LIST OF ABBREVIATONS

AGC	:	Automatic Generation Control
GA	:	Genetic Algorithm
P_c	:	Probability of Crossover
Pm	:	Probability of Mutation
Popsize	:	Population Size
FLC	:	Fuzzy Logic Controller
trimf	:	Triangular Membership Function
PID	:	Proportional Integral Derivative
FIS	:	Fuzzy Inference System
T_t	:	Turbine Time Constant
T_g	:	Governor Time Constant
H	:	Generator Inertia Constant
R	:	Governor Speed Regulation
Kg	:	Gain of Governor
Kp	:	Power System Gain
DPd	:	Disturbance on Generator Side
Δf	:	Frequency Deviation
$d/dt(\Delta f)$	:	Derivative of Frequency Deviation
ISE	:	Integral Square Error
ISO	:	Independent system operator

Mp	:	Peak Overshoot
ts	:	Settling time
mfs	:	Membership function
Psize	:	Population Size
DPM	:	Disco Partition Matrix