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## LIST OF ABBREVIATIONS AND SYMBOLS

AHP	Analytical Hierarchy Process
AIRM	Aggregated Indices Randomization Method
BCC	Banker, Charnes, and Cooper
CI	Consistency Index
CR	Consistency Ratio
COPRAS-G	Complex proportional assessment of alternatives with grey relations
DEA	Data Envelopment Analysis
DEMATEL	Decision Making Trial and Evaluation Laboratory
DM	Decision Maker
ELECTRE	Elimination and Choice Translation Reality
EV	Eigenvector
F	Fair
FAHP	Fuzzy Analytical Hierarchy Process
FDEMATEL	Fuzzy Decision Making Trial and Evaluation Laboratory
FMCDM	Fuzzy Multi criteria Decision-Making
FNIS	Fuzzy Negative Ideal Solution
FPIS	Fuzzy Positive Ideal Solution
FSAW	Fuzzy Simple Additive Weighting
FSROWA	Fuzzy-Stochastic-Revised Ordered Weighted Averaging
FTOPSIS	Fuzzy Technique for Order of Preference by Similarity to Ideal Solution
FWAP	Fuzzy Weighted Product Model
G	Good
GDM	Group Decision Making
GP	Goal Programming
H	High
IRDA	Insurance Regulatory and Development Authority of India
L	Low
M	Medium
MADM	Multi Attribute Decision-Making

MCDM	Multiple Criteria Decision-Making
MCGDM	Multi Criteria Group Decision Making
MF	Membership Function
MODM	Multi Objective Decision-Making
NIS	Negative Ideal Solution
P	Poor
PIS	Positive Ideal Solution
PROMETHEE	Preference Ranking Organisation Method for Enrichment Evaluations
RI	Random Index
SAW	Simple Additive Weighting
SBM	<i>Sacks-Based Measure of efficiency</i>
TOPSIS	Technique for Order of Preference by Similarity to Ideal Solution
ULIP	Unit linked insurance plans
VG	Very Good
VH	Very High
VIKOR	Vise Kriterijumska Optimizacija I Kompromisno Resenje
VL	Very Low
VP	Very Poor
WPM	Weighted Product Model
WSM	Weighted Sum Model
$\lambda_{max}$	Principle Eigen value
$\mu$	Membership Grade
ANN	Artificial Neural Network
ANFIS	Adaptive Neuro-Fuzzy Inference System
NN	Neural Network
BP	Back Propagation
FIS	Fuzzy Inference System
MLP	Multilayer Perceptron
TS-FS	Takagi-Sugeno Fuzzy System
GMDH	Group Method of Data Handling

FDfRC	Female Diabetic Fuzzy Risk Classifier
RBF	Radial Basis Function
MNN	Modular Neural Network
GA	Genetic Algorithm
PSO	Particle Swarm Optimization
MF	Membership Function
RMSE	Root Mean Squared Error
LMA	Levenberg-Marquardt Algorithm
DLS	Damped Least Squares
BMI	Body Mass Index
MSE	Mean Square Error
R	Regression
CG	Conjugate Gradient
SRM	Structural Risk Maximization
SVM	Support Vector Machine
ROC	Receiving Operating Characteristic Graph
AUC	Area under Curve
RBF	Radial Basis Function
PNN	Probabilistic Neural Network
MLNN	Multi-Layer Neural Network