APPENDICES

Factor Analysis

Communalities

Table 29 Appendix 1 communalities

	Initial	Extraction
PDB1	1.000	.943
PDB2	1.000	.943
PDB3	1.000	.959
PDB4	1.000	.959
PIB1	1.000	.906
PIB2	1.000	.943
PIB3	1.000	.981
PIB4	1.000	.981
PIB5	1.000	.943
PIB6	1.000	.981
CP1	1.000	.834
CP2	1.000	.885
CP3	1.000	.812
FS1	1.000	.916
FS2	1.000	.869
FS3	1.000	.906
PFC1	1.000	.879
PFC2	1.000	.915
PFC3	1.000	.885
IR1	1.000	.984
IR2	1.000	.984
IR3	1.000	.941
TPP1	1.000	.910
TPP2	1.000	.955
TPP3	1.000	.960
IT1	1.000	.870
IT2	1.000	.864
IT3	1.000	.813
RS1	1.000	.924
RS2	1.000	.871

Extraction Method: Principal component analysis

Total Variance explained.

Table 30 Appendix 2 Total variance explained.

	Initial Eigenvalues			Extraction Sums of Squared Loadings		
Component	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
2	5.487	18.290	49.499	5.487	18.290	49.499
3	3.244	10.814	60.314	3.244	10.814	60.314
5	2.131	7.102	76.920	2.131	7.102	76.920
6	1.354	4.515	81.435	1.354	4.515	81.435
11	.458	1.527	95.104	1.177	3.923	85.358
9	.870	2.899	91.730	.870	2.899	91.730
10	.554	1.847	93.578			
14	.218	.727	98.319			
12	.396	1.321	96.425			
13	.350	1.167	97.592			
17	.076	.252	99.326			
15	.130	.432	98.751			
16	.097	.324	99.074			
20	.039	.129	99.807			
18	.062	.205	99.531			
19	.044	.147	99.678			
23	.011	.037	99.982			
21	.023	.077	99.884			
22	.018	.060	99.945			
26	.000	.000	100.000			
25	1.853E-017	6.176E-017	100.000			
29	-1.760E-016	-5.866E-016	100.000			
28	-5.692E-017	-1.897E-016	100.000			
30	-2.220E-016	-7.401E-016	100.000			

Logistic Regression

[DataSet1] /Users/rajan/Desktop/SPSS-TOE.sav

Case Processing Summary

Table 31 Appendix 3 Logistic regression dataset

Unweighted Cases[a]		N	Percent
Selected Cases	Included in Analysis	152	99.3
	Missing Cases	1	.7
	Total	153	100.0
Unselected Cases		0	.0
Total		153	100.0

a. If weight is in effect, see classification table for the total number of cases.

Classification Table[a,b]

Table 32 Appendix 4 Classification table including constant.

Predicted

				AD	PercentageCorrect
Observed			0	1	
Step 0	AD	0	0	56	.0
		1	0	96	100.0
	Overall Percentage				63.2

a. Constant is included in the model.

b. The cut value is .500.

Variables in the Equation

Table 33 Appendix 5 Overall model with only constant

	B	S.E.	Wald	df	Sig.	Exp(B)
Step 0 Constant	.539	.168	10.275	1	.001	1.714

Table 34 Appendix 6 Model without variables

			Score	df	Sig.
Step 0	Variables	PDB	2.997	1	.083
		PIB	15.660	1	.000
		CP	1.813	1	.178
		FS	21.919	1	.000
		PFC	63.832	1	.000
		IR	5.262	1	.022
		TPP	9.950	1	.002
		IT	47.545	1	.000
		RS	2.030	1	.154
	Overall Statistics		102.548	9	.000

Omnibus Tests of Model

Table 35 Appendix 7 Model coefficients

		Chi-square	df	Sig.
Step 1	Step	73.700	1	.000
	Block	73.700	1	.000
	Model	73.700	1	.000
Step 2	Step	34.714	1	.000
	Block	108.415	2	.000
	Model	108.415	2	.000
Step 3	Step	15.521	1	.000
	Block	123.936	3	.000
	Model	123.936	3	.000

Step 4	Step	8.935	1	.003
	Block	132.870	4	.000
	Model	132.870	4	.000
Step 5	Step	5.344	1	.021
	Block	138.214	5	.000
	Model	138.214	5	.000
Step 6	Step	6.226	1	.013
	Block	144.440	6	.000
	Model	144.440	6	.000

Model Summary

Table 36 Appendix 8 step wise log likelihood and R square

Step	-2 Log likelihood	Cox & Snell R Square	Nagelkerke RSquare
1	126.365[a]	.384	.525
2	91.651[b]	.510	.697
3	76.130[c]	.558	.762
4	67.195[c]	.583	.796
5	61.851[c]	.597	.816
6	55.625[c]	.613	.838

a. Estimation terminated at iteration number 5 because parameter estimates changed by less than .001.

b. Estimation terminated at iteration number 6 because parameter estimates changed by less than .001.

c. Estimation terminated at iteration number 8 because parameter estimates changed by less than .001.

Table 37 Appendix 9 Contingency table for H-L test

		AD = 0		AD = 1		
		Observed	Expected	Observed1 16	Expected	Total
Step 1		15.489		0	.511	16
	2	8	12.671	8	3.329	16
	3	15	10.201	0	4.799	15
	4	1	5.875	16	11.125	17
	5	8	3.793	8	12.207	16
	6	8	2.682	8	13.318	16
	7	0	2.404	17	14.596	17
	8	0	1.620	14	12.380	14
	9	0	.909	14	13.091	14
	10	0	.355	11	10.645	11
Step 2	1	16	15.877	0	.123	16
	2	16	15.349	0	.651	16
	3	16	11.480	0	4.520	16
	4	0	5.935	16	10.065	16
	5	0	2.775	16	13.225	16
	6	0	1.949	17	15.051	17
	7	0	1.022	14	12.978	14
	8	0	.813	15	14.187	15
	9	8	.626	7	14.374	15
	10	0	.174	11	10.826	11
Step 3	1	15	14.986	0	.014	15
	2	17	16.712	0	.288	17
	3	16	11.737	0	4.263	16
	4	0	6.750	15	8.250	15
	5	0	3.279	17	13.721	17
	6	8	1.562	8	14.438	16
	7	0	.718	16	15.282	16
	8	0	.242	16	15.758	16
	9	0	.015	15	14.985	15
	10	0	.000	9	9.000	9
Step 4	1	15	14.995	0	.005	15
	2	13	12.911	0	.089	13
	3	16	14.824	0	1.176	16
	4	4	7.130	12	8.870	16
	5	0	3.032	15	11.968	15
	6	8	1.874	8	14.126	16
	7	0	.870	17	16.130	17
	8	0	.304	16	15.696	16

Contingency Table for Hosmer and Lemeshow Test

Contingency Table for Hosmer and Lemeshow Test

		AD = 0		AD = 1		
		Observed	Expected	Observed	Expected	Total
	9	0	.059	15	14.941	15
	10	0	.001	13	12.999	13
Step 5	1	16	15.994	0	.006	16
	2	16	15.796	0	.204	16
	3	16	14.173	0	1.827	16
	4	0	5.518	15	9.482	15
	5	0	1.835	12	10.165	12
	6	8	1.407	7	13.593	15
	7	0	.721	14	13.279	14
	8	0	.462	16	15.538	16
	9	0	.089	15	14.911	15
	10	0	.004	17	16.996	17
Step 6	1	16	15.989	0	.011	16
	2	12	11.964	0	.036	12
	3	16	15.322	0	.678	16
	4	4	7.685	11	7.315	15
	5	8	3.386	11	15.614	19
	6	0	.882	14	13.118	14
	7	0	.518	15	14.482	15
	8	0	.217	14	13.783	14
	9	0	.037	15	14.963	15
	10	0	.000	16	16.000	16

Classification Table[a]

Table 38 Appendix 10 Classification table

			Predicted		
			AD		Percentage Correct
		Observed	0	1	
Step 1	AD	0	40	16	71.4
		1	8	88	91.7
	Overall Percentage				84.2
Step 2	AD	0	48	8	85.7
		1	4	92	95.8
	Overall Percentage				92.1
Step 3	AD	0	48	8	85.7
		1	3	93	96.9
	Overall Percentage				92.8
Step 4	AD	0	48	8	85.7
		1	0	96	100.0
	Overall Percentage				94.7
Step 5	AD	0	48	8	85.7
		1	3	93	96.9
	Overall Percentage				92.8
Step 6	AD	0	48	8	85.7
		1	4	92	95.8
	Overall Percentage				92.1

a. The cut value is .500

Model if Term Removed

Table 39 Appendix 11 Model if item removed.

Variable		Model Log Likelihood	Change in -2 Log Likelihood	df	Sig. of the Change
Step 1 PFC		-100.033	73.700	1	.000
Step 2	PFC	-71.276	50.902	1	.000
	IT	-63.183	34.714	1	.000
Step 3	PDB	-45.825	15.521	1	.000
	PFC	-66.810	57.489	1	.000
	IT	-61.683	47.237	1	.000
Step 4	PDB	-42.334	17.472	1	.000
	PIB	-38.065	8.935	1	.003
	PFC	-56.815	46.434	1	.000
	IT	-59.007	50.819	1	.000
Step 5	PDB	-41.134	20.418	1	.000
	PIB	-36.709	11.568	1	.001
	CP	-33.598	5.344	1	.021
	PFC	-56.664	51.477	1	.000
	IT	-58.986	56.121	1	.000
Step 6	PDB	-39.876	24.126	1	.000
	PIB	-33.284	10.942	1	.001
	CP	-31.759	7.894	1	.005
	PFC	-56.651	57.676	1	.000
	IR	-30.926	6.226	1	.013
	IT	-55.736	55.846	1	.000

Questionnaire

Internet of things (IoT adoption in textile manufacturing)

* Indicates required question

Email*

My name*

My company name*

My company turnover

less than 200 crores

greater than 200 crores but less than 500 crores

greater than 500 crores

Number of years my company in operation

less than 10 years

greater than 10 years but less than 20 years

greater than 20 years

Has our company adopted IoT in its manufacturing processes

yes

No

1. IoT adoption in my firm will improve data accuracy
   strongly disagree
   disagree
   somewhat disagree
   neither disagree nor agree
   somewhat agree
   agree
   strongly agree
2. IoT adoption in my firm will improve security of data
   strongly disagree
   disagree
   somewhat disagree
   neither disagree nor agree
   somewhat agree
   agree
   strongly agree
3. IoT adoption in my firm will improve operational efficiency
   strongly disagree
   disagree
   somewhat disagree

neither disagree nor agree
somewhat agree
agree
strongly agree

4. IoT adoption in my firm will improve order updation process
   strongly disagree
   disagree
   somewhat disagree
   neither disagree nor agree
   somewhat agree
   agree
   strongly agree
5. IoT adoption in my firm will reduce clerical errors
   strongly disagree
   disagree
   somewhat disagree
   neither disagree nor agree
   somewhat agree
   agree
   strongly agree
6. IoT adoption in my firm will improve organization image
   strongly disagree
   disagree
   somewhat disagree
   neither disagree nor agree
   somewhat agree
   agree
   strongly agree
7. IoT adoption in my firm will improve competitive image
   strongly disagree
   disagree
   somewhat disagree
   neither disagree nor agree
   somewhat agree
   agree
   strongly agree
8. IoT adoption in my firm will benefit business practices of my company
   strongly disagree

disagree
somewhat disagree
neither disagree nor agree
somewhat agree
agree
strongly agree

9. IoT adoption in my firm will improve customer service
   strongly disagree
   disagree
   somewhat disagree
   neither disagree nor agree
   somewhat agree
   agree
   strongly agree
10. IoT adoption in my firm will improve relationship with business partners
   strongly disagree
   disagree
   somewhat disagree
   neither disagree nor agree
   somewhat agree
   agree
   strongly agree
11. The changes introduced by IoT is consistent with my company's beliefs and values
   strongly disagree
   disagree
   somewhat disagree
   neither disagree nor agree
   somewhat agree
   agree
   strongly agree
12. IoT is compatible with my company's current information infrastructure
   strongly disagree
   disagree
   somewhat disagree
   neither disagree nor agree
   somewhat agree
   agree
   strongly agree

13. The capital of my company is high compared to the industry
    strongly disagree
    disagree
    somewhat disagree
    neither disagree nor agree
    somewhat agree
    agree
    strongly agree
14. The revenue of my company is high compared to the industry
    strongly disagree
    disagree
    somewhat disagree
    neither disagree nor agree
    somewhat agree
    agree
    strongly agree
15. The number of employees in my company is high compared to the industry
    strongly disagree
    disagree
    somewhat disagree
    neither disagree nor agree
    somewhat agree
    agree
    strongly agree
16. IoT has high set up costs in textiles
    strongly disagree
    disagree
    somewhat disagree
    neither disagree nor agree
    somewhat agree
    agree
    strongly agree
17. IoT has high running costs in textiles
    strongly disagree
    disagree
    somewhat disagree
    neither disagree nor agree
    somewhat agree
    agree

strongly agree

18. IoT has high training costs in textiles
    strongly disagree
    disagree
    somewhat disagree
    neither disagree nor agree
    somewhat agree
    agree
    strongly agree
19. My company has unique and differentiated products that meet expectations of international customers
    strongly disagree
    disagree
    somewhat disagree
    neither disagree nor agree
    somewhat agree
    agree
    strongly agree
20. My company has adequate financial resources and qualified export personnel and experience for export activities
    strongly disagree
    disagree
    somewhat disagree
    neither disagree nor agree
    somewhat agree
    agree
    strongly agree
21. My company' top management is committed heavily towards international business
    strongly disagree
    disagree
    somewhat disagree
    neither disagree nor agree
    somewhat agree
    agree
    strongly agree
22. The major trading partners of my company encourage use of IoT
    strongly disagree

disagree
somewhat disagree
neither disagree nor agree
somewhat agree
agree
strongly agree

23. The major trading partners of my company recommend implementation of IoT
    strongly disagree
    disagree
    somewhat disagree
    neither disagree nor agree
    somewhat agree
    agree
    strongly agree
24. The major trading partner of my company requested implementation of IoT
    strongly disagree
    disagree
    somewhat disagree
    neither disagree nor agree
    somewhat agree
    agree
    strongly agree
25. The product in my industry requires a lot of information to sell
    strongly disagree
    disagree
    somewhat disagree
    neither disagree nor agree
    somewhat agree
    agree
    strongly agree
26. The product in my industry is complex to understand or use
    strongly disagree
    disagree
    somewhat disagree
    neither disagree nor agree
    somewhat agree
    agree
    strongly agree
27. The ordering of products in my industry is a complex process

strongly disagree
disagree
somewhat disagree
neither disagree nor agree
somewhat agree
agree
strongly agree

28. The government is providing incentive for adoption of IoT technologies
    strongly disagree
    disagree
    somewhat disagree
    neither disagree nor agree
    somewhat agree
    agree
    strongly agree
29. Business laws support Internet based textile business
    strongly disagree
    disagree
    somewhat disagree
    neither disagree nor agree
    somewhat agree
    agree
    strongly agree