

DVV Clarifications for 3.2.2:

DVV Query : 3.3.2 Values have been updated as the books without ISBN no. will not be considered as per NAAC SOP; HEI to provide web-links of books ; Also HEI to provide cover page , content page and first page of following : 1) Advancements in Artificial Intelligence, Blockchain Technology, and IoT in Higher Education: Mitigating the Impact of COVID-19 , AY (2022-23) 2) Blockchain for Smart Cities , AY (2020-21) 3) Organizational behaviour ,AY (2020-21) 4) Internet of Things and Big Data Analytics for Smart Generation, AY (2019-20) 5) Big Data Processing Using Spark in Cloud , AY (2019-20)

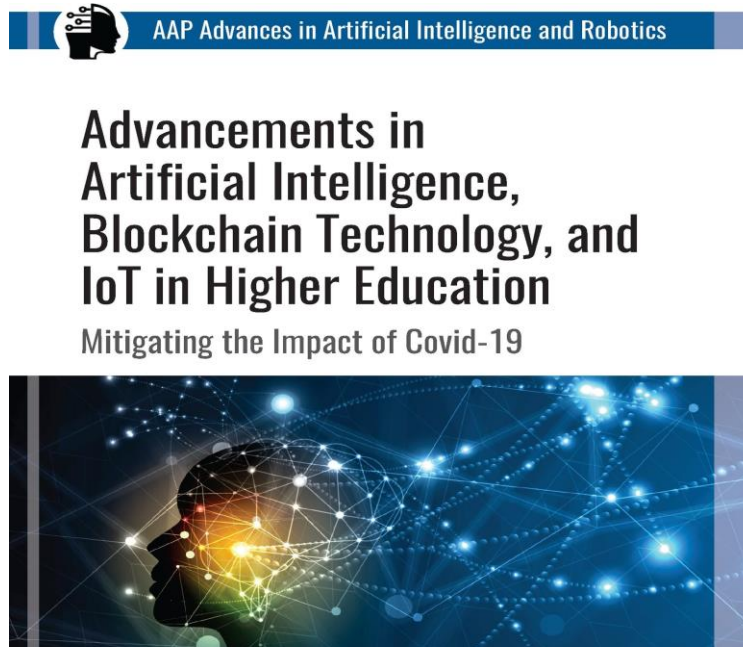
Required Data (1.WebLink, 2.Cover Page, 3.Content Page, 4.First Page):

1) **Advancements in Artificial Intelligence, Blockchain Technology, and IoT in Higher Education: Mitigating the Impact of COVID-19, AY (2022-23)**

1. *Web Link* :

[Advancements in Artificial Intelligence, Blockchain Technology, and Io
\(taylorfrancis.com\)](https://www.taylorfrancis.com)

2. *Cover Page:*



Subhendu Kumar Pani | Kamalakanta Muduli
Sujoy Kumar Jana | Srikanth Bathula | Golam Sarwar Khan
Editors

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AISHE CODE: C-41828

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CHAPTER 3

**EDUCATION 4.0: ARTIFICIAL
INTELLIGENCE DIMENSIONS**

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ABSTRACT

Education is the backbone of society across the globe. The constant changes required to cater to changing lifestyles of the learners, their learning inquisitiveness, change in education policies, external factors, and natural or manmade disasters demands progressive automation of teaching-learning evaluation (TLE) techniques. The transformation journey in the education sector has witnessed various teaching pedagogy, which was earlier teacher-centric. In this VUCA world (volatile-uncertain-complex-ambiguous), the aim of educational institutions (EI) is to make teaching more flexible and practical. Dynamic needs of the millennial would be catered by implementing

2) *Blockchain for Smart Cities , AY (2020-21):*

1. *Web Link :*

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Blockchain for Smart Cities

Edited by

Saravanan Krishnan

Valentina Emilia Balas

E. Golden Julie

Y. Harold Robinson

Raghvendra Kumar



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2021, Pages 183-210



Chapter 10 - Introduction to blockchain and distributed systems—fundamental theories and concepts

Neha Sharma¹, Madhavi Shamkuwar², Sakthi Kumaresh³, Inderjit Singh⁴, Amol Goje⁵

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Abstract

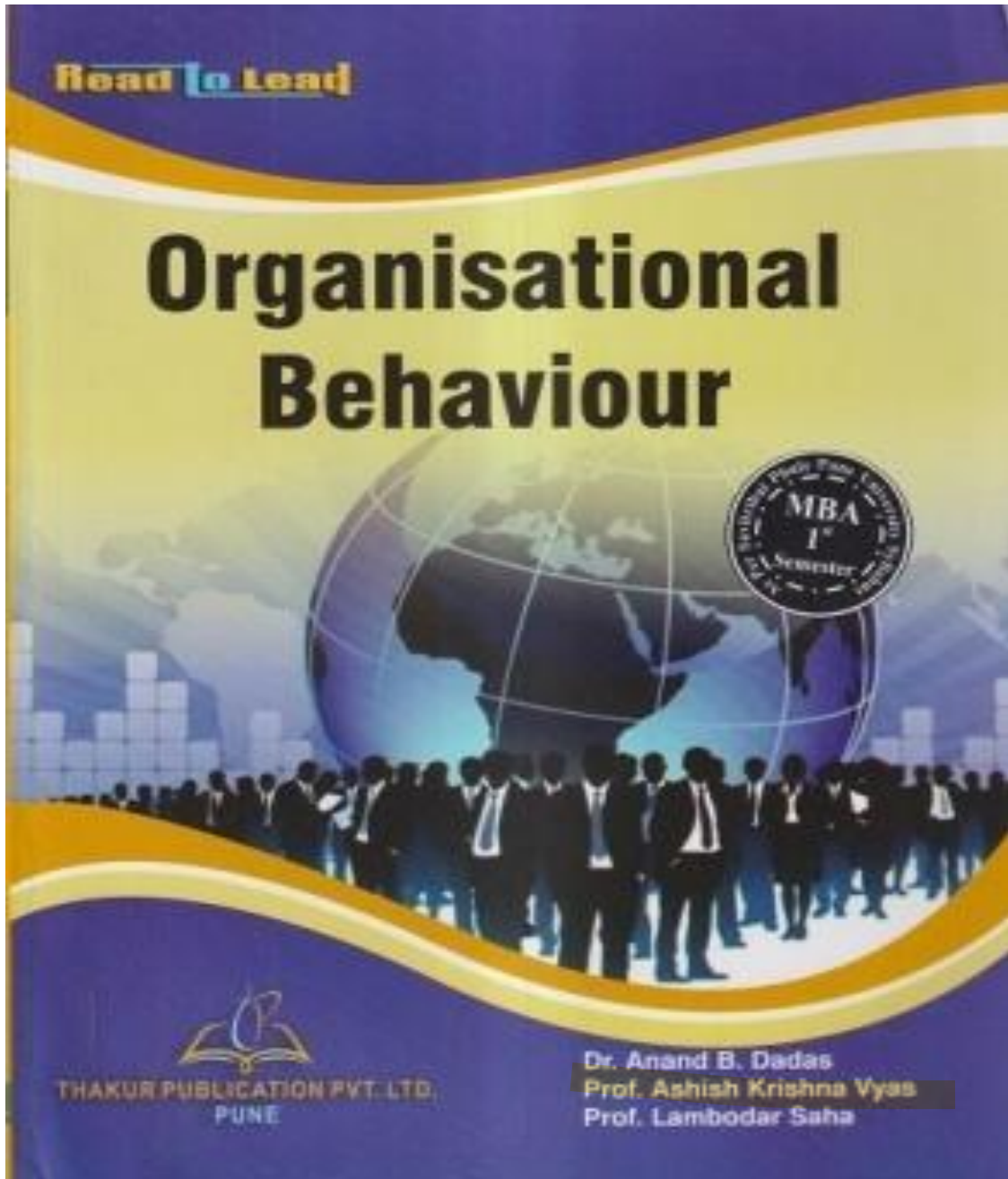
Blockchain is among the foremost significant technical innovation during latest period. It's a clear money exchange system that changed the approach an

~~occupation is held. It's becoming widespread due to its indisputable security and~~

3) *Organizational behaviour ,AY (2020-21):*

1. Web Link :

<https://www.tppu.org.in/2020/first-sem-/2377-organisational-behaviour-book-for-mba-1st-semester-sppu-9789388809795.html>



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Chapter 1

Fundamentals of OB

1.1. MANAGEMENT

1.1.1. Meaning and Definition of Management

The term 'management' stands for the act of planning, organising, directing and controlling the activities of human beings and physical resources with the intention of accomplishing a predefined objective. Being broad in nature the word carries many contextual meanings.

It is looked upon as a 'factor of production', as a 'class of persons', as a 'process' and as an 'exploiting set of people' from the viewpoints of economists, socialists, management practitioners and trade unionists, respectively.

According to Louis Allen, "Management is what a manager does".

According to James D. Mooney and Allan C. Reiley, "Management is the art of directing and inspiring people".

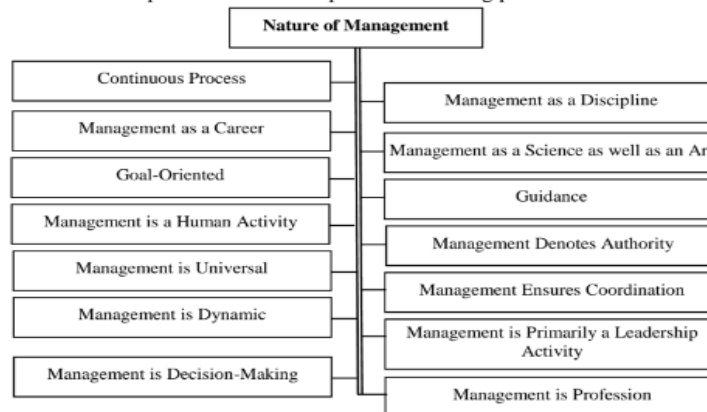
According to Peter Drucker, "Management is a multipurpose organ that manages a business, manages manager and manages workers and work".

According to Koontz and O'Donnel, "Management is the creation and maintenance of an internal environment in an enterprise where individuals, working in groups, can perform efficiently and effectively toward the attainment of group goals. It is the art of getting the work done through and with people in formally organised groups".

In a nutshell, it is portrayed as 'an activity' or 'a process' executed by 'a group of people' dynamically engaged with the authorities to make decisions or policies. Simply, it can be stated that, management is the job of a manager, who exhibits the art of managing the people and getting the things done with the help of formally organised groups of people.

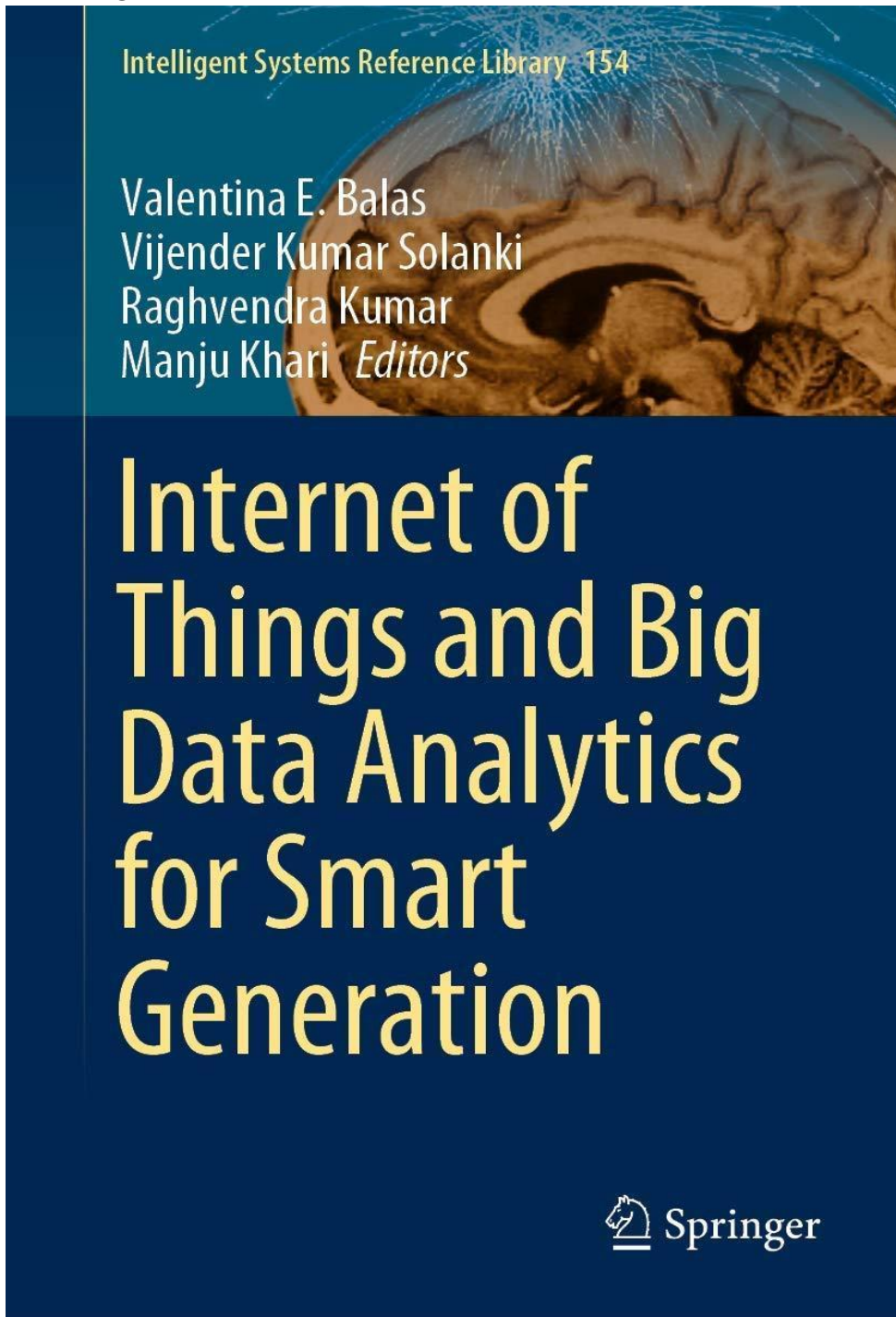
1.1.2. Nature of Management

Nature of management can be explained with the help of the following points:



4) *Internet of Things and Big Data Analytics for Smart Generation, AY (2009-20)*

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Chapter 3 The History, Present and Future with IoT



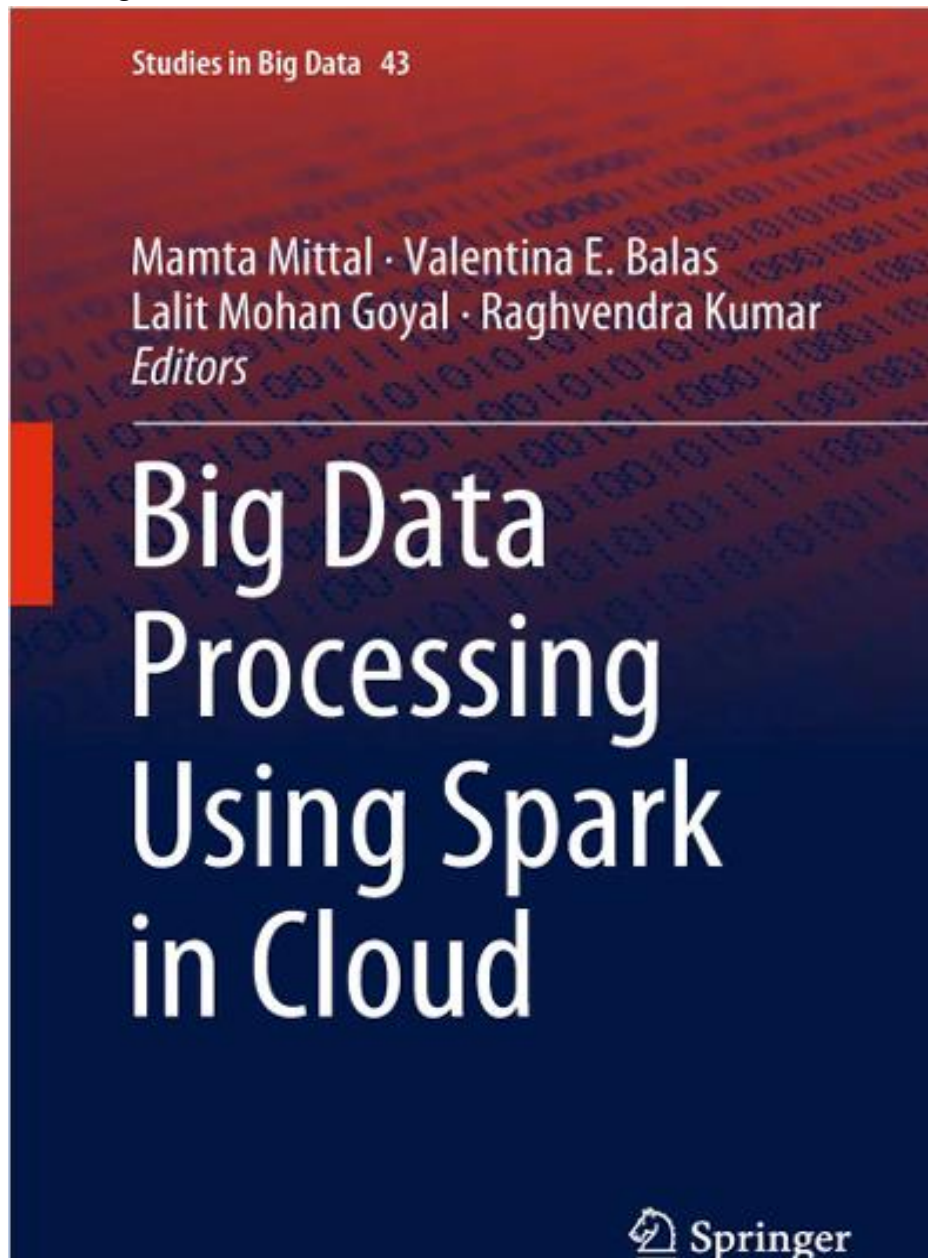
Neha Sharma, **Madhavi Shamkuwar** and Inderjit Singh

Abstract Human beings quest for making comfortable life is due to their inquisitiveness about technical arena. Over the last few decades, mankind had experienced technical transformational journey with the inventions of new technology frontiers. These frontiers have interacted with human beings and performed every possible work in shorter period of time and with a much greater accuracy. With the advent of 'Smart Concepts', the world is now becoming more connected. Precisely termed as hyper-connected world. The smart concepts includes smart phones, smart devices, smart applications and smart cities. These smarter concepts forms an ecosystem of devices whose basic work is to connect various devices to send and receive data. Internet of Things is one the dominating technology that keeps eye on the connected smart devices. Internet of Things has brought applications from fiction to fact enabling fourth industrial revolution. It has laid an incredible impact on the technical, social, economic and on the lives of human and machines. Scientists claim that the potential benefit derived from this technology will sprout a foreseeable future where the smart objects sense, think and act. Internet of Things is the trending technology and embodies various concepts such as fog computing, edge computing, communication protocols, electronic devices, sensors, geo-location etc.

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5) Big Data Processing Using Spark in Cloud:

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Big Data Analysis in Cloud and Machine Learning



Neha Sharma and Madhavi Shamkuwar

Abstract In today's digital universe, the amount of digital data that exists is growing at an exponential rate. Data is considered to be the lifeblood for any business organization, as it is the data that streams into actionable insights of businesses. The data available with the organizations are so much in volume that it is popularly referred as big data. It is the hottest buzzword spanning the business and technology worlds. Economies over the world is using big data and big data analytics as a new frontier for business so as to plan smarter business moves, improve productivity, improve performance, and plan strategy more effectively. To make big data analytics effective, storage technologies, and analytical tools play a critical role. However, it is evident that big data places rigorous demands on networks, storage and servers, which has motivated organizations and enterprises to move on cloud, in order to harvest maximum benefits of the available big data. Furthermore, we are also aware that conventional analytics tools are incapable to capture the full value of big data. Hence, machine learning seems to be an ideal solution for exploiting the opportunities hidden in big data. In this chapter, we shall discuss big data and big data analytics with a special focus in cloud computing and machine learning.

Keywords Big data · Big data analytics · Machine learning · Cloud computing
Cloud technology · SaaS · PaaS · IaaS · Supervised learning · Unsupervised learning

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