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APPENDIX A – PROJECT PLAN

ID	Task Name	Duration	Start	Finish	Predecessors		
						2004 Half 2, 2004 Half 1, 2005 M A M J J A S O N D J F M A I	Half 2,
1	MBA-Research Project	186 days	Fri 4/2/04	Fri 12/17/04			VIJJA
2	Start the Research	0 days	Fri 4/2/04	Fri 4/2/04		↓ 1/2	
3	Research Topic Investigation and Draft the proposal	55 days	Fri 4/2/04	Thu 6/17/04	2		
4	Topic Investigation Documentation Review	2 wks	Fri 4/2/04	Thu 4/15/04			
5	Research Methodologies, IS Implementation School of	2 wks	Fri 4/16/04	Thu 4/29/04	4		
6	Identify the methodologies of ERP Implementation	2 wks	Fri 4/30/04	Thu 5/13/04	5		
7	Primary literate search	3 wks	Fri 5/14/04	Thu 6/3/04	6		
8	Document the Research Proposal-Draft	9 wks	Fri 4/16/04	Thu 6/17/04	4		
9	Draft Research Proposal	0 days	Thu 6/17/04	Thu 6/17/04	3	6/17	
10	Finalised the Research Porposal	6 days	Fri 6/18/04	Fri 6/25/04	9 Sri I o		
11	Finalised Activity Schedule	1 day	Fri 6/18/04	Fri 6/18/04	, DH L a		
12	Finalised Research Proposal – Draft Copy Corrections	ectron ¹ wk	Mon 6/21/04	Fri 6/25/04	Pertatio	ms h	
13	Finalised Research Proposal	0 days	Fri 6/25/04	Fri 6/25/04	12,10	6/25	
14	Conduct the Research 💦 🕠	60 days	Mon 6/28/04	Fri 9/17/04	13		
15	Det ail Literat e Search	3 wks	Mon 6/28/04	Fri 7/16/04			
16	Research Strategy Defined Making of Interviews agend	3 wks	Mon 7/19/04	Fri 8/6/04	15		
17	Conduct a survey on the proposed frame work	3 wks	Mon 8/9/04	Fri 8/27/04	16		
18	Research Questionaire	0 days	Fri 8/27/04	Fri 8/27/04	17	8/27	
19	Research on existing technologies	2 wks	Mon 6/28/04	Fri 7/9/04	15SS		
20	Data Collection	10 wks	Mon 7/12/04	Fri 9/17/04	19		
21	Data Analysis and Develop the Framework	100 days	Mon 6/21/04	Fri 11/5/04			
22	Data Analysis	2 wks	Mon 9/20/04	Fri 10/1/04	20		
23	Develop the frame work	3 wks	Mon 8/2/04	Fri 8/20/04	19FS+3 wks		
24	Revise and Finalise the frame work	6 wks	Mon 8/30/04	Fri 10/8/04	23		
25	Prepare the Research Dissertation - draft	17 wks	Mon 6/21/04	Fri 10/15/04	11,24FF		

APPEBDIX – B INTEVIEW QUESIONAIRE

Appendix B : Interview Questionnaire

Name :

Position :

What is your education (what degree(s) do you have) ?	
What is your previous work experience and roles ?	
How long have you been with the orgernisation?	
How long have you had your current position within the orgernisation ?	
Your role in this ERP Project Implementation	

Please rate the below : In general how do you believe the ERP System will affect how people	Litt	e			Med	ium		A Lo	ot		
do their work and work processes ?	Litt				wicu	iuiii		ЛЦ	л		
How confident are you with using a ERP in your daily work routines ?	1	2	3	4	5	6	7	8	9	10	
		NOT ortant at	N	ot	Nei	ıtral	Imp	ortant	Extre	eamly	
How important is a integration of IS system in your work ?	· ·	all	Impo	otant			mp	Jitani	Impo	ortant	
I consider myself an experienced computer user.		ongly	Disa	Disagree		ıtral	Agree		Strongly		
r consider mysen an experienced computer user.		Disagree								Agree	
Believe it was right of the orgernisation to conduct the ERP project.		ongly	Disa	gree	Nei	Neutral		Agree		ngly	
G	Disagree		D'	D :		X 1				ree	
It is important for me to have access to information in my work		ongly sagree	Disa	gree	Net	ıtral	Ag	gree		ngly	
		ongly	Disa	aree	Nei	ıtral	Δ	gree	-	ree ngly	
Satisfied with the ERP project - the way it has been conducted.		sagree	Disa	giee	INCO	ill al		giee		ree	
University of Mor		ongly	Disa	gree	Net	ıtral	As	gree	, v	ngly	
Satisfied with the results of ERPsystem and my experiences with it.		sagree	Gri	• <u> </u>	LI EIX(ree	
Stiff Lidd EDD 14 Electronic Theses		ongly	Disa	gree	Nei	ıtral	Ag	gree	Strongly		
Satisfied with the ERP vendor and the functinality that they provide	Dis	sagree							Agree		
Satisfied with an implementation partner and his experiances in the		ongly	Disa	gree	Nei	ıtral	Ag	gree	Strongly		
industry		Disagree								Agree	
Satisfied with the top management and end user support for the system				sagree Neutr		ıtral	al Agree			ngly	
		Disagree Strongly Disa		Ŋ			. 1		-	ree	
How do you rate the functions the ERP System provides to organisation requirments in order to access information?	Disagree		Disagree		Neutral		Ag	Agree		ngly	
What technical problems have you encountered with the System?	DIS	agree							Ag	ree	
What are the resistance you may have experinced during the											
implementation											
Training in using the System	Str	ongly	Disa	gree	Neu	ıtral	Ag	gree	Stro	ngly	
Training in using the bystem		agree								ree	
Information about the System	Strongly		Disagree		Nei	ıtral	Ag	gree		ngly	
	Disagree Strongly		Disagree		Neutral		As	gree		ngly	
Change of your work processes	Dis	agree		0				,		ree	
Help with technical difficulties	Strongly		Disa	gree	Neu	ıtral	Ag	gree	Stro	ngly	
		sagree							0	ree	
Information about change of processes		ongly	Disa	gree	Nei	ıtral	Ag	gree		ngly	
		sagree	Diag	~	No	ıtral	٨			ree ngly	
Possibility to express your views about how your work should be		ongly sagree	Disa	gree	INEL	luai	Ag	gree		ree	
optimised with an Information System			D.		NT.						
Possibility to express your views about the System		ongly	Disa	gree	Net	ıtral	Ag	gree		ngly	
Your views being heard and incorporated into the solution		ongly	Disa	gree	Neu	ıtral	Ag	gree		ngly	
Tour views being heard and meorporated into the solution		agree								ree	
The technical possibilities of the System		ongly	Disa	gree	Nei	ıtral	Ag	gree		ngly	
		agree ongly	Disa	oree	Net	ıtral	Δ	gree		ree ngly	
Possibility to contact implementation project		sagree	130	5100	1101		A8	,		ree	
		ongly	Disa	gree	Nei	ıtral	As	gree		ngly	
Communications channels in and out of the ERP project team		agree						, 		ree	
According to your view project was successful /Not successful											

APPENDIX C -SURVEY ON DEVELOPMENT - FREAMEWORK FOR Successful Implementation of Enterprise Resource Planning System

A. Organisation / Personal Information

1.	Which sector are you workin Manufacturing Industry Service Industry IT Supplier / System Integrat Management Consultancy Distribution Sector Research Institute or Univers	or	0 0 0 0 0
2.	Number of employees in the	organisati	on?
	0 to 49	8	0
	50 to 99		0
	100 to 499		0 0 0
	500 to 999		0
	1000 or more University	of Mora	Quwa, Sri Lank
•	Which sector are you workin		
3.	Which sector are you workin	nrt.ac.lk	0
	I O		0
	(CEO, CIO, Board of Direct	ors)	0
	IT Middle Management		0
	(IT/IS Management)		0
	Financial Management Management Consultant		
	IT Executive		0 0
	General User		0
	General Oser		0
4.	Is there a specific IT strategy	y in your c	ompany?
Yes		No	0
5	Does that strategy contain E	DD implor	nontation?
J. Yes		No	\cap
105	0	.10	0
6.			_
	External Consultants		0
	From Internal Management		0

7.	Why does your company consid As a Industry Norm As a Strategic Business Tool	er upon ERP?	
	Other competitors are doing so	0	
	Current legacy systems are not adequate	0	
	If other please specify		
	ERP business solution implement	nted as	0
	source Development		0
Off	the shelves Package		0
9.	What are the sectors covered by Financial Management Manufacturing Distribution Human & Resource Other (Please specify)	v the ERP solution?	

10. In your opinion, the company is in readiness for ERP. Yes

Yes



B. Evaluation and Selection of ERP

11. Is t Yes	here a form O	al ERP sel	ection pr No	ocedure foll O	owed by the company?				
12. Whether your company done a specific need analysis about the areas that									
covere Yes	d by ERP? O		No	0					
13.Is/w Yes	vas there an O	y ERP busi	i ness mo o No	del develope O	d for the organization.				
	14.When did you do BPR (Business Process Re-engineering)? Reengineered business processes before implementation ERP								
O Imp	plemented E processe	•	0	ness ipported by I	ERP				
O Ree	engineered b	ousiness prod	cesses du	ring impleme	entation of ERP				
0				/loratuwa, ses & Dis	Sri Lanka. sertations				
	is approach ccessful	(Q 14) bee successfu			ely successful				
1	2	3	4	5					
15.Wh	ether there	any conflic	ts/ issues	during BPI	R?				
Yes	0		No	0					
16.Did Yes	you do a co O	ost / benefit	analysis No	before start	ing the project?				
17.Did Yes	you use con	nsultancy se	e rvices? No	0					
Pr Bu Cl Aj Tr	s, s covered b oject Manag usiness Proce- nange Manag oplication C- ainings & E echnical Con	gement ess Reengin gement onsultancy ducation		0000					

Other (Please specify)

18.Rate the significance of factors listed below when evaluating an ERP for your company. (Please rate from 1 to 10)

(About ERP vendors and Support services)

Requirements fulfillment	
Functionality of ERP system's critical core modules	
Industry-specific solutions offered	
Critical business processes supported by ERP system	
Internal and External experts availability in ERP system	
Implementation partner availability/expertise	
Pricing models offered by vendors	
Training offered by vendor or third party	
Extended applications availability/compatibility	
Vendor's financial position	



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Project Implementation

1. Which metho All module at Once (Big Bang)	dology O	did you practice in your ERP in Module By Module Implementation	mplementation? O
2. What do you th	ink abo	out the above implementation n	nethodology?
Ok To Certain Extent Ok	0 0	Appropriate Not appropriate at all	0 0
3. What is the stat Completed Initiative Stage On going Not completed stop work Abandoned (org reverted to old way	oped aft	o o o on O	
implementation	el to dev n IT fur upport	1	
5. Have the proce implementation Yes O		the company changed due to El No O	RP
If yes, What level have the 0% 25% 1 2		ged? 0% 75% 100% 4 5	
6. Do employees v Yes O	velcome	e the change of the work proces No O	s?
7. Did you face di Yes O	fficultie	es during the change of processo No O	es?

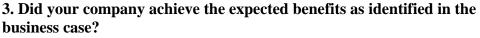
If yes, What were they?

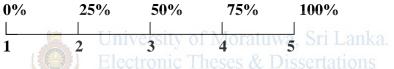
8. What is the	ERP nack	29 0 69	
IFS		Oracle Application Suite	0
SAP (mySAP)	0	SAP $(R/3)$	0
People Soft	0	JD Edwards	0
Other (Please specify)		
9.Frequency of Once a month	progress	0	
Once in 2 week	S	0	
Once a week		0	
Once in 2-3 day Daily (once or r		0	
Daily (once of I	nany)	0	
10.How did the Direct Change Over Module Wise Changeover	changeov	er take place? Dissertations Parallel Run Pilot Changeover	0
If parallel run, For how long did y	ou test th	e system before going live?	
	out your syster	n change over methodology?	
11.What do you feel abo			
11.What do you feel abo	0	Appropriate	0

D. Post Implementation Review.

1. In overall, has the ERP implementation project been successful?YesONoO

2. List any specific problems, which your company face during the ERP implementation





4. What lessons would you find most interesting and useful to make an ERP system implementation successful? (Critical Success Factors) /Repeatable Successes?

5. What lessons have you learned in terms of things to avoid in an ERP system implementation? (Critical Failure Factors)/ Areas to improve?

E.<u>ERP Implementation Ideologies</u>

Please select the most appropriate respond for the each question that you may think as important in successful ERP implementation.

1. Importance of well define business process, practices, stable and reliable IT Strategy

Extremely critical and important	0
for success Critical and important for success Somewhat critical and important	0 0
for success Important but not	0
critical/necessary for success Neither critical nor important for	0
success	

2. Importance of strong sponsorship and top management commitment with clear focus in ERP implementation (Business Plan and Vision)

ocus in EIG implementation (Business	
Extremely critical and important	0
for success	
Critical and important for success	0
Somewhat critical and important Mor	auwa Sri Lanka
for success	atuwa, on Dansa.
Important but not lectronic Theses	O Dissertations
critical/necessary for success	
Neither critical nor important for	0
success	

3. Necessity of Business Process Reengineering

Extremely critical and important	0
for success	~
Critical and important for success	0
Somewhat critical and important	0
for success	
Important but not	0
critical/necessary for success	
Neither critical nor important for	0
success	

4. Well established Steering Committee and proper Change Management process Extremely critical and important റ for success Ο Critical and important for success Somewhat critical and important 0 for success Ο Important but not critical/necessary for success Neither critical nor important for Ο success 5. Predefine Communication channels and continuous review meetings Extremely critical and important Ο for success Critical and important for success 0 Somewhat critical and important \cap for success Important but not Ο critical/necessary for success Neither critical nor important for Ο success **6.Proper responsibility assigning and Team compound** Extremely critical and important Mor O wa, Sri Lanka. for success | Electronic Theses & Dissertations Critical and important for success Somewhat critical and important \cap for success Important but not Ο critical/necessary for success Neither critical nor important for Ο success 7. Team members knowledge about best business practices and technical knowledge and leadership; cross-functional teams, co-located together, and is on the project full time as their top and only priority; Extremely critical and important Ο for success Critical and important for success Ο Somewhat critical and important 0 for success Important but not \bigcirc critical/necessary for success Neither critical nor important for Ο success

8. PROPER MONITORING AND EVALUATION OF PERFORMANCE (MILESTONES SET AND MEASURE PROGRESS AND PERFORMANCE AGAINST GOALS MILESTONES ACHIEVEMENTS) Extremely critical and important O

for success

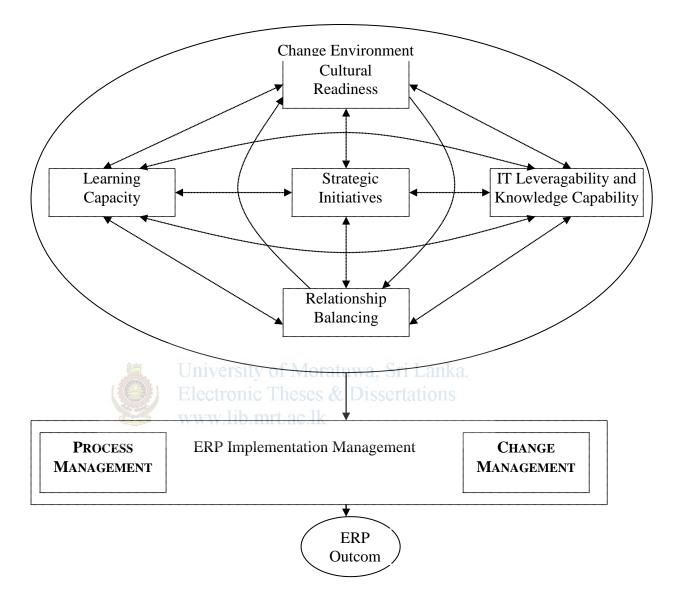
Critical and important for success Somewhat critical and important for success Important but not critical/necessary for success Neither critical nor important for success	0 0 0
9. Importance of Project Champion Extremely critical and important for success Critical and important for success Somewhat critical and important for success Important but not critical/necessary for success Neither critical nor important for success	
10. Proper Project Management Framework Extremely critical and important for success Critical and important for success Somewhat critical and important for success Important but not critical/necessary for success Neither critical nor important for success	O ræuwa, Sri Lanka & Dissertations

I may want to follow up this discussion later as a part of the same research project. Would you be willing to talk to me again? If so, please give your contact details.

Name		 	 	
E-mail A	ddress	 	 	
Telephon	e Numbei		 	
1				

Thank you very much for your co-operation. Dimuthu Cooray, Dep. of Management Technology, Faculty of Engineering, University of Moratuwa.





Source: Kettinger and Grover's model of BPC management



