MANAGEMENT of TECHNOLOGY The Missing Link: FOUND



MANAGEMENT of TECHNOLOGY The Missing Link: FOUND

Alina Shamsuddin



© Penerbit UTHM First Publish 2014

Copyright reserved. Reproduction of any articles, illustrations and content of this book in any form be it electronic, mechanical photocopy, recording or any other form without any prior written permission from The Publisher's Office of Universiti Tun Hussein Onn Malaysia, Parit Raja, Batu Pahat, Johor is prohibited. Any negotiations are subjected to calculations of royalty and honorarium.

Cataloging in Publishing Data

National Library of Malaysia

Alina Shamsuddin
Management of technology: the missing link found/Alina Shamsuddin.
Includes Index
Bibliography:p.59
ISBN 978-967-0468-14-3
1. Technology--Management. 2. Industrial management 3. Title.
658.514

Published by:
Penerbit UTHM
Universiti Tun Hussein Onn Malaysia
86400 Parit Raja,
Batu Pahat, Johor
Tel: 07-453 7051 / 7454
Fax: 07-453 6145

Website: http://penerbit.uthm.edu.my E-mail: pt@uthm.edu.my

Penerbit UTHM is a member of Majlis Penerbitan Ilmiah Malaysia (MAPIM)

Printed by: Percetakan Surya Sdn. Bhd. Plot 29, Jalan IKS BK 2, Taman Bukit Katil, 75450 Bukit Katil, Melaka.

TABLE OF CONTENTS

Preface		vii
Chapter 1	Emerging of Management of Technology (MoT) as a Discipline of Knowledge	1
	1.1 Overview	1
	1.2 Chapter Conclusions	9
Chapter 2	MoT Perspectives of Technology	11
	2.1 What is technology according to MoT?	11
	2.2 Ways and capabilities of technology in bringing competitive advantage to an organization	16
	2.3 Technology failures: Some examples	20
	2.4 Chapter Conclusions	21
Chapter 3	Technology from Resource-based View (RBV)	23
	3.1 MoT Concepts in Resource Based- View Theory	23
	3.2 Technological Know-how vs Technological Competency	26

	3.3 Technological Environment vs Technological Competency	28
	3.4 Chapter Conclusions	29
Chapter 4	Technology from Performance Management (PM) Perspectives	31
	4.1 Technological Competency Performance Indicators: Another Business Performance Measure?	31
	4.2 Performance Measures	35
	4.3 Performance Measurement	36
	4.4 Chapter Conclusions	40
Chapter 5	Putting the Understanding of MoT into the Context of Organizational performance	41
	periormanee	41
	5.1 MoT Concept in Organizational Performance	41
	5.2 Methodology	42
	5.3 Describing Technological Competency: Interdisciplinary Concepts	44
	5.4 Case Study Applications	49
	5.5 Chapter Conclusions	55
Chapter 6	Putting Management of Technology (MoT) into Context	57
References Index		59 65