

**S. No    ARTIFICIAL INTELLIGENCE PROJECT TITLE**

TTS AI1      Data-Driven Early Diagnosis of Chronic Kidney Disease: Development and Evaluation of an Explainable AI Model

TTS AI2      AI-Based Stroke Disease Prediction System Using ECG and

PPG Bio-Signals TTS AI3    An AI-Based Medical Chatbot Model for

Infectious Disease Prediction TTS AI4      Influence of Anthropomorphic

Agent on Human Empathy Through Games

TTS AI5      Distributed Real-Time Object Detection Based on Edge-Cloud Collaboration for Smart Video Surveillance Applications

TTS AI6      Explainable Artificial Intelligence Applications in Cyber Security: State-of-the-Art in Research

TTS AI7      Explainable Artificial Intelligence Applications in Cyber Security: State-of-the-Art in Research

TTS AI8      Context-Aware and Click Session-Based Graph Pattern Mining With Recommendations for Smart EMS Through AI

TTS AI9      Time-Weighted Cumulative LSTM Method Using Log Data for Predicting Credit Card Customer Turnover

TTS AI10     KTI-RNN: Recognition of Heart Failure from Clinical Notes

TTS AI11     An overview of data integration in neuroscience with focus on

Alzheimer's Disease TTS AI12      Human Activity Recognition Based on Deep-

Temporal Learning Using Convolution

Neural Networks Features and Bidirectional Gated Recurrent Unit With Features Selection

TTS AI13     Characterization of Synthetic Health Data Using Rule-Based Artificial

Intelligence Models TTS AI14      A Hierarchical Intrusion Detection Model

Combining Multiple Deep Learning Models With Attention Mechanism

- TTS AI15 Analysis-Based Optimization of Temporal Dynamic Convolutional Neural Network for Text-Independent Speaker Verification
- TTS AI16 An Improved Tropospheric Tomographic Model Based on Artificial Neural Network
- TTS AI17 Community Detection Algorithms in Healthcare Applications: A Systematic Review
- TTS AI18 Satellite Image Classification Using a Hybrid Manta Ray Foraging Optimization Neural Network
- TTS AI19 Reversible data hiding in encrypted images with secret sharing and hybrid coding
- TTS AI20 Entropy-Aware Similarity for Balanced Clustering: A Case Study With Melanoma Detection
- TTS AI21 SDOT: Secure Hash, Semantic Keyword Extraction, and Dynamic Operator Pattern-Based Three-Tier Forensic Classification Framework
- TTS AI22 Human Pose Estimation Using Thermal Images
- TTS AI23 DeepRetention: A Deep Learning Approach for Intron Retention Detection
- TTS AI24 RF-PSSM: A Combination of Rotation Forest Algorithm and Position-Specific Scoring Matrix for Improved Prediction of Protein-Protein Interactions Between Hepatitis C Virus and Human
- TTS AI25 An Improved Lightweight Yolo-Fastest V2 for Engineering Vehicle Recognition Fusing Location Enhancement and Adaptive Label Assignment
- TTS AI26 RadioPathomics: Multimodal Learning in Non-Small Cell Lung Cancer for Adaptive Radiotherapy

- TTS AI27 An Ensemble Learning Based Intrusion Detection Model for Industrial IoT Security
- TTS AI28 Enhancement Economic System Based-Graph Neural Network in Stock Classification
- TTS AI29 Recommendation System Based on Deep Sentiment Analysis and Matrix Factorization
- TTS AI30 Static-Dynamic Temporal Networks for Parkinson's Disease Detection and Severity Prediction
- TTS AI31 Traffic Processing Model of Big Data Base Station Based on Hybrid Improved CNN Algorithm and K-Centroids Clustering Algorithm
- TTS AI32 Deep Learning of Sparse Patterns in Medical IoT for Efficient Big Data Harnessing
- TTS AI33 A High-Quality Rice Leaf Disease Image Data Augmentation Method Based on a DualGAN
- TTS AI34 Big Data ML-Based Fake News Detection Using Distributed Learning
- TTS AI35 Real-Time Analytics: Concepts, Architectures, and ML/AI Considerations
- TTS AI36 DeepMist: Toward Deep Learning Assisted Mist Computing Framework for Managing Healthcare Big Data
- TTS AI37 Deep Transfer Learning Strategy to Diagnose Eye-Related Conditions and Diseases: An Approach Based on Low-Quality Fundus Image
- TTS AI38 Automated Image Annotation With Novel Features Based on Deep ResNet50-SLT
- TTS AI39 Detection of Apple Plant Diseases Using Leaf Images Through Convolutional Neural Network
- TTS AI40 FaceIDP: Face Identification Differential Privacy via Dictionary Learning Neural Networks
- TTS AI41 CT Lung Nodule Segmentation: A Comparative Study of Data Preprocessing and Deep Learning Models

- TTSAI42 When Age-Invariant Face Recognition Meets Face Age Synthesis: A Multi-Task Learning Framework and a New Benchmark
- TTSAI43 Modality Specific CBAM-VGGNet Model for the Classification of Breast Histopathology Images via Transfer Learning
- TTSAI44 Semantic Segmentation of Fish and Underwater Environments Using Deep Convolutional Neural Networks and Learned Active Contours
- TTSAI45 Pansharpening Based on Adaptive High-Frequency Fusion and Injection Coefficients Optimization
- TTSAI46 Deep Regression Network With Sequential Constraint for Wearable ECG Characteristic Point Location
- TTSAI47 Artificial Intelligence and Biosensors in Healthcare and Its Clinical Relevance: A Review
- TTSAI48 Ship Detection Based on Faster R-CNN Using Range-Compressed Airborne Radar Data
- TTSAI49 Deep Convolutional Network Based Machine Intelligence Model for Satellite Cloud Image Classification
- TTSAI50 TransU2-Net: A Hybrid Transformer Architecture for Image Splicing Forgery Detection
- TTSAI51 An Innovative Approach to Electrical Motor Geometry Generation Using Machine Learning and Image Processing Techniques
- TTSAI52 KTFE $v$ 2: Multimodal Facial Emotion Database and Its Analysis
- TTSAI53 An Improved Dense CNN Architecture for Deepfake Image Detection
- TTSAI54 Vision Transformers for Vein Biometric Recognition

- TTS AI55 A Lightweight Attention-Based Convolutional Neural Networks for Fresh-Cut Flower Classification
- TTS AI56 YOLOv5-Based Model Integrating Separable Convolutions for Detection of Wheat Head Images
- TTS AI57 Pixel-Level Face Image Quality Assessment for Explainable Face Recognition
- TTS AI58 A Survey on Synthetic Biometrics: Fingerprint, Face, Iris and Vascular Patterns
- TTS AI59 DAMNet: Dual Attention Mechanism Deep Neural Network for Underwater Biological Image Classification
- TTS AI60 Learning From Multiple Expert Annotators for Enhancing Anomaly Detection in Medical Image Analysis
- TTS AI61 EBAT: Enhanced Bidirectional and Autoregressive Transformers for Removing Hairs in Hairy Dermoscopic Images
- TTS AI62 Deep Learning-Based Image Registration in Dynamic Myocardial Perfusion CT Imaging
- TTS AI63 Artificial Intelligence Technology in the Agricultural Sector: A Systematic Literature Review
- TTS AI64 Automated Molecular Subtyping of Breast Carcinoma Using Deep Learning Technique
- TTS AI65 Compressive Wavelet Domain Deep CNN for Image Classification Using Genetic Algorithm Based Sensing Mask Learning
- TTS AI66 Reversible Data Hiding Method for Interpolated Images Based on Modulo Operation and Prediction-Error Expansion
- TTS AI67 Toward Deep-Learning-Based Methods in Image Forgery Detection: A Survey

- TTSIAI68 Malaria Disease Cell Classification With Highlighting Small Infected Regions
- TTSIAI69 Enhanced Text-to-Image Synthesis With Self-Supervision
- TTSIAI70 Secure Medical Image Communication Using Fragile Data Hiding Based on DiscreteWavelet Transform and A5 Lattice Vector Quantization
- TTSIAI71 Deep Learning in Cervical Cancer Diagnosis: Architecture, Opportunities, and OpenResearch Challenges
- TTSIAI72 Deep Learning-Based Multiscale Pyramid Sieve and Analysis Module in ImageSegmentation
- TTSIAI73 A Novel Image Cryptosystem Inspired by the Generation of Biological Protein Sequences
- TTSIAI74 A Deep Learning-Based Experiment on Forest Wildfire Detection in Machine VisionCourse
- TTSIAI75 Deep Cleaner—A Few Shot Image Dataset Cleaner Using Supervised ContrastiveLearning
- TTSIAI76 A High-Quality Rice Leaf Disease Image Data Augmentation Method Based on a DualGAN
- TTSIAI77 Hyperspectral Image Classification: An Analysis Employing CNN, LSTM, Transformer,and Attention Mechanism
- TTSIAI78 Assessing the Ability of Generative Adversarial Networks to Learn Canonical MedicalImage Statistics
- TTSIAI79 FieldPlant: A Dataset of Field Plant Images for Plant Disease Detection and ClassificationWith Deep Learning
- TTSIAI80 Classification of Liver Fibrosis From Heterogeneous Ultrasound Image

TTSIAI81 Multiscale Adaptive Fusion Network for Hyperspectral

Image Denoising

TTSIAI82 Modified Salp Swarm Algorithm With Deep Learning Based Gastrointestinal Tract

Disease Classification on Endoscopic Images

TTSIAI83 Improving Image Compression With Adjacent Attention and

Refinement Block

TTSIAI84 Building Detection From Panchromatic and Multispectral Images

With Dual-Stream Asymmetric Fusion Networks

TTSIAI85 Noise-Against Skeleton Extraction Framework and Application on Hand Gesture Recognition

TTSIAI86 An Underwater Target Wake Detection in Multi-Source Images Based on Improved YOLOv5

TTSIAI87 Spatial Context-Aware Object-Attentional Network for Multi-Label

Image Classification

TTSIAI88 An Integrated Image Encryption Scheme Based on Elliptic Curve

TTSIAI89 Class-Adaptive Data Augmentation for Image

Classification

TTSIAI90 Low-Light Image Enhancement Using a Simple

Network Structure

TTSIAI91 Multi-Level Residual Feature Fusion Network for Thoracic Disease

Classification in Chest X-Ray Images

TTSIAI92 Image Generation and Recognition Technology Based on Attention

Residual GAN

- TTS AI93 Detecting COVID-19 From Lung Computed Tomography Images: A Swarm Optimized Artificial Neural Network Approach
- TTS AI94 A Deep Ensemble Learning-Based CNN Architecture for Multiclass Retinal Fluid Segmentation in OCT Images
- TTS AI95 AlzheimerNet: An Effective Deep Learning Based Proposition for Alzheimer's Disease Stages Classification From Functional Brain Changes in Magnetic Resonance Images
- TTS AI96 Application of X-Ray Imaging and Convolutional Neural Networks in the Prediction of Tomato Seed Viability
- TTS AI97 Text-Guided Image Manipulation via Generative Adversarial Network With Referring Image Segmentation-Based Guidance
- TTS AI98 A Comprehensive Review of Deep Learning-Based Real-World Image Restoration
- TTS AI99 Framework for Illumination Estimation and Segmentation in Multi-Illuminant Scenes
- TTS AI100 An SIFT-Based Fast Image Alignment Algorithm for High-Resolution Image
- TTS AI101 Urinary Stones Segmentation in Abdominal X-Ray Images Using Cascaded U-Net Pipeline With Stone-Embedding Augmentation and Lesion-Size Reweighting Approach