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ARTICLE 1

How Can Human Resource Management Help the Theory of Constraints

Brian J. Galli (Long Island University, Brookville, USA)

Now, more companies consider human resource management (HRM) as part of strategic business management. A critical analysis of *The Goal: A Process of Ongoing Improvement* by Goldratt as it relates to HRM allows for discussion and evaluation of HRM implications. However, does HRM implementation support achieving a companies' strategic objectives? If so, how is it related to *The Goal*? This report seeks answering these questions by evaluating HRM in the book's context. This article discusses the role of HRM in companies, HRM principals that impact operations, roles of stakeholders and their value in the Theory of Constraints (TOC), HRM and its impact on the TOC, roles of HRM management and leadership, and the relationship between technology and human resources. Discussing these topics, this article provides an overview of HRM's impact on organizations. The main findings indicate that HRM implementation is a strategic management resource to be implemented by any businesses.

To obtain a copy of the entire article, click on the link below.

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ARTICLE 2

Blockchain for Strengthening the Privacy of Healthcare Data

Stefan Kendzierskyj (Northumbria University, London Campus, UK), Hamid Jahankhani (Northumbria University, London Campus, UK), SHU I Ndumbe (Northumbria University, London Campus, UK)

The desire for eHealth systems is ever-growing as public institutions, healthcare providers, and its users see the positive gains from having systems of patient health information held in a single place; a decentralized connected architecture called blockchain. This concept can solve the interoperability issues and integrate the fragmented way healthcare records are held and present a more transparent, secure method to share data and protect patient privacy. The aim of this article is to provide a supportive environment for the health and social care workplace with special reference in the Primary Care sector in England on the impact and changes to the information governance toolkit (IGTK) as a result of the new European General Data Protection Regulation (GDPR) coming into force from May 2018. These challenges will also include the implementation of the National Data Guardian (NDG) review of data security and opt-outs amongst others.

To obtain a copy of the entire article, click on the link below.

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ARTICLE 3

Sustainability: An Overview of the Triple Bottom Line and Sustainability Implementation

Maria Salome Correia (University of Northampton, Northampton, UK)

Sustainability awareness has become increasingly important to society and a matter of interest by scholars and professionals. This article presents an overview of the concept and its Triple Bottom Line and describes the three dimensions of the most commonly accepted models of sustainability – environmental, economic and social. Given the key role that sustainability plays in organisations, it is important that they incorporate sustainability into their strategies. Thus, after a discussion on sustainability implementation, the article examines some issues and examples of sustainability assessment and measurement.

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ARTICLE 4

How Big Data Transforms Manufacturing Industry: A Review Paper

Victor I. C. Chang (Xi'an Jiaotong-Liverpool University, Suzhou, China), Wanxuan Lin (Xi'an Jiaotong-Liverpool University, Suzhou, China)

This article describes an overview of what Big Data is and explains how it transforms the manufacturing industry. First, this article defines what Big Data means for the manufacturing industry. It explains four advantages about Big Data analytics and their benefits to manufacturing. Then, it describes about what ethical issues of Big Data are. Next, it discusses more deeply about the ethical issues of Big Data in manufacturing with both individual and organizational perspectives. Finally, this article sums up with some principles to show the ethical governance of the interests of Big Data stakeholders.

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ARTICLE 5

Digital Forensic Investigation of Social Media, Acquisition and Analysis of Digital Evidence

Reza Montasari (School of Computing and Digital Technology, Birmingham City University, Birmingham, UK), Richard Hill (The University of Huddersfield, Huddersfield, UK), Victoria Carpenter (York St John University, York, UK), Farshad Montaseri (Islamic Azad University of Khark, Khark, Iran)

Various social networking sites (SNSs), widely referred to as social media, provide services such as email, blogging, instant messaging and photo sharing for social and commercial interactions. SNSs are facilitating new forms of social interaction, dialogue, exchange and collaboration. They allow millions of users and organisations worldwide to exchange ideas, post updates and comments or participate in activities and events, while sharing their wider interests. At the same time, such a phenomenon has led to an upsurge in significant criminal activities by perpetrators who are becoming increasingly sophisticated in their attempts to deploy technology to circumvent detection. Digital forensic Examiners (DFEs) often face serious challenges in relation to data acquisition. Therefore, this article aims to analyse the significance of SNSs in DFIs and challenges that DFEs often encounter when acquiring evidence from SNSs. Furthermore, this article describes the steps of the digital forensic investigation process that must be taken to acquire digital evidence that is both authentic and forensically sound.

To obtain a copy of the entire article, click on the link below.

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ARTICLE 6

Theory of Constraints and Human Resource Management Applications

Brian J. Galli (Long Island University, Brookville, USA)

This purpose of this article is to assess constraints and suggest a theory that can improve Human Resource Management Systems (HRMS's). It investigates the relationship between Theory of Constraints (TOC) and operation management, which is based on the Critical Chain PMs book entitled The Goal. In 1984, the author, Goldratt, introduced an entire management philosophy about the TOC. The mental process and improvement theory tools discussed in his book mainly focus on manufacturing environments. However, the practice and examples in the book helped many organizations succeed, even in the private sectors. This study offers definitions of throughput, operating expense, and inventory measurements, and uses the principle of TOC to identify bottlenecks and constraints in every business process. By using these analyses, the study remodels the system to increase performance measurements of HRMS.

To obtain a copy of the entire article, click on the link below.

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