Index

Advertisement Cost, 9
Alternative Hypothesis, 33
ANOVA Test, 34
Beta Distribution, 32
Centroid of the Fuzzy Number, 46
Concave Function, 29
Constraints, 4
Continuous Probability Distribution, 30
Convex Combination, 29
Convex Function, 29
Convex Set, 29
Credibility Measure, 44
Crisp Environment, 10
Crisp Set, 29
Critical Region, 33

Demand, 5
Direct Inventories, 5
Discount Policy, 7
Discrete Probability Distribution, 30
Disposal Cost, 9

Exponential Distribution, 31

Fisher’s ‘t’ Test, 33
FPGA, 63
Fuzzy Differential Equation, 46
Fuzzy Environment, 10
Fuzzy Extension Principle, 46
Fuzzy Function, 36
Fuzzy Number, 36
Fuzzy Programming Technique, 51
Fuzzy Riemann Integral, 47
Fuzzy Rough Variable, 50
Fuzzy Set, 36

Fuzzy-Rough Set, 49
Fuzzy-Stochastic Environment, 10

GA, 61
Genetic Algorithm, 55
GFN, 38
Green Supply Chain, 7
GRG, 53

Holding Cost, 9
Idle Cost, 9
Imperfect Production, 6
Indirect Inventories, 5
Inflation, 10
Inspection Error, 6
Inspection/Screening Process, 6
Interval, 40
Interval-valued Fuzzy Numbers, 40
Interval-valued Fuzzy Set, 41
Inventory, 5
Inventory Cost, 8

Learning Effect, 7
Lower Approximation, 49

MOGA, 65

Necessity Measure, 42
Null Hypothesis, 33

Objectives, 4

OR, 3

Possibility Measure, 42
Probability Space, 30
Production, 6
Production Cost, 8
Purchase Cost, 8
Rework Cost, 8
Rework Policy, 6
Rough Set, 49
Screening/Inspection Cost, 8
Seikida Derivative, 46
Setup Cost, 9
Shortage Cost, 9
Statistical Hypothesis, 33
Stochastic Environment, 10
Supply Chain Model, 7

TFN, 37
Time Horizon, 9
Time Value of Money, 10
TriFN, 37
Two Warehouse, 8

Uniform Distribution, 31
Upper Approximation, 49

Warranty Cost, 9
Warranty Policy, 7

Zadeh’s Extension Principle, 46