descriptor in T1-weighted MR images | 2016 |
| Automated Diagnosis of Glaucoma Using Empirical Wavelet Transform and Correntropy Features Extracted from Fundus Images. | 2016 |
| MATLAB Based DIGITAL IMAGE PROCESSING | |
| Statistical Hypothesis Detector for Abnormal Event Detection in Crowded Scenes | 2016 |
| MATLAB Based BIO-METRIC AUTHENTICATION | |
| Automatic Ear Landmark Localization, Segmentation & Pose Classification in Range | 2016 |
| Fingerprint Liveness Detection using Convolutional Neural Networks. | 2016 |

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| A GSA- based Method in Human Identification Using Finger Vein Patterns | 2016 |
| MATLAB based EMBEDDED SYSTEM | |
| Visual-Attention Based background Modelling for Detecting Infrequently Moving Objects | 2016 |
| Static and Dynamic Hand Gesture Recognition in Depth Data Using Dynamic Time | 2016 |
| Sub Markov Random Walk for Image Segmentation | 2016 |
| MATLAB Based SURVEILLANCE & SECURITY SYSTEM | |
| Real Time Vehicle Detection with Foreground based cascade Classifier. | 2016 |
| Visual Object Tracking Performance Measures Revisited. | 2016 |
| Daytime Preceding Vehicle Brake Light Detection Using Monocular Vision | 2016 |
| Red Eye: Preventing Collisions Caused by Red-Light Running Scooters with Smart phones | 2016 |
| Parallel algorithm implementation for multi-object tracking and surveillance | 2016 |
| Computer Vision Based Fire Alarming System. | 2016 |
| MATLAB Based IMAGE ANALYSIS APPLICATIONS | |
| Automatic Crack Detection and Measurement Based on Image Analysis | 2016 |
| Robotic Disease Detection in Greenhouses: Combined Detection of Powdery Mildew and Tomato Spotted Wilt Virus | 2016 |
| Text-Attentional Convolutional Neural Network for Scene Text Detection | 2016 |
| A Cloud- based Reading Aid for the Visually Impaired | 2016 |
| Indian/Myanmar Paper Currency Recognition Using GLCM and k-NN | 2016 |