



3.3.2 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years

Contents

Dr. Shiji Shukla: Advanced and Applied Practices in Management, Social Science and Technology... 2

Dr. Vaibhav Modak: Blockchain Technology - Advanced Technology for transformation of Transparent Information 4

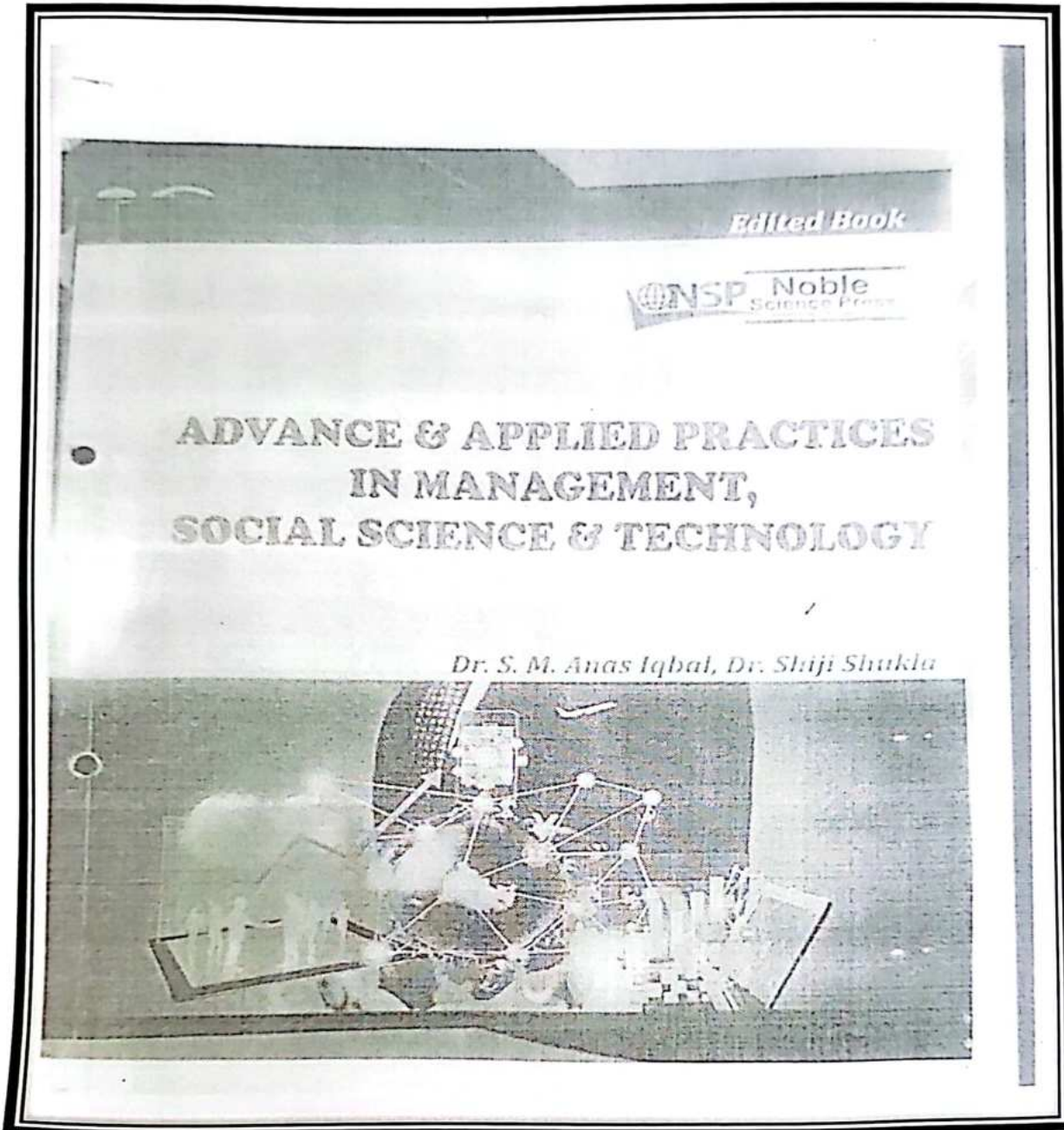




Indore Institute of Management & Research

Affiliated to - DAVV(Indore) & Approved by - AICTE(New Delhi)

Dr. Shiji Shukla: Advanced and Applied Practices in Management, Social Science and Technology





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Published By
Noble Science Press (International Publishing)
Aggarwal Plaza, LSC-1, Mayapuri Vihar Phase 3, Delhi-110066
Email Id: noble-sciencepress@gmail.com
submission@noble-sciencepress.org

Content Editor (s) Dr. S.M. ANASIQBAL Dr. SHIJISHUKLA

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Typesetting by: Ms. Shama
NSP ID: NSP/SP/A/043-24
Printed by: KAAVY Media Pvt. Ltd., Delhi
Marketing by: KAAVY Publications, Delhi
Edition: 2024
Price/Copy: INR 975/- US\$35
ISBN: 978-81-971124-5-4
DOI: https://doi.org/10.32458/9788197112454_024.nsp.pdf

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Dr. Vaibhav Modak: Blockchain Technology- Advanced Technology for transformation of Transparent Information



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Certificate of Appreciation

08/08/2024

This is to certify that **Dr.Vaibhav Modak** Have contributed chapter in the edited book entitled
Quality Assurance in Education: Transformation Innovations and Best Practices
(ISBN No: 978-93-340-0369-7)

Congratulation and thanks you for your valuable contribution to this project
We believe that your chapter will make a valuable addition to the overall volume and will be of interest to our readership



Dr. Gunjan Shuklaa
Principal
SICA College, Indore





Indore Institute of Management & Research
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ISBN : 978-93-340-0369-7

**Quality Assurance in Education
Transformation, Innovations and Best Practices**



Editors

Dr. Gunjan Shuklaa

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SICA College, Research Cell





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**Quality Assurance in Education
Transformation Innovations and Best Practices**



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Printed and Published by
Research Cell
SICA College, Indore

ISBN No: 978-93-340-0369-7



Quality Assurance in Education: Transformation Innovation: and Best Practices

CONTENT

	Author	Title	Page no
1	Dr. Anuradha Mishra	Changes in Interdisciplinary Approach in Higher Education	6
2	Dr. Ashtha Nagar	Quality and Innovation: Driving Forces in Business Management	10
3	Dr. Jaikishan Sahu	Innovations and Best Practices in the Taxation System of India through Tax Modeling	25
4	Dr. Madhvi Acharya	Enhancing Quality Assurance in Examination Processes: A Comprehensive Approach	35
5	Dr. Meeta Baid	Innovative Practices to Enhance Interest in Learning English Communication Skills among Professional Students	44
6	Dr. Neha Sahu and Dr. Mansi Kukreja	Optimizing Project Monitoring and Control through Risk Assessment and Innovation	50
7	Dr. Prajakta Ankalikar	A Study of Quality Assurance in Education through Spiritual Practices	61
8	Dr. Preeti Nandwal and Dr. Atul Nandwal	Educational Evolution: AI-Enabled Transformative Measures for Enhanced Learning Experiences	65
9	Dr. Ranjana Kamungo	The Dynamic Landscape of Higher Education	72
10	Dr. Sukhjeet Kaur Matharu and Sujata Nambiar	Shaping the lives of poor rural women: a Conceptual Study of a Social Enterprise in India	84
11	Dr. Swati kendirkar, Alok Anand Jha and Dr. Manoj Songara	New Education Policy : Bridging the Ancient Wisdom and Present Knowledge to solve Modern Societal Problems	87
12	Dr. Vaibhav Modak	Blockchain Technology - Advanced Technology for transformation of Transparent Information	93
13	Mr. Abhay Neema	Journalism and Mass Communication Teaching Challenges & Opportunities	98
14	Mr. Aditya Raman	Enhancing Quality Assurance and Technological Innovation in Higher Education	101
15	Mr. Alok Anand Jha, Ms Princy Jain and Ms Simran Kaur Sodhi	Quality Assurance in Education: A Giant Leap towards National Growth	104



Quality Assurance in Education: Transformation Innovations and Best Practices:

	Author	Title	Page no
16	Mrs. Anju Chaudhari	Important Aspects of Indian Knowledge System and Its Relevance in Current Time and In Education System	115
17	Mr. Ashish Tiwan	Study on Research Misconduct for Quality Assurance in Education	123
18	Ms Bhavya Bhatt, Mr. Aryan Umesh Das and Mr. Mayank Khandelwal.	Investigating the Socio-Environmental Dynamics of Climate Change Implications for Communities and Ecosystems	128
19	Mr. Dinesh Saliba	Assuring and Enhancing Quality in Computer Science	138
20	Ms. Harshita Joshi	Best Practices and Innovation in Higher Education	145
21	Mr. Hemant Singh	Yoga and Wellness	151
22	Mr. Jabu Yusuf Sheikh and Dr. Ranjana Kanungo	The Intersection of Technology and Education from the 2020 NEP Perspective	156
23	Mr. Jitendra Choudhary	Transformative Strategies for Teaching Ethics in Media Education for India's Future Media Landscape	162
24	Ms. Kamakshi Gehlot	Emerging Trends and Quality Assurance in the field of Physical Sciences	165
25	Mr. Mayank Jangu	Transformation and Innovation in Trade and Commerce Education: A study on previous to current journey	170
26	Ms. Madhavi Tarani and Ms. Tejal Navrangani	Digital Transformation & Ethical Practices: A Key to Enduring Success	179
27	Ms. Namrata Sharma and Dr. Shweta Dagaonkar	Role of Quality Assurance in Education: Transformation, Innovation	187
28	Mrs. Pranbha Saraswat	Cultivating a Set of Skills through Vocational Education: A Study of New Education Policy 2020	198
29	Ms. Shalini Singh	Effect of Yogic Exercises on Secretion of Cortisol: Psycho Somatic Stress Factor during Pre-Examination Period	208
30	Ms. Shikha Sharma	Privatization and Its Impacts on Quality Assurance in Education: Transformation Innovations and Best Practices	215
31	Mr. Vishank Tiwari	Bracing Education through Integration of Yoga in Curriculum of Teacher Education	226
32	प्र. विकास सलकर	वराजगारा उद्भूतन मे व्यावसायिक शिक्षा का योगदान (NEP2020 के विशेष संदर्भ में)	234



Quality Assurance in Education, Transformation Innovations, and Best Practices

Blockchain technology - Advanced Technology for transformation of Transparent Information

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Abstract

Blockchain is advanced innovative system of transferring the information which is made to ensure the security of the recorded information that no one can misuse or unauthorized access to such information. It is divided into ledger which shows the transaction on each computer of network which are sharing the same information with each other. Every information passes through various channels & checked and then approved. In this technology transaction is recorded and its features enable it to safe from the unethical practices like fraud, manipulation, leak of information, hacking etc. It is based on distribute ledger which shares the information with all the network of computers where different users can see & use of such information. Information is easily passed to all the stakeholders. No one can change the information or edit the contents of it.

Characteristics of Blockchain Technology

- 1) Transparent & control over the system
- 2) Network sharing the same information with everyone
- 3) Subdivided ledgers
- 4) Real time watch & updating in records
- 5) Safe & secure transactions
- 6) Use of Public key & Private Key
- 7) Follow-up & tracking of transactions easily
- 8) Eliminate the fraudulent activities

Area of Blockchain Technology

- 1) Accounting & Audit
- 2) Hospital Sector
- 3) Pharmaceuticals
- 4) Banking
- 5) Property Sector



Quality Assurance in Education: Transformation Innovations and Best Practices

Use of Blockchain Technology in Various Sectors

We can take an example of the bank transaction where a customer wants to withdraw money from his own account, but the permission of withdrawing money will be checked on several levels. First the withdrawal slip is used to check by the counter clerk whether it is properly filled up or not? Account number is correctly written in the slip or not?

Now he tells the balance of account to the customer if he asks the counter clerk then the token is given to the customer for going in front of cashier to receive the payment. Cashier calls the token number & one by one attends the customer according to given token number. This process is used to keep the transaction systematically in a manner that a wrong person will not get the payment. When the cashier is satisfied with the details of the customer, and he matches the signature with the specimen signature and the passing officer allows the transaction and the cashier makes the entry in the software also. He also keeps the evidence of proof the counter part of withdrawal slips or cheques with him.

In hospitals usually a doctor writes a prescription for a patient for diagnosis of a problem then the patient goes to buy the medicines from the medical store of that hospital or somewhere else based on the prescription. Then generally the medical store person uses to see the prescription and ask for the doctor's name. While making a medical bill he always used to mention the name of the doctor in it. It is just a security purpose that he is selling the medicine which is correct & authentic. This system ensures that the patient's health & life is safe because through proper channels medicines are coming to him.

Blockchain process enables counterfeit or fraudulent drug prevention, distribution, tracking, tracing, control & proper follow-up of the entire system. It saves transport time & cost both. The main advantages are that customers can easily trust on the services because the drugs are directly related with their health so these should be genuine, safe & trustworthy.

Working through Blockchain Technology in a Business Environment

