

MATLAB & OPEN CV Projects [Image Processing, ML, DL, AI & Signal Processing]

Project Code	Project Titles	Technology
PANDSP001	An application of spotting of unexpected accidents under bad CCTV monitoring conditions in danger areas using Deep convolutional neural network Alex net	Artificial Intelligence
PANDSP002	Finding disease in human is Pneumonia on Chest X-Rays Using Deep learning	Artificial Intelligence
PANDSP003	Finding Different kinds of Dogs with the help of Neural Network Family	Deep learning
PANDSP004	Predicting of leaf diseases and pests' detection based on deep learning	Artificial Intelligence
PANDSP005	A Novel Technique for Effective Image Gallery Search using Content Based Image Retrieval System	Security
PANDSP006	Food Recognition challenge using images of various foods with Deep Features	Deep Learning
PANDSP007	A Deep Learning Approach for Arabic Text Classification	Deep Learning
PANDSP008	Finding of covid-19 disease in human x-ray images by neural network and XG BOOSTER classifier	Open CV
PANDSP009	Detecting for Forensic applications using Deep Learning Based Person Authentication Using Hand Radiographs	Deep Learning
PANDSP010	Finding person with Helmet Detection for MVD using Deep learning	Deep Learning
PANDSP011	Person action recognition on Face using by YOLOV3 family and Texture Features	Open CV
PANDSP012	Analyze Generative Adversarial Network for Texture Preserving Image Denoising	GAN
PANDSP013	Detecting with more efficient and Recognition of Dirty Vehicle Plate Numbers for High-Speed Applications	Open CV
PANDSP014	Use visual cryptography to detect the data hiding process by open source computer vision	Security Image Processing
PANDSP015	Searching Fish-Eye Images by Adversarial Training-Based Hard Example Mining for Pedestrian Detection	Machine learning
PANDSP016	Real time Vehicle Detection with Images Taken from Unmanned Air Vehicle in critical area	Image Processing
PANDSP017	Visual Cryptography doing with qr code analysis	Security
PANDSP018	Classification of Flowers in parking area by Deep neural Network based Transfer Learning	Deep Learning

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PANDSP019	Human Identification from Freestyle Walks using Posture-Based Gait Feature	Image Processing
PANDSP020	Handwritten Passwords for Touchscreen Biometrics in business applications	Open CV
PANDSP021	Fog Removal Using Enhanced Cycle Consistent Adversarial Networks with the help of End to end ares	Image Processing
PANDSP022	Automatic bird sound detection in long range field recordings using Wavelets & Mel filter bank features	Image Processing
PANDSP023	Speech Recognition from the human being by deep neural network	Speech Image Processing
PANDSP024	LSB Color Image Embedding Steganography Based on Cyclic Chaos	Image Processing And Security
PANDSP025	Real Time Implementation of Speech Steganography	Image Processing And Security
PANDSP026	An Approach to Secure Data Transmission Through the Use of Cryptography and Steganography	Image Processing And Security
PANDSP027	Retrieving the images from the large amount of database and get efficient output parameters	Image Processing
PANDSP028	detection and classification of COVID-19 Cases Using CNN with X-rays figures	Deep learning
PANDSP029	An Enhanced 3-Tier Multimodal Biometric Authentication	Matlab And Biometric And Security
PANDSP030	Analysis of Character Dimensions in Vehicle Number Plates	Image Processing
PANDSP031	Performance Evaluation of Robust Watermarking Using DWT-SVD and RDWT-SVD	Security with image processing
PANDSP032	Copy Move Forgery Detection with Quadtree Decomposition Segmentation	Image Processing
PANDSP033	Semantic Segmentation of Brain Tumor from MRI Images and DNN Classification using GLCM Features	Medical application
PANDSP034	Automatic Counting of Infected White Blood Cells Using Multi-Level Thresholding	Medical application
PANDSP035	Identifying the behavior, the person in different situations using MATLAB	Image Processing

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PANDSP036	Detecting retinopathy in blood vessels with the help of segmentation in retinal area	Medical image processing
PANDSP037	compression of audio with the help of transformation and encoding methods	Audio Image Processing
PANDSP038	Detecting of stone area in kidney using trendy algorithm of Neural network family with segmentation	Image Processing
PANDSP039	Finding duplicate currency notes of India by identify the 4 important areas in note	MATLAB
PANDSP040	Classification of human by age and gender using artificial neural network	Image Processing
PANDSP041	Hyperspectral Image Classification Using Training Sample Augmentation With Generative Adversarial Networks	SATILITE Image Processing
PANDSP042	Image Transmission Technique via Secret-Fragment-Visible Mosaic Images by Nearly Reversible Colour Transformations	Matlab
PANDSP043	OTP based Cardless Transaction using ATM	Python
PANDSP044	KT-GAN: Knowledge-Transfer Generative Adversarial Network for Text-to-Image Synthesis	Deep Learning
PANDSP045	Portable Camera-Based Assistive Text and Product Label Reading from Hand-Held Objects for Blind Persons	Open CV
PANDSP046	Real-Time Vehicle Detection from Captured Images	Image Processing
PANDSP047	Research on Headlight Technology of Night Vehicle Intelligent Detection Based on Hough Transform	Image Processing
PANDSP048	Restoration of Underwater Distorted Image Sequence Based on Generative Adversarial Network	Deep Learning
PANDSP049	COVID- A Tailored Deep Convolutional Neural Network Design for Detection of COVID-19 Cases From Chest CT Images	Deep Learning
PANDSP050	Stain normalization of histopathology images using generative adversarial networks	Deep Learning
PANDSP051	Transfer Learning For Videos: From Action Recognition To Sign Language Recognition	Transfer Learning
PANDSP052	Dog and Cat Classification using convolutional neural network	Deep Learning
PANDSP053	Virtual Drum Set using Open CV using deep learning	Deep Learning

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PANDSP054	Image Classification with large amount of data set in python	Python
PANDSP055	Edge Detection Analysis and Clustering based Approach for Real Time Text Detection	Image Processing
PANDSP055	Speech Enhancement Based on Approximate Message Passing	Speech Image Processing
PANDSP056	Restoration Of Cataract Fundus Images Via Unsupervised Domain Adaptation	Image Processing
PANDSP057	Optical Character Recognition using py-Tesseract and Classification	Tesseract
PANDSP058	Continuous Authentication of Wearable Device Users from Heart Rate, Gait, and Breathing Data	Image Processing
PANDSP059	Improved Scheme for Reversible Data Hiding for Encrypted Images using Interpolation Technique	Opecv-Security
PANDSP060	A stereo vision measurement system Based on Open CV	Open CV
PANDSP061	Real-time Gender Recognition Based on 3D Human Body Shape for Human-Robot Interaction	Open CV
PANDSP062	Real - time system for shape extraction from an image	Image Processing
PANDSP063	Image Enhancement for Tuberculosis Detection Using Deep Learning	Deep Learning
PANDSP064	GreenSea: Visual Soccer Analysis Using Broad Learning System	Artificial Intelligence
PANDSP065	A Study on Sports Player Tracking based on Video using Deep Learning	Deep Learning
PANDSP066	Person re-identification through face detection from videos using Deep Learning	Deep Learning
PANDSP067	Automatic Electricity Meter Reading Based on Image Processing	Image Processing
PANDSP068	Research on bank intelligent video image processing and monitoring control system based on OpenCV	Image Processing
PANDSP069	Heart Rate Estimation using Hermite Transform Video Magnification and Deep Learning*	Deep Learning
PANDSP070	Pain Detection from Facial Videos Using Two-Stage Deep Learning	Image Processing
PANDSP071	Fight Recognition in Video Using Hough Forests and 2D Convolutional Neural Network	Deep Learning

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PANDSP072	Real time Vehicle Detection with Images Taken from Unmanned Air Vehicle in critical area	Image Processing
PANDSP073	A Practical Animal Detection and Collision Avoidance System Using Computer Vision Technique	Image Processing
PANDSP074	BCI-Controlled Assistive Manipulator: Developed Architecture and Experimental Results	Image Processing
PANDSP075	Audio recapture detection using deep learning	Deep Learning
PANDSP076	Audio Based Drone Detection and Identification using Deep Learning	Deep Learning
PANDSP077	Multiclass Spoken Language Identification for Indian Languages using Deep Learning	Image Processing
PANDSP078	Egg weight prediction and egg size classification using image processing and machine learning	Image Processing
PANDSP079	Automated pig counting using deep learning	Deep Learning
PANDSP080	Music Mood Detection Based On Audio And Lyrics With Deep Neural Net	Deep Learning
PANDSP081	Implementation of mobile platform using Qt and OpenCV for image processing applications	Image Processing
PANDSP082	Classification of sports videos with combination of deep learning models and transfer learning	Deep Learning
PANDSP083	Machine Learning based Image Processing Techniques for Satellite Image Analysis -A Survey	Machine Learning and Image Processing
PANDSP084	Foot shape classification methods based on image processing for shoe manufacturing	Image Processing
PANDSP085	Deep Learning for PET Image Reconstruction	Deep Learning
PANDSP086	Weed Identification Using Deep Learning and Image Processing in Vegetable Plantation	Image Processing
PANDSP087	Objective Analysis of Neck Muscle Boundaries for Cervical Dystonia Using Ultrasound Imaging and Deep Learning	Deep Learning
PANDSP088	Coconut Disease Prediction System Using Image Processing and Deep Learning Techniques	Deep Learning
PANDSP089	Automatic Classification of Cervical Cells Using Deep Learning Method	Image Processing

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PANDSP090	Predicting body measures from 2D images using Convolutional Neural Networks	Deep Learning
PANDSP091	Machine Learning Algorithm for Stroke Disease Classification	Image Processing
PANDSP092	Classification of Digital Dental X-ray Images Using Machine Learning	Image Processing
PANDSP093	Optical Footprint Image Recognition Algorithm Based on Metric Learning and SVM	Image Processing
PANDSP094	Deep Learning Based Dog Behavioural Monitoring System	Deep Learning
PANDSP095	The SLT 2021 Children Speech Recognition Challenge: Open Datasets, Rules and Baselines	Image Processing