MATLAB Projects

I. MATLAB based on INFORMATION/MULTIMEDIAFORENSICS

1. An enhanced Robust Histogram Method for Biometric watermarking **(IEEE 2015).**
2. Channel Capacity Analysis and Watermarking in Audio Signals using Spread Spectrum **(IEEE 2015).**
3. A robust Reversible Watermarking Technique for Enabling Data Trust in Cyber, Physical, and Social Computing **(IEEE2015).**
4. Novel unsighted watermarking and robust Data Hiding scheme for H.264 video streams **(IEEE 2015).**

II. MATLAB based on NEURAL NETWORKS &REMOTE SENSING

1. A novel method for Change Detection in Homogeneous and Heterogeneous Images **(IEEE 2015).**
2. Wavelet Transform based Automatic License Plate Identification Using Artificial Neural Network **(IEEE 2015).**
3. Efficient Fog removal technique for Driving Assistance **(IEEE2015).**
4. A robust method of Image Fuzzy Clustering Based on the Region-Level Markov Random Field Model **(IEEE 2015).**
5. Haze Removal in Single Image Using Color Attenuation Prior Algorithm **(IEEE2015).**
6. Efficient shadow detection and removal method based on local color constancy computation **(IEEE 2015).**

IEEE 2015

III. MATLAB based on BIOMEDICAL IMAGING

1. Efficient Coding for Sparse Dissimilarity and Glaucoma Screening analysis **(IEEE 2015).**
2. A Robust method for Automatic Polyp Detection in Wireless Capsule Endoscopy Images **(IEEE 2015).**
3. Characterizing Red Blood cells using an automated method for counting based on mathematical morphology **(IEEE 2015).**
4. Blood Vessel Segmentation for Hybrid Region Information with Application to Retinal Images **(IEEE 2015).**

IV. MATLAB based on DIGITAL IMAGE PROCESSING

1. Enhanced Human Action Recognition based on Structural Learning **(IEEE 2015).**
2. Detecting Anomalies in Video during Surveillance **(IEEE 2015).**

V. MATLAB based on BIO-METRIC AUTHENTICATION

1. Contour matching for ear recognition **(IEEE 2015).**
2. Robust facial expression recognition **(IEEE 2015).**
3. Unique Identification-Iris recognition **(IEEE2015).**
4. Efficient algorithm for biometric system **(IEEE 2015).**

VI. MATLAB based on EMBEDDED SYSTEM

1. Automatic abandoned object detection in dual foreground (**IEEE 2015**)

   [**Device Based**]

2. Recognizing gestures by estimate the hand movements (**IEEE2015**)

   [**Device Based**]

VII. MATLAB based on SURVEILLANCE AND SECURITYSYSTEM

1. Human action detection and recognition **(IEEE2015).**
2. Robust object tracking in surveillance **(IEEE 2015).**
3. Moving object tracking in surveillance and security system **(IEEE 2015).**
4. Robust fire detection methods **(IEEE 2015).**
5. Visual object tracking **(IEEE 2015).**
6. Motion vector estimation of video surveillance **(IEEE 2015).**

VIII. MATLAB based on IMAGE ANALYSIS APPLICATIONS

1. Currency recognition system **(IEEE 2015).**
2. Automatic Detection and Extraction of artificial text in image **(IEEE 2015).**
3. Scene text detection and recognition (**IEEE2015).**
4. Energy readying meter design embedded based approach **(IEEE 2015).**