

## LIST OF ABBREVIATIONS

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<b>Symbols</b>	<b>Full Form</b>
ADA	American Diabetes Association
AHP	Analytic Hierarchy Process
CI	Consistency Index
CLD	Causal Loop Diagram
CODP	Customer Order Decoupling Point
COPS	Chronic Obstructive Pulmonary Disease
CR	Consistency Ratio
DFSS	Design for Six Sigma
DM	Diabetes Mellitus
DMAIC	Define Measure Analyze Improve and Control
DOT	Directly Observed Treatment
EFQM	European Foundation for Quality Management
GDM	Gestational Diabetes Mellitus
GDP	Gross Domestic Product
GRBS	Glucometer Random Blood Sugar
GSCM	Global Supply Chain Matrix
ICT	Internet and Communication Technologies
IDF	International Diabetes Federation
IFG	Impaired Fasting Glucose
IGT	Impaired Glucose Tolerance
IPHS	Indian Public Health Standards
ISM	Interpretative Structural Modeling
MAUT	Multi-Attribute Utility Theory
MDS	Multi-Dimensional Scaling
MICMAC	Matriced' Impacts Croise's Multiplication Appliquée a UN Classement
MTO	Make to Order
MTS	Make to Stock
NABH	National Accreditation Board for Hospital and Healthcare Provider
NGO	Non-Government Organization
NRHM	National Rural Health Mission
OOP	Out of Pocket
OPD	Out Patient Department
PCA	Principal Component Analysis
PDCA	Plan Do Check Act
PSM	Priority Score Matrix
RI	Random Index
SCP	Supply Chain Partnership
SD	System Dynamics
SFD	Stock and Flow Diagram
SPSS	Statistical Package for Social Science
SSIM	Structural Self-interaction Matrix
T2D	Type 2 Diabetes
TB	Tuberculosis
TRBM	Two-Step Rule-Based Method

## LIST OF SYMBOLS

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<b>Symbols</b>	<b>Description</b>
$N'$	Pooled Demand
$\sigma$	Uncertainty
Q	Quality
D	Delivery
P	Price
F	Flexibility
X	Other Aspects
$Stock_{final}$	Stock Final
$Stock_{initial}$	Stock Initial
DT	Step Size
CONS	Consultancy
HOSP	Hospital
FOOT	Foot Care
EYE	Eye Care
MNT	Medical Nutrition
EXE	Exercise
NPD	Neuropathy Detection
PAT	Pathology
MED	Medicine
DEDN	Diabetes Education
U(a)	Utility of Component
{a, b, c...}	Component of Diabetes Management
q	Criteria for Component
$W_j$	Weight of jth Attribute of a Component
D	Distance
R	Radius of Earth
lat	Latitude
long	Longitude
i,j,k	Nodes
N	Total number of Nodes
$d_{ij}$	Distance between nodes
$U_i$	Sequence of Travel
$x_{ij}$	1 if vehicle travel between nodes
$R_i$	Rank
$\lambda_{max}$	Maximum Eigen Value
E1,E2,...E5	Priority Vector for an Expert
CAT1	Antidiabetic
CAT2	Insulin
CAT3	Lipid Lowering
CAT4	Antiarrhythmic
CAT5	Antihypertensive
CAT6	Heart Failure

CAT7	Antithrombotic
CAT8	Nursing Aids
CAT9	Footwear
CAT10	Assistive Technology
CAT11	Food Supplement
U(X)	Overall Utility
$\alpha_{ij}$	Part-worth Contribution
$k_j$	Number of Level of Attribute
m	Number of Attributes
$\rho$	Spearman Correlation Coefficient
t	t-statistics
V1	Quality of Clinical Care
V2	Quality of Investigation
V3	Cost of Medicine
V4	Length of Stay
V5	Professional Flexibility
V6	Practitioner's Attitude
V7	Administrative Staff's Attitude
V8	Waiting Time
V9	Facility Availability
V10	Access
V11	Grievance Handling Time
V12	Medical Record Keeping
V13	Hospital Infection Control
V14	Privacy
V15	Waste Disposal Policy
V16	Process Flexibility
V17	Cost of Consultancy
V18	Cost of Investigation
$F_i$	Estimate of ith factor
$W_{ij}$	Factor Score Coefficient
K	Number of Variables
V	component i influence the component j
A	component i is influenced by the component j
X	component i and j influence each other
O	component i and j don't influence each other