

## 2016-2017 EMBEDDED PROJECTS LIST

S.NO	PROJECT TITLE	VERTICAL
1.	A SECURITY-ENHANCED ALIGNMENT-FREE FUZZY VAULT-BASED FINGERPRINT CRYPTOSYSTEM USING PAIR-POLAR MINUTIAE STRUCTURES	BIOMETRICS
2.	DISTANCE-BASED ENCRYPTION: HOW TO EMBED FUZZINESS IN BIOMETRIC-BASED ENCRYPTION	BIOMETRICS
3.	FINGERPRINT LIVENESS DETECTION FROM SINGLE IMAGE USING LOW-LEVEL FEATURES AND SHAPE ANALYSIS	BIOMETRICS
4.	FINGERPRINT LIVENESS DETECTION USING CONVOLUTIONAL NEURAL NETWORKS	BIOMETRICS
5.	IRIS RECOGNITION BASED ON HUMAN-INTERPRETABLE FEATURES	BIOMETRICS
6.	SUSPECTING LESS AND DOING BETTER: NEW INSIGHTS ON PALMPRINT IDENTIFICATION FOR FASTER AND MORE ACCURATE MATCHING	BIOMETRICS
7.	AGING FACE RECOGNITION: A HIERARCHICAL LEARNING MODEL BASED ON LOCAL PATTERNS SELECTION	FACE RECOGNITION
8.	COMPLEMENTARY COHORT STRATEGY FOR MULTIMODAL FACE PAIR MATCHING	FACE RECOGNITION
9.	FACIAL SKETCH SYNTHESIS USING TWO-DIMENSIONAL DIRECT COMBINED MODEL-BASED FACE-SPECIFIC MARKOV NETWORK	FACE RECOGNITION
10.	CLASS-WISE SPARSE AND COLLABORATIVE PATCH REPRESENTATION FOR FACE RECOGNITION	FACE RECOGNITION
11.	LOCAL-GRAVITY-FACE ( <i>LG-FACE</i> ) FOR ILLUMINATION-INVARIANT AND HETEROGENEOUS FACE RECOGNITION	FACE RECOGNITION

12.	<b>ROBUST POINT SET MATCHING FOR PARTIAL FACE RECOGNITION</b>	<b>FACE RECOGNITION</b>
13.	<b>A PATCH-BASED APPROACH FOR THE SEGMENTATION OF PATHOLOGIES: APPLICATION TO GLIOMA LABELLING</b>	<b>MEDICAL IMAGE PROCESSING</b>
14.	<b>AN AUTOMATIC LEARNING-BASED FRAMEWORK FOR ROBUST NUCLEUS SEGMENTATION</b>	<b>MEDICAL IMAGE PROCESSING</b>
15.	<b>COMPUTER AIDED THERAGNOSIS USING QUANTITATIVE ULTRASOUND SPECTROSCOPY AND MAXIMUM MEAN DISCREPANCY IN LOCALLY ADVANCED BREAST CANCER</b>	<b>MEDICAL IMAGE PROCESSING</b>
16.	<b>ON COMBINING MULTIPLE-INSTANCE LEARNING AND ACTIVE LEARNING FOR COMPUTER-AIDED DETECTION OF TUBERCULOSIS</b>	<b>MEDICAL IMAGE PROCESSING</b>
17.	<b>REAL-TIME AUTOMATIC ARTERY SEGMENTATION, RECONSTRUCTION AND REGISTRATION FOR ULTRASOUND-GUIDED REGIONAL ANAESTHESIA OF THE FEMORAL NERVE</b>	<b>MEDICAL IMAGE PROCESSING</b>
18.	<b>RECOGNIZING FOCAL LIVER LESIONS IN CEUS WITH DYNAMICALLY TRAINED LATENT STRUCTURED MODELS</b>	<b>MEDICAL IMAGE PROCESSING</b>
19.	<b>RED LESION DETECTION USING DYNAMIC SHAPE FEATURES FOR DIABETIC RETINOPATHY SCREENING</b>	<b>MEDICAL IMAGE PROCESSING</b>
20.	<b>A PATCH-BASED APPROACH FOR THE SEGMENTATION OF PATHOLOGIES: APPLICATION TO GLIOMA LABELLING</b>	<b>MEDICAL IMAGE PROCESSING</b>
21.	<b>FAST AND PROVABLY ACCURATE BILATERAL FILTERING</b>	<b>IMAGE PROCESSING</b>
22.	<b>HUMAN VISUAL SYSTEM-BASED SALIENCY DETECTION FOR HIGH DYNAMIC RANGE CONTENT</b>	<b>IMAGE PROCESSING</b>
23.	<b>ILLUMINANT-BASED TRANSFORMED SPACES FOR IMAGE FORENSICS</b>	<b>IMAGE PROCESSING</b>

24.	<b>WEAKLY SUPERVISED FINE-GRAINED CATEGORIZATION WITH PART-BASED IMAGE REPRESENTATION</b>	<b>IMAGE PROCESSING</b>
25.	<b>LEARN SPARSE DICTIONARIES FOR EDIT PROPAGATION</b>	<b>IMAGE PROCESSING</b>
26.	<b>LEARNING OF MULTIMODAL REPRESENTATIONS WITH RANDOM WALKS ON THE CLICK GRAPH</b>	<b>IMAGE PROCESSING</b>
27.	<b>MISALIGNED IMAGE INTEGRATION WITH LOCAL LINEAR MODEL</b>	<b>IMAGE PROCESSING</b>
28.	<b>MULTISCALE EDGE DETECTION USING A FINITE ELEMENT FRAMEWORK FOR HEXAGONAL PIXEL-BASED IMAGES</b>	<b>IMAGE PROCESSING</b>
29.	<b>NONCONVEX NONSMOOTH LOW RANK MINIMIZATION VIA ITERATIVELY REWEIGHTED NUCLEAR NORM</b>	<b>IMAGE PROCESSING</b>
30.	<b>NON-LOCAL AUTO-ENCODER WITH COLLABORATIVE STABILIZATION FOR IMAGE RESTORATION</b>	<b>IMAGE PROCESSING</b>
31.	<b>ONE-CLASS WRITER-INDEPENDENT OFFLINE SIGNATURE VERIFICATION USING FEATURE DISSIMILARITY THRESHOLDING</b>	<b>SIGNATURE VERIFICATION</b>
32.	<b>PERCEPTUAL VISUAL SECURITY INDEX BASED ON EDGE AND TEXTURE SIMILARITIES</b>	<b>SIGNATURE VERIFICATION</b>
33.	<b>ROBUST IMAGE HASHING WITH RING PARTITION AND INVARIANT VECTOR DISTANCE</b>	<b>SIGNATURE VERIFICATION</b>
34.	<b>SALIENT REGION DETECTION VIA HIGH-DIMENSIONAL COLOR TRANSFORM AND LOCAL SPATIAL SUPPORT</b>	<b>SIGNATURE VERIFICATION</b>
35.	<b>IMAGE PROCESSING (ACTION RECOGNITION)</b>	<b>SIGNATURE VERIFICATION</b>
36.	<b>SIMPLE TO COMPLEX TRANSFER LEARNING FOR ACTION RECOGNITION</b>	<b>SIGNATURE VERIFICATION</b>

37.	<b>A COMPLETELY BLIND VIDEO INTEGRITY ORACLE</b>	<b>VIDEO PROCESSING</b>
38.	<b>AN APPROACH TO STREAMING VIDEO SEGMENTATION WITH SUB-OPTIMAL LOW-RANK DECOMPOSITION</b>	<b>VIDEO PROCESSING</b>
39.	<b>PATCH-BASED VIDEO DENOISING WITH OPTICAL FLOW ESTIMATION</b>	<b>VIDEO PROCESSING</b>
40.	<b>SURVEILLANCE VIDEO SYNOPSIS VIA SCALING DOWN OBJECTS</b>	<b>VIDEO PROCESSING</b>