

PROJECTS FOR DIGITAL SIGNAL PROCESSING AND DIGITAL IMAGE PROCESSING

S.NO.	PROJECT NAME
1.	A Fusion Approach for Efficient Human Skin Detection
2.	A Single Image Enhancement using Inter-channel Correlation
3.	Contrast Enhancement Using Dominant Brightness Level Analysis and Adaptive Intensity Transformation for Remote Sensing Images
4.	Adaptive Steganalysis of Least Significant Bit Replacement in Grayscale Natural Images.
5.	Remote-Sensing Image Denoising Using Partial Differential Equations and Auxiliary Images as Priors
6.	A Single Image Enhancement using Inter-channel Correlation.
7.	Adaptive Steganalysis of Least Significant Bit Replacement in Grayscale Natural Images
8.	Feature Extraction of Currency Notes An Approach Based on Wavelet Transform
9.	Removal of High Density Salt and Pepper Noise Through Modified Decision Based Unsymmetrical Trimmed Median Filter.
10.	Motion and feature based person tracking in surveillance videos
11.	Image Retrieval Based on Multi-Feature Similarity Score Fusion Using Genetic Algorithm
12.	Generic Lossless Visible Watermarking—A New Approach.
13.	A new and efficient algorithm for the removal of high density salt and pepper noise in images and videos
14.	A Robust Algorithm for Shadow Removal of Foreground Detection In Video Surveillance
15.	An Adaptive Steganographic Technique Based on Integer Wavelet Transform
16.	A Two-Level FH-CDMA Scheme for Wireless Communication Systems over Fading Channels.
17.	A Fast Adaptive Kalman Filtering Algorithm for Speech Enhancement
18.	IMAGE Resolution Enhancement by Using Discrete and Stationary Wavelet Decomposition.
19.	Quality Assessment of Deblocked Images.
20.	Super-Resolution Method for Face Recognition Using Nonlinear Mappings on Coherent Features
21.	Combined Invariants to Similarity Transformation and to Blur Using Orthogonal Zernike Moments.
22.	Data Hiding in Motion Vectors of Compressed Video Based on Their Associated Prediction Error.
23.	A High Capacity CDMA watermarking Scheme based on orthogonal pseudo random sequence subspace projection.
24.	Stationary and Non-Stationary noise removal from Cardiac Signals using a Constrained Stability Least Mean Square Algorithm.
25.	Number Plate Recognition for Use in Different Countries Using an Improved Segmentation
26.	Adaptive Overlap-and-Add Technique in MB-OFDM based UWB Receiver Design

27.	Fast Sparse Image Reconstruction Using Adaptive Nonlinear Filtering
28.	Adaptive Active Constellation extension Algorithm For Peak-To-Average Ratio Reduction In OFDM
29.	Compress Compound Images in H.264/MPGE-4 AVC by Exploiting Spatial Correlation
30.	PAPR Analysis of DHT-Precoded OFDM System for M-QAM
31.	An Edge Guided Image Interpolation Algorithm via Directional Filtering and Data Fusion
32.	Lossless Visible Water Marking by using Translucent & Opaque Monochrome Methods
33.	A wavelet based de-noising of the electroencephalogram (EEG) signal to correct for the presence of the ocular artifact (OA).
34.	Adaptive bilateral filter for sharpness enhancement and noise removal
35.	Adaptive DS-CDMA Receiver with Code Tracking in Phase Unknown Environments
36.	ECG signal denoising and baseline wander correction based on the empirical Mode decomposition
37.	Development of a Novel Voice Verification System using Wavelets
38.	Adaptive Fuzzy Filtering for Artifact Reduction in Compressed Images and Videos
39.	Preamble-based SNR Estimation in Frequency Selective Channels for Wireless OFDM Systems
40.	Identification of inpainted images and natural images for digital forensics
41.	A Robust Image Watermarking using Two Level DCT and Wavelet Packets Denoising
42.	An Automatic Wavelet Based- Nonlinear Image Enhancement Technique for Aerial Imagery.
43.	Comparison and improvement of wavelet-based image fusion
44.	A Unified Relevance Feedback Framework for Web Image Retrieval
45.	Reversible Data Hiding Based on Histogram Modification of Pixel Difference
46.	Effective Fuzzy Clustering Algorithm for Abnormal MR Brain Image Segmentation
47.	Image retrieval using both color and texture features
48.	DWT-SVD based Dual Watermarking Scheme
49.	Investigation of Fault-Tolerant Adaptive Filtering for Noisy ECG Signals
50.	Non-parametric linear time-invariant system identification by discrete wavelet transforms
51.	Direct Sequence Spread spectrum using MATLAB Simulation
52.	Image Enhancement Using Histogram Specification & Equalization
53.	Slow Frequency Hopped Spread spectrum Implementation using MATLAB Simulation
54.	To find Signal Short-time Energy and Zero Crossing Rate Using MATLAB Simulation
55.	Frequency-Shifted Reference Ultra-Wideband Wireless Communications System Simulation using MATLAB
56.	OPTICAL RECOGNIZATION SYSTEM
57.	Speech Coding Using Sub-Bands
58.	Signal Adaptive Sub-band Decomposition for Adaptive Noise Cancellation
59.	morphological operations for image processing
60.	IRIS Recognition System
61.	Implementation of the Automatic image segmentation using Wavelet transform code
62.	color histogram Based Image classification in CBIR

63.	A Spatial median filter for noise removal in digital images
64.	Multi-Wavelets for Different Images
65.	BIOMETRIC INSPIRED DIGITAL IMAGE STEGANOGRAPHY
66.	VISUAL CRYPTOGRAPHY USING D-H METHOD
67.	Synthetic Aperture Radar Signal Processing
68.	Wi-Max DL waveform Basic PUSC with Preamble Boosting
69.	Use of color Image to secure Text Message Watermarking using The Wavelet Techniques for Denoising
70.	Image Enhancement in Frequency Domain
71.	A Novel Method for Color Face Recognition using KNN Classifier
72.	An Improved Visual Cryptography scheme for secret hiding
73.	A Novel method for Data Recognition (Numbers & Text) Based on Image Segmentation and Extraction
74.	Data hiding in Audio Signal by using Graphical User Interface
75.	Image Retrieval using both Color and Texture Features
76.	A Robust Image Watermarking using Two Level DCT and Wavelet Packets Denoising
77.	An Improved Implementation of Brain tumor Detection using Soft Computing.
78.	Color Image Enhancement with a Human Visual System Based Adaptive Filter.
79.	Data Embedding in Scrambled Digital Video.
80.	Development of Medical Image Compression Techniques
81.	On Embedding of Text in Audio- A case of Steganography
82.	Reversible and high-capacity data hiding in medical images.
83.	A DWT based Approach for Steganography Using Biometrics
84.	Wavelet Based Palm print Authentication System
85.	Dual BandPassFilter Design using a Novel Feed Scheme
86.	Oversampling to reduce the effect of Timing jitter on high speed OFDM System.
87.	An efficient Wavelet based noise elimination and compression of ECG signal and Diagnosis using probabilistic Neural Network
88.	Acoustic Echo cancellation algorithm tolerable for Double talk.
89.	Image encryption by using binary key image.
90.	Face recognition by using MATLAB
91.	Effective fuzzy clustering algorithm for abnormal MR brain.
92.	Multi camera tracking of articulated human motion using shape and motion.
93.	Try color attenuation of shadow detection.
94.	Robust image watermarking using particle swarm optimization.
95.	Adaptive bilateral filter for sharpness enhancement and noise elimination.
96.	Content based image retrieval using texture feature based on pyramidal structure.
97.	Research and implementation of data hiding by using RSA and HVS.
98.	Personal authentication using hand vein triangulation and knuckle shape.
99.	Images blur reduction for cell phone cameras via adaptive tonal correction.
100.	Fingerprint image enhancement and performance evaluation using stft.
101.	Stereography using bpcs to the integer wavelet transformed image

102.	Face segmentation using skin color map in video phone images
103.	Color image enhancement with a hvs based adaptive filter.
104.	Satellite image enhancement using dwt and svd.
105.	Data hiding in audio signal by using DSSP
106.	Dual band band-pass filter design using a novel feed scheme
107.	A Method for Automatic Image Registration Through Histogram-Based Image Segmentation (HARIS)
108.	Image denoising using median filter.
109.	A New Image Fusion Scheme Based on Wavelet Transform
110.	Distinctive Image Features from Scale-Invariant Key points
111.	A Survey on Pixel-Based Skin Color Detection Techniques by using MATLAB
112.	IMAGE Resolution Enhancement by Using Discrete and Stationary Wavelet Decomposition.
113.	Digital Image Watermarking Using Localized Bi-orthogonal Wavelets.
114.	Optical character recognition system by using MATLAB.
115.	Auto Audio Equalizer Using Digital Signal Analysis using MATLAB.
116.	Adaptive Noise Canceling (ANC) applied to Fetal Electrocardiography.
117.	Speech compression using wavelet transform
118.	Speech encryption and decryption by using MATLAB.
119.	Speech recognition using MATLAB.
120.	Preamble-based SNR Estimation in Frequency Selective Channels for Wireless OFDM Systems.