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CODE	TITLE	DESCRIPTION	
VTPML01	A Multi-classifier Framework for Detecting Spam and Fake Spam Messages in Twitter	Twitter Spam, Twitter Ham, Multi classifier, Classification, Naive Bayesian algorithm.	
VTPML02	Traffic Prediction for Intelligent Transportation System using Machine Learning	Traffic Environment, Deep Learning, Machine Learning, Genetic Algorithms, Soft Computing, Big Data, Image Processing	
VTPML03	Supervised Machine Learning Algorithms for Credit Card Fraud Detection: A Comparison	Credit Card, Credit Card Fraud, Machine Learning, Supervised Learning, Naive Bayes.	(5)
VTPML04	Machine Learning based Rainfall Prediction	Multiple Linear Regression, rainfall, prediction, machine learning, accuracy	E LEARNING
VTPML05	Crop Yield Prediction Using Deep Reinforcement Learning Model for Sustainable Agrarian Applications	Crop yield prediction, deep recurrent Q-network, deep reinforcement learning, intelligent agrarian application	- MACHINE
VTPML06	Performance Analysis of Hoeffding and Logistic Algorithm for Churn Prediction in Telecom Sector	Churn, Cross-Validation, classifier performance evaluator, Hoeffding algorithm, Logistic algorithm.	<b>IEEE 2020</b>
VTPML07	Machine Learning based Predicting House Prices using Regression Techniques	House price, lasso regression, ridge regression, regression methods	
VTPML08	An Accurate Prediction of MPG (Miles Per Gallon) using Linear Regression Model of Machine Learning	MPG, Origin, RMSE, Data Ingestion, Data Preprocessing, EDA, Model Training, Linear Regression.	
VTPML09	Predicting Clinical Re-admission using Discharge Summaries (PCRUDS)	Electronic medical/health record (EMR) format, Natural language processing, Covid-19 data	

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CODE	TITLE	DESCRIPTION	
VTPML10	Identification of COVID-19 spreaders using multiplex networks approach	Complex networks, complex systems, COVID-19, multiplex networks, optimization, social networks	<b>2020</b> - E LEARNING
VTPML11	Emotional Analysis using Twitter Data during Pandemic Situation: COVID-19	COVID-19; Coronavirus; emotions; Twitter; tweets	MACHINE
VTPAI01	Detection of Possible Illicit Messages Using Natural Language Processing and Computer Vision on Twitter and Linked Websites	CNN, features detection, image classification, natural language processing, SVM	
VTPAI02	Outlier Detection in Indoor Localization and Internet of Things (IoT) using Machine Learning	Internet of things, localization, outliers, outlier's detection.	INCE
VTPAI03	Evolution of Machine Learning Algorithms on Autonomous Robots	Hardware-software Integration, Autonomous Robotics, Robot Operating System, Object Detection, Machine Learning	- INTELLIGE
VTPAI04	An overview of Machine Learning Technologies and their use in E- learning	E-learning, Technology Enhanced Learning Environments, Data, Learners' traces, Machine Learning, Deep Learning	ARTIFICIA
VTPAI05	Data Poison Detection Schemes for Distributed Machine Learning	Distributed machine learning, data poison detection, resource allocation, Cross-learning mechanism	IEEE 2020 -
VTPAI06	The Role of Blockchain to Fight Against COVID-19	COVID-19, SARS-CoV-2, Blockchain, DLT, Smart Contract, Pandemic	
VTPAI07	Artificial Intelligence-based E- commerce Platform based on SaaS and Neural Networks	Artificial intelligence; E-commerce; Ecommerce, Neural networks, E-commerce Platform	



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VTPAI08	Behavioral Biometrics for Continuous Authentication in the Internet of Things Era: An Artificial Intelligence Perspective	Behavioral Biometric, Continuous Authentication, Data Mining, Internet of Things, Artificial Intelligence, Constrained Devices, Body Area Networks, Cyber-Physical Systems	
VTPAI09	Enhancing College Chat Bot Assistant with the Help of Richer Human Computer Interaction and Speech Recognition	Chat Bot, College bots, Interactive bots, Dialogue based bots, NLP, Text based bots	
VTPAI10	Medbot: Conversational Artificial Intelligence Powered Chatbot for Delivering Tele-Health after COVID-19	Telehealth, chatbot, Natural Language Processing, medbot, Natural Language understanding, conversational technology.	TELLIGENCI
VTPAI11	Smart Assistant Robot for Smart Home Management	Smart Assistant Robot, Internet of Things, Smart home, Mycroft AI, Speech Recognition, Face Recognition	TIFICIAL IN
VTPAI12	Deep Learning Based Program Generation from Requirements Text: Are We There Yet?	Software Requirements, Code Generation, Deep Learning, Data Set	<b>E 2020</b> - AF
VTPAI13	Controlling Mouse Motions Using Eye Tracking Using Computer Vision	Computer vision, human-computer interface, D-lib, MAR, EAR	H
VTPAI14	VISION- Wearable Speech Based Feedback System for the Visually Impaired using Computer Vision	Computer vision, object detection, visually impaired, text recognition, camera module, audio jack, Raspberry Pi	
VTPDL01	Deep Learning Approach for Suspicious Activity Detection from Surveillance Video	Suspicious activity, video surveillance, deep learning, Convolutional Neural Network	020 - RNING
VTPDL02	Image-Based Plant Disease Detection: A Comparison of Deep Learning and Classical Machine L earning Algorithms	Machine Learning, crop diseases, Deep Learning	IEEE 2( DEEP LEA





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CODE	IIILE	DESCRIPTION	
VTPDL03	An Individual model for Human Activity Recognition Using Transfer Deep Learning	Transfer learning, deep learning, 1D-convolutional neural network, human activity recognition, classification	
VTPDL04	Convolutional Neural Network based Autism Classification	Convolution Neural Network, Autism Spectrum Disorder (ASD), ResNet- 50 architecture, Deep learning.	
VTPDL05	Deep Learning Model for Identifying Snakes by using Snakes' Bite Marks	Venom Snakes, Snake Bites, Deep Learning, CNN Model, Snakes Classification	EARNING
VTPDL06	Social Image Sentiment Analysis by Exploiting Multimodal Content and Heterogeneous Relations	Multi-modal sentiment analysis, social image, network information, attention mechanism	20 - DEEP L
VTPDL07	Person Re-identification by Multi- scale Feature Representation Learning with Random Batch Feature Mask	Person Re-identification, deep learning, attention mechanisms, multi-scale feature learning, random batch feature mask	IEEE 20
VTPDL08	Neural Text Segmentation and Its Application to Sentiment Analysis	Fuzzy Enhancement, image contrast, image process, image collecting	
VTPIP01	Deep Convolutional Neural Network for Double-Identity Fingerprint Detection	Sensor signals processing, biometrics, deep CNN, double-identity fingerprint, fingerprint recognition, patch-based learning	DCESSING
VTPIP02	A New Composite Multimodality Image Fusion Method Based on Shearlet Transform and Retina Inspired Model	Image fusion, MRI, Non-subsampled Shearlet transform, PET, Retina Inspired Model.	IMAGE PRC
VTPIP03	An Improved Fuzzy Algorithmic Approach Applying on Medical Image to Improve the Contrast	Fuzzy enhancement, image contrast, image process, image collecting	IEEE 2020 -

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CODE	TITLE	DESCRIPTION	
VTPIP04	Advanced Traffic Violation Control and Penalty System using IoT and Image Processing Techniques	RFID tag, RFID detector, Image Processing, GSM, Database	
VTPIP05	Computer Based Diagnosis of Malaria in Thin Blood Smears Using Thresholding Based Approach	Image processing, Zach Thresholding, Adaptive Median Filter, Malaria classification, thin blood slide	
VTPIP06	Computer vision-based identification of abnormal tissues in biomedical images	Computer Vision, MRI Images, Textured Features, Brain Tumor, Artificial Neural Networks	OCESSING
VTPIP07	Optical Footprint Image Recognition Algorithm Based on Metric Learning and SVM	Footprint identification; DTCWT; metric learning, Support Vector Machine	- IMAGE PR
VTPIP08	Manipulation Detection in Satellite Images Using Deep Belief Networks	Independent Component Analysis, mean square error, DBN	IEEE 2020
VTPIP09	Tiny-YOLO object detection supplemented with geometrical data	Object detection, neural network, data fusion, Dataset, model, augmentation	
VTPIP10	Handwritten Telugu Compound Character Prediction using Convolutional Neural Network	Telugu Character Prediction, Deep Learning, Handwritten Letter prediction	
VTPNLP01	Real Time Machine Translation System for English to Indian language	Natural Language Processing (NLP), Neural Machine Translation (NMT), OpenNMT	<b>020 -</b> GE PROCESSING
VTPNLP02	Natural Language Processing for the Job Portal Enhancement	NLP, job, portal, candidates, CV, Natural Language Tool Kit (NLTK), preprocessing	IEEE 20 NATURAL LANGUA



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CODE	TITLE	DESCRIPTION	د ا
VTPNLP03	Deep Learning Techniques for Part of Speech Tagging by Natural Language Processing	POS Tagset, Deep Learning, LSTM cell, Bi-LSTM, comparison.	AGE PROCESSIN
VTPNLP04	Using NLP and Machine Learning to Detect Data Privacy Violations	Privacy Violations, Machine Learning, NLP, Personally Identifiable Information	TURALIANGU
VTPNLP05	A Study on Natural Language Processing Classified News	Web crawler, NLP, machine learning, news classification, social networks	IEEE 2020 - NA

