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Appendix A- Questionnaire

Questionnaire on the Use of Best Practices in Project Management

in Sri Lankan Non-IT Organizations

Dear Sir/Madam,

I am a student of University of Moratuwa, conducting a research under the supervision of Dr. 'Buddhinath Jayatilleke', University of Moratuwa, as partial fulfilment of MBA in Information Technology programme.

This research is mainly focusing on Organisation which their core product is not in the software development or services portfolio (Here after referred to as a Non-IT Organisation) and the research is on the use of best practices in project management for software development.

As part of this research, this questionnaire has been designed to identify the usage and adaptability of some project management principals in these non IT organizations which have been proven in many other software development organisations as best practices in Electronic Theses & Dissertations managing software development projects. Thus, I really appreciate your valued response to WWW.IID.mtt.ac.lk

Your survey response will be strictly confidential and data from this research will be reported only in the aggregate. Further, this study is entirely for academic purposes and your responses to the questions will only be used for the purpose of this study.

Thank you for your cooperation.

Ruvendra Gunasena, Student - MBA-IT (2008), Dept. of Computer Science & Engineering, University of Moratuwa. Email : ruvendra@gmail.com Tel : 077-7871762

Section I

These questions are to identify your demographic information. Please tick options relevant to you (Double click on the box and select 'Checked' or 'Not checked').

1. Your Age (Years)

Less than 25	26-35	36-45	Above 45	

2. Gender

Male	Female	

3. Highest educational qualification

Post Graduates	s/Masters		
Graduate			
Diploma			
Industry Certifi	cation		
Other	University of Mor Electronic Theses www.lib.mrt.ac.lk	& D	a, Sri Lanka. issertations

4. What best describes your position in your organization?

Managing Director / CEO / GM	Head of Division / Director	
Senior Manager	Middle Manager	
Line Manager	Team Lead / Executive	
Other		

5. What is the industry/sector which your organization belongs to?

Software Development & Services	
Telecommunications	
Financial Services, Insurance & Banking	
Wholesale & Retail Trade	

Apparel & Textile	
Manufacturing	
Transport (Public Transport, Cargo	
Handling, Ports, Civil Aviation etc)	
Hotels & Restaurants	
Government/Semi Government	
Diversified Group of Companies	
Other (Please Specify)	

6. No of employees in your organization

Less than 50	
50-249	
250-499	
500-999	
(O) Electronic Theses	
Do you have any decision making auth	nority on Managing Software Development

Projects?

7.

Yes	
No	

8. If YES to Q7, which best describes your role in Software Development Project Management? Please tick all that apply.

Final decision maker	
Can influence the final decision	

9. How many years of work experience do you have in the main role mentioned in Q4?

Below 1 Yr	
1 – 3 Yrs	
3 – 5 Yrs	

Above 5 Yrs]
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Section II

This section is to finding out factors affecting software project failures in Non-IT organizations

10. Please rate the following factors as how they are related to a project failure based on your experience in managing software projects and rank them based on their importance.

	<u>Statement</u>					
	(1=Strongly Disagree, 2=Disagree, 3=Neutral, 4=Agree, 5=Strongly Agree)	1	2	3	4	5
1	<u>Poor communication</u> within a development/ project teams and stakeholders lead to a Project failure					
2	Incomplete requirements and specifications lead to a project failure Electronic Theses & Dissertations www.lib.mrt.ac.lk					
3	Poor <u>Scope</u> management lead to a project failure					
4	Inadequate testing of the software lead to a project failure					
5	Poor Integration of different software components (modules) lead to a project failure					
6	Poor Change Management (e.g.: Training, Briefings, etc) leads to a project failure					
7	Lack of <u>User Involvement</u> lead to a project failure.					

Section III

11. This section is to identify whether any of the following are practicing in your

	Statement					
	(1=Practicing, 2=Partially Practicing, 3= Neutral, 4=Not Practicing, 5=Willing	1	2	3	4	5
	to Practice)					
1	Highest priority is to satisfy the customer through early and continuous delivery of valuable software					
2	Welcome changing requirements, even late in development.					
3	Deliver working software frequently, from a couple of weeks to a couple of months, with a preference to the shorter timescale.					
4	Business people and developers must work together daily throughout the project.					
5	Build projects around motivated individuals. Give them the environment and support they need, and trust them to get the job done.					
6	The most efficient and effective method openiversition to and a. within a development ream is face-to-face conversation.					
7	Working software is the primary measure of progress.					
8	The sponsors, developers, and users should be able to maintain a constant pace indefinitely.					
9	Continuous attention to technical excellence and good design enhances agility.					
10	Simplicitythe art of maximizing the amount of work not doneis essential.					
11	The best architectures, requirements, and designs emerge from self- organizing teams.					
12	At regular intervals, the team reflects on how to become more effective, then tunes and adjusts its behavior accordingly.					

Section IV

These questions are to identify the factors effecting bringing "Agility" to a project. <u>Working Definition of Agility:</u> A set of engineering best practices that allow for rapid delivery of high-quality software, and a business approach that aligns development with customer needs and company goals

Please rate 1 to 5

	<u>Statement</u>					
	(1=Strongly Disagree, 2=Disagree, 3=Neutral, 4=Agree, 5=Strongly Agree)	1	2	3	4	5
1	Do you think people should identify the complete requirements first, then design the system, and poly after that start toding?a. (C) Electronic Theses & Dissertations					
2	Do you a think the scope should be finalized first and should not entertain changes during the project					
3	Do you think the position power or office politics should require managing project team?					
4	Do you think the members of the team should empower to take accountability of what they are doing?					
5	Do you think that you have to choose from a limited set of options and that there is no scope of selecting a middle path?					
6	Do you believe that you can bring "Agility" to your project?					

7	Do you believe that you can cope-up with "Agility" with in the project?			
8	Do you believe that you should have specialized skills in one or more areas as well as basic understanding of the technical and business aspects of software development?			
9	Does your organization allow you to attend for training courses, seminars, technology forums, etc?			
10	If the answer to the 9 is "Yes", then do take that opportunity frequently to improve your skill sets			
11	Do you believe developing effective software as being based on producing comprehensive and detailed requirement and design documents?			

12. Do you prepare following documents during the project? (Documentation heavy mind set) Flectronic Theses & Dissertations

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Change Management Strategy WWW.IIO.mrt.ac.lk		Organizational Design and Blueprint	
Solution Design		Stakeholder Analysis	
Infrastructure Design		Stakeholder Plan	
Deployment Strategy		Test Plan	
Test Strategy		Test Execution Sign off	
Training Needs Analysis		Post Go Live Support Strategy	
Training & Documentation Plan		Training Material and End User	
		Documentation	
Stakeholder & Business Engagement		Hand Over to support	
Plan			
People Transition Plan		Training Evaluation Report	
Communications Plan		Change Management Post Go Live Support	
		Strategy	
People Impact Assessment		Close out Report	

Section V

These questions are to identify your team structure and nature of projects you do in your organization.

13. Your Project Team consists of;

Project Sponsor(s)	
Project Manager	
Stream Lead(s)	
Consultant(s)	
Developers / Technical Team	
Team members of the Supplier(s)	

14. What is the approximate team size of your projects



15. Which best classifies the size of the projects that your organization regularly undergoes?

Scale 1	Scale 2	Scale 3	
(Less than \$75k)	(At least \$75K and less than \$150k)	(At least \$150k and above)	

16. Which best describes the nature of the projects that your organization regularly undergoes?

Short Term	Medium Term	long Term	
(Less than 6 months)	(Between 6 to 12 months)	(More than 12	
		months)	

17. Which best describes the nature of the projects that your organization regularly undergoes?

Strategic Criticality	Business Risk	Technical Risk	

18. Does your organization develop <u>core</u> systems in-house or your organization outsources the development to a 3rd party supplier.

In-house	Outsource	

19. Have you heard about Agile Project Management before in answering this Questionnaire?

Yes	No	

End of the questionnaire.

I sincerely appreciate your time and cooperation. Please check to make sure that you University of Moratuwa. Sri Lanka. have not skipped any questions inadvertently, and then kindly e-mail your response to Electronic Theses & Dissertations ruvendra@gmail.com. WWW.lib.mrt.ac.lk

Thank you!



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