Data Management

Issues, Challenges and Opportunities

Mira Kartiwi
Akram M. Zeki

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DATA MANAGEMENT: ISSUES, CHALLENGES AND OPPORTUNITIES

Editors
Mira Kartiwi
Akram M. Zeki

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4. DATA MANAGEMENT IN HIGHER EDUCATION, THE CHALLENGES AND THE SOLUTIONS: RECOMMENDATION AND TOOLS

Johara Ghazali and Mira Kartiwi

ABSTRACT

The purpose of this document is to overview the data management challenges in educational institutions in managing their data for operational and strategic. Higher educational institutions are central part of the research and future growth in a competitive environment, with the precondition mission to stimulate, assemble and distribute knowledge. The chain of generating knowledge inside and among external organizations entities for instance companies, other academic institution, partners, community is considered crucial to condense the restraint of internal resources and could be apparently improved with the correct implementation of data management tools and technologies.

4.1 INTRODUCTION

Even supposing higher education institutions are not the only organizations struggling with these challenges, there are more sensitive with these issues because of their historic mission of generating and swelling information, and complexities of institutional administration in an era of accountability and information regulation. Hence, universities and colleges apparently still require an important amount of significant knowledge mined from its past and current data sets using special methods and processes. The traditions in which information and knowledge are delivered and distribute to the universities key people or the stakeholders are in a continuous