



**IEEE MATLAB PROJECTS 2016-2017 for M.E/M.TECH/B.E/B.TECH ECE/ MATLAB  
FINAL YEAR STUDENTS**

**IEEE VLSI TITLES 2016-2017 STARTING AT 1500 RS**

| <b>Sl.No</b> | <b>PROJECT TITLES</b>   | <b>YEAR</b> |
|--------------|---|-------------|
| IXML1        | Relative Forest for Visual Attribute Prediction   | 2016-2017   |
| IXML2        | Piecewise Mapping in HEVC Lossless Intra-Prediction Coding  | 2016-2017   |
| IXML3        | Multichannel Decoded Local Binary Patterns for Content-Based Image Retrieval  | 2016-2017   |
| IXML4        | High-Resolution Image Classification Integrating Spectral-Spatial-Location Cues by Conditional Random Fields                    | 2016-2017   |
| IXML5        | Image Coding Using Generalized Predictors Based on Sparsity and Geometric Transformations                                       | 2016-2017   |
| IXML6        | Large Deformation Multiresolution Diffeomorphic Metric Mapping for Multiresolution Cortical Surfaces: A Coarse-to-Fine Approach | 2016-2017   |
| IXML7        | Total Variation Regularized Tensor RPCA for Background Subtraction From Compressive Measurements                                | 2016-2017   |
| IXML8        | SERF: A Simple, Effective, Robust, and Fast Image Super-Resolver From Cascaded Linear Regression                                | 2016-2017   |
| IXML9        | Low-Delay Rate Control for Consistent Quality Using Distortion-Based Lagrange Multiplier  | 2016-2017   |
| IXML10       | Non-Iterative Rigid 2D/3D Point-Set Registration Using Semidefinite Programming   | 2016-2017   |
| IXML11       | Clustered-Dot Screen Design for Digital Multitoning   | 2016-2017   |
| IXML12       | Adaptive Quantization Parameter Cascading in HEVC Hierarchical Coding   | 2016-2017   |

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|        |   |           |
|--------|---|-----------|
| IXML13 | Representation Learning of Temporal Dynamics for Skeleton-Based Action Recognition                                | 2016-2017 |
| IXML14 | Postprocessing of Compressed Images via Sequential Denoising  | 2016-2017 |
| IXML15 | Joint Data Filtering and Labeling Using Gaussian Processes and Alternating Direction Method of Multipliers        | 2016-2017 |
| IXML16 | The Relative Impact of Ghosting and Noise on the Perceived Quality of MR Images                                   | 2016-2017 |
| IXML17 | Multi-Viewpoint Panorama Construction With Wide-Baseline Images   | 2016-2017 |
| IXML18 | Layered Coding for Mobile Cloud Gaming Using Scalable Blinn-Phong Lighting  | 2016-2017 |
| IXML19 | Compressive Sensing Image Restoration Using Adaptive Curvelet Thresholding and Nonlocal Sparse Regularization     | 2016-2017 |
| IXML20 | Defocus Blur-Invariant Scale-Space Feature Extractions  | 2016-2017 |
| IXML21 | Supervised Matrix Factorization Hashing for Cross-Modal Retrieval   | 2016-2017 |
| IXML22 | Semi-Local Scaling Exponent Estimation With Box-Penalty Constraints and Total-Variation Regularization            | 2016-2017 |
| IXML23 | Local Spectral Component Decomposition for Multi-Channel Image Denoising  | 2016-2017 |
| IXML24 | Ontology-Based Semantic Image Segmentation Using Mixture Models and Multiple CRFs                                 | 2016-2017 |
| IXML25 | Classwise Sparse and Collaborative Patch Representation for Face Recognition                                      | 2016-2017 |
| IXML26 | Multiple Kernel Sparse Representation based Orthogonal Discriminative Projection and Its Cost-Sensitive Extension | 2016-2017 |
| IXML27 | Multi-Tissue Decomposition of Diffusion MRI Signals via L0 Sparse-Group Estimation                                | 2016-2017 |

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| IXML28 | Feature Quality Based Dynamic Feature Selection for Improving Salient Object Detection                          | 2016-2017 |
| IXML29 | Single Image Super Resolution using a Joint GMM Method  | 2016-2017 |
| IXML30 | Deep and Structured Robust Information Theoretic Learning for Image Analysis                                    | 2016-2017 |
| IXML31 | Double Low Rank Matrix Recovery for Saliency Fusion   | 2016-2017 |
| IXML32 | Estimation of Gaussian, Poissonian-Gaussian, and Processed Visual Noise and its Level Function                  | 2016-2017 |
| IXML33 | Low-Rank Decomposition Based Restoration of Compressed Images via Adaptive Noise Estimation                     | 2016-2017 |
| IXML34 | Separation Surfaces in the Spectral TV Domain for Texture Decomposition   | 2016-2017 |
| IXML35 | Automatic Reference Color Selection for Adaptive Mathematical Morphology and Application in Image Segmentation  | 2016-2017 |
| IXML36 | Backward Registration Based Aspect Ratio Similarity (ARS) for Image Retargeting Quality Assessment              | 2016-2017 |
| IXML37 | Blind Image Quality Assessment based on High Order Statistics Aggregation                                       | 2016-2017 |
| IXML38 | Computationally Efficient Truncated Nuclear Norm Minimization for High Dynamic Range Imaging                    | 2016-2017 |
| IXML39 | Blind Deblurring and Denoising of Images Corrupted by Unidirectional Object Motion Blur and Sensor Noise        | 2016-2017 |
| IXML40 | Video Extrapolation Method Based on Time-Varying Energy Optimization And CIP                                    | 2016-2017 |
| IXML41 | Joint Low-Rank and Sparse Principal Feature Coding for Enhanced Robust Representation and Visual Classification | 2016-2017 |
| IXML42 | A Compressive Multi-Frequency Linear Sampling Method for Underwater Acoustic Imaging                            | 2016-2017 |

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| IXML43 | Antipodally Invariant Metrics for Fast Regression-Based Super-Resolution              | 2016-2017 |
| IXML44 | Instance-Aware Hashing for Multi-Label Image Retrieval                                | 2016-2017 |
| IXML45 | An Optical Flow-Based Full Reference Video Quality Assessment Algorithm               | 2016-2017 |
| IXML46 | Face Aging Effect Simulation Using Hidden Factor Analysis Joint Sparse Representation | 2016-2017 |
| IXML47 | Contrast Driven Elastica for Image Segmentation                                       | 2016-2017 |
| IXML48 | Fast and Provably Accurate Bilateral Filtering  | 2016-2017 |
| IXML49 | Text-Attentional Convolutional Neural Network for Scene Text Detection                | 2016-2017 |
| IXML50 | Cross-View Action Recognition via Transferable Dictionary Learning                    | 2016-2017 |

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