Data Management
Issues, Challenges and Opportunities

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DATA MANAGEMENT: ISSUES, CHALLENGES AND OPPORTUNITIES

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# Table of Content

1. DATA QUALITY ASSESSMENT ON INTERNAL SYSTEM IN XYZ DIVISION OF TELECOMMUNICATION COMPANY: A CASE STUDY IN INDONESIA  
Muhtarman and Mira Kartiwi ................................................................. 1

2. DATA MANAGEMENT ISSUES: A CASE STUDY OF IIUM DIGITAL LIBRARY  
Alfi Khairiansyah Machfud, Jawdat Ahmad Khatib, Khodashev Aslanbeck and Mira Kartiwi ................................................................. 15

3. DATA MANAGEMENT CHALLENGES IN BANKING INDUSTRY: BUSINESS PERSPECTIVE  
Adebiyi Lookman Ademola and Mira Kartiwi ........................................ 29

4. DATA MANAGEMENT IN HIGHER EDUCATION, THE CHALLENGES AND THE SOLUTIONS: RECOMMENDATION AND TOOLS  
Johara Ghazali and Mira Kartiwi ............................................................ 35

5. DATA QUALITY MATURITY IN INFORMATION TECHNOLOGY DIVISION (ITD): AN EDUCATION ORGANIZATION  
Muhammad Rabiuul Hasan and Mira Kartiwi ......................................... 43

6. DATA STEWARDSHIP: A CASE STUDY OF CENTRE OF LANGUAGE AND PRE-UNIVERSITY ACADÉMIC DEVELOPMENT (CELPAD)  
Ismail Mahmoud, Kairo, Johara Ghazali, Rifhan bt. Abdul Ghafr and Mira Kartiwi ................................................................. 57

7. THE CHALLENGES OF DATA MIGRATION CASE STUDY OF UNIVERSITY PUTRA MALAYSIA (UPM)  
Hanan Abdullah A. Fatani, Ikhas Faad Zanzami, Nuha Abdullah H. Zamarah and Mira Kartiwi ................................................................. 69
16. DATA MANAGEMENT CHALLENGES IN RETAIL INDUSTRY
Fauzan Alfariti and Mira Kartiwi ............................................................. 151

17. TROPICAL CROPS PLANTING RECOMMENDATION SYSTEM
Siti Safura Yasmin Sahibin and Akram M. Zeki ................................. 157

18. EMPLOYING MACHINE LEARNING ALGORITHMS TO EXTRACT
ISLAMIC KNOWLEDGE
Kawther A. Aldhlan, Ahmed M. Zeki and Akram M. Zeki ............... 161

19. A WEB DATA MANAGEMENT APPLICATION FOR EDUCATION
SECTOR: A KICT ONLINE REGISTRATION SYSTEMS FOR FINAL YEAR
PROJECT
Muhamet Abdullahu and Mira Kartiwi .............................................. 169

20. LOGISTIC DATABASE SYSTEM
Akram M. Zeki and Wan Zarith Nadla bt. Wan Zahari ..................... 177

21. DATA OWNERSHIP CHALLENGES IN DISASTER MANAGEMENT
Mira Kartiwi, Rasheed Muhammed and Muna A. Ali ....................... 185
15. CHALLENGES OF DATA MANAGEMENT (DM) IN MANUFACTURING SECTOR

Dramane Mohamed, Swalheh Mauleed, Abul kalam, Ahmed B. Salami,
Mohammad Salem Almohaifer and Mira Kartiwi

ABSTRACT

Many manufacturers are facing a complex situation in the manufacturing industry due to lacking of data management system. This may led to negative impact on this sector. To overcome these situations they use data management tools. The main focus of this paper is concerned at the determination of few manufacturing challenges based on data management functions within the contemporary manufacturing sector as well as how they make solution by using data management tools. Recently data mining, data warehousing, supply chain management, and other data management tools and practices have become effective in the manufacturing industry such as drug (molecular) engineering process, auto component manufacturing industry, oil manufacturing industry and many more. These industries are facing different types of problem that are related to their processes, these problems have been overcome by using different data management tool and practices.

15.1 INTRODUCTION

The traditional resources long known to be used in manufacturing industry are man, land, money and machines. Only some few decades ago, data has been added to this list and identified as the most crucial of them and can be strategically used in place of any of them and cut the organization cost effectively. This organization data/information adds value to the manufacturing industry by aiding the decision makers to come up with