

List of Figures

Figure 1: Digital transformation from Industry 3.0 to 4.0	4
Figure 2: Industry 4.0 technologies.....	22
Figure 3 Five step review process.....	26
Figure 4 PRISMA process.....	27
Figure 5 Quality assessment scores.....	30
Figure 6 Growth of publication over years.	31
Figure 7 Research output across countries.....	31
Figure 8 Research themes.	32
Figure 9 Research theme growth across years.	32
Figure 10 Research Interest across manufacturing sectors.	33
Figure 11 Data analysis methods.	46
Figure 12 The T-O-E framework.	56
Figure 13 Conceptual Framework for empirical study	63

List of Tables

Table 1 Overview of publication sources.....	30
Table 2 Most frequently used adoption models	34
Table 3 Glossary of adoption models.....	35
Table 4 Seminal papers using the glossary of adoption models.....	36
Table 5 Models and their determinants	46
Table 6 A summary of relevant T-O-E papers	59
Table 7 Most frequently used determinants of T-O-E	60
Table 8 Final constructs of the conceptual framework	62
Table 9 Constructs for empirical study	65
Table 10 Constructs, abbreviations and items.....	73
Table 11 Empirical study variables	78
Table 12 Items and their sources	82
Table 13 CVR Cut off values.....	83
Table 14 Item wise CVR.....	84
Table 15 Item wise Cronbach alpha values.....	86
Table 16 Sample frame segments.....	88
Table 17 Target Respondents	93
Table 18 Respondent categorization	94
Table 19 Respondent profile	94
Table 20 Item wise response descriptive statistics.....	95
Table 21 Multicollinearity check and VIF Values.....	98
Table 22 PCA-Pattern matrix and Factor loadings	99
Table 23 Component correlations	102
Table 24 Overall model Cronbach alpha value.....	102
Table 25 Variables in the equation table.....	109
Table 26 Model summary and Pseudo R Squares	110
Table 27 Classification table	112
Table 28 Hosmer-Lemeshow goodness of fit	113
Table 29 Appendix 1 communalities	167
Table 30 Appendix 2 Total variance explained.....	168
Table 31 Appendix 3 Logistic regression dataset.....	169
Table 32 Appendix 4 Classification table including constant.....	169
Table 33 Appendix 5 Overall model with only constant	170

Table 34 Appendix 6 Model without variables	170
Table 35 Appendix 7 Model coefficients	171
Table 36 Appendix 8 step wise log likelihood and R square	171
Table 37 Appendix 9 Contingency table for H-L test	173
Table 38 Appendix 10 Classification table	174
Table 39 Appendix 11 Model if item removed.	175

LIST OF ABBREVIATIONS

AI	:	Artificial intelligence
BD	:	Big Data
CP	:	Compatibility
DFTP	:	M Dual factor and technology paradox model
Dol	:	Diffusion of innovation
FS	:	Firm Size
IDT	:	Innovation Diffusion THEory
IIOT	:	Industrial internet of things
IoT	:	Internet of things
IR	:	Internationalization readiness
ISSM	:	Information systems success model
IT	:	Information Intensity
ITF	:	Institutional theory framework
ITMA	:	International Textile Machinery Association
MATH	:	Model of adoption of technology of households
PDB	:	Perceived direct benefits
PFC	:	Perceived financial cost
PIB	:	Perceived indirect benefits
PRISMA	:	Preferred Reporting Items for Systematic Reviews and Meta-Analyses
RS	:	Regulatory support
SCOT	:	Social construction of technology theory
TAM	:	Technology adoption model
TEXPROCIL	:	The Cotton Textiles Export Promotion Council
T-O-E	:	Technology-organization-environment
TPB	:	Theory of planned behaviour
TPP	:	Trading partner pressure
UGT	:	User gratification theory
URT	:	User resistance theory
UTAUT	:	Unified theory of acceptance and use of technology
VAM	:	Value addition model