Micro Grid (MG)

Machine Learning (ML)

Deep Learning (DL)

Supervised Learning (SL)

Unsupervised Learning (UL)

Reinforcement Learning (RL)

Artificial Neural Network (ANN)

Convolutional Neural Networks (CNN)

Recurrent Neural Networks (RNN)

Natural Language Processing (NLP)

Markov Decision Process (MDP)

Neural Network NN

Monte Carlo (Monte Carlo)

Temporal Difference (TD)

Deep Q-Learning (DQN)

Stochastic Gradient Descent (SGD)

Advance Actor Critic (A2C)

Deep Deterministic Policy Gradient (DDPG)

Trust Region Policy Optimization (TRPO)

Proximal Policy Optimization (PPO)

Game Theory (GT)

Energy Management System (EMS)

unit commitment (UC)

distributed energy resources (DERs)

distributed generation units (DG)

Energy Storage System (ESS)

Transmission and distribution (T&D)

VSI (Voltage source inverter)

Distribution Network Operator (DNO),

Microgrid Central Controller (MGCC)

Local Controllers (LC)