LIST OF ABBREVIATION

MRI	-	Magnetic Resonance Imaging
CT	-	Computed Tomography
PET	-	Position Emission Tomography
CR	-	Computerized Radiography
DR	-	Digital Radiography
PSNR	-	Peak Signal to Noise Ratio
MSE	-	Mean Square Error
RMSE	-	Root Mean Square Error
UQI	-	Universal Quality Index
SSIM	-	Structural Similarity Index Measure
WM	-	White Matter
GM	-	Grey Matter
CSF	-	Cerebrospinal Fluid
T1WI	-	T1 Weighted Imaging
T2WI	-	T2 Weighted Imaging
FLAIR	-	Fluid Attenuated Inversion Recovery
DWI	-	Diffusion Weighted Imaging
GRE	-	Gradient Echo Imaging
NLM	-	Non Local Means
DWT	-	Discrete Wavelet Transform
SVM	-	Support Vector Machine
GLCM	-	Gray-Level Co-occurrence Matrix
CS	-	Cuckoo Search
CSA	-	Cuckoo Search Algorithm
IDM	-	Inverse Different Moment
Se	-	Sensitivity
Sp	-	Specificity
PPV	-	Positive Predictive Value
NPV	-	Negative Predictive Value
ACC	-	Accuracy

TYA	-	Managing Teenage/Young Adult
PACS	-	Picture Archiving And Communication System
IRM	-	Interference Reflection Microscopy
MCA	-	Morphological Component Analysis
CLAHE	-	Contrast Limited Adaptive Histogram Equalization
BPDHE	-	Brightness Preserving Dynamic Histogram Equalization
ADNet	-	Attention-guided Deformable Convolutional Network
DnCNN	-	Denoising Convolutional Neural Networks
IRCNN	-	Inception-Recurrent Convolutional Neural Network
CAM	-	Class Activation Mapping
CBCT	-	Cone Beam Computed Tomography
PSO	-	Particle swarm optimization
GA	-	Genetic Algorithm
LSHADE	-	History-Based Adaptive Differential Evolution With Linear Population Size Reduction
WOA	-	Whale Optimization Algorithm
SCA	-	Sine Cosine Algorithm
HHO	-	Harris Hawks Optimization
EO	-	Equilibrium Optimization
DB Index	-	Davies-Bouldin Index
SD Index	-	Scattering Distance Index
MRFO-OBL	-	Manta Ray Foraging Optimization Opposition-Based Learning
GWO	-	Grey Wolf Optimization
CMA-ES	-	Covariance Matrix Adaptation Evolution Strategy
MCE	-	Minimum Cross Entropy
ELM	-	Extreme Learning Machine
MLPBPN	-	Multi-Layer Perceptron Back Propagation Neural Network
PHOG	-	Pyramid Histogram of Oriented Gradients
KSVM-SSD	-	Kernel Support Vector Machine Social Ski Driver