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

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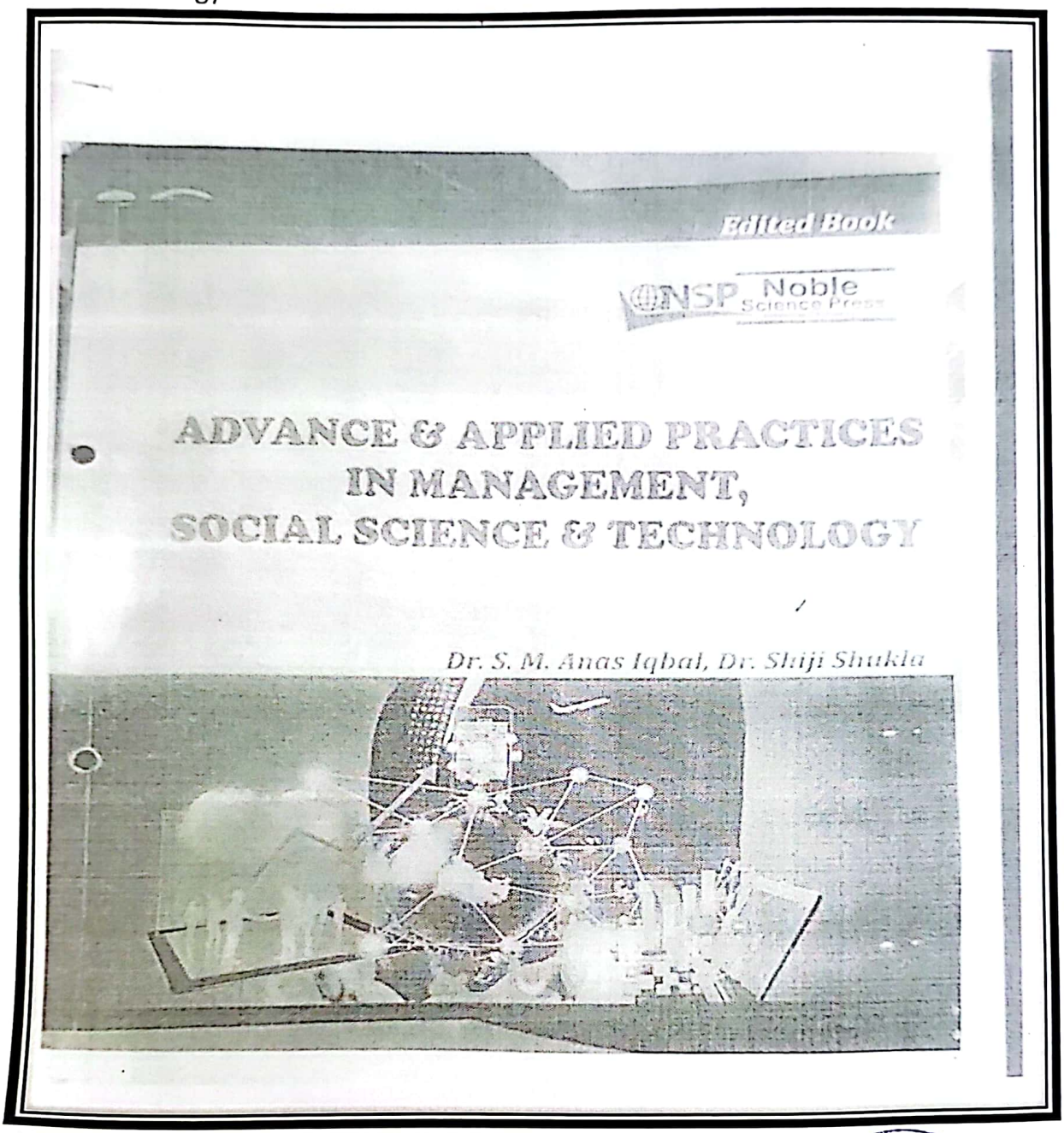
Dr. Shiji Shukla: Advanced and Applied Practices in Management, Social Science and Technology



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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
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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

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Transformation Innovations and Best Practices

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Blockchain technology - Advanced Technology for transformation of Transparent Information

Dr.Vaibhav Modak
Indore Institute of Management & Research, Indore

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

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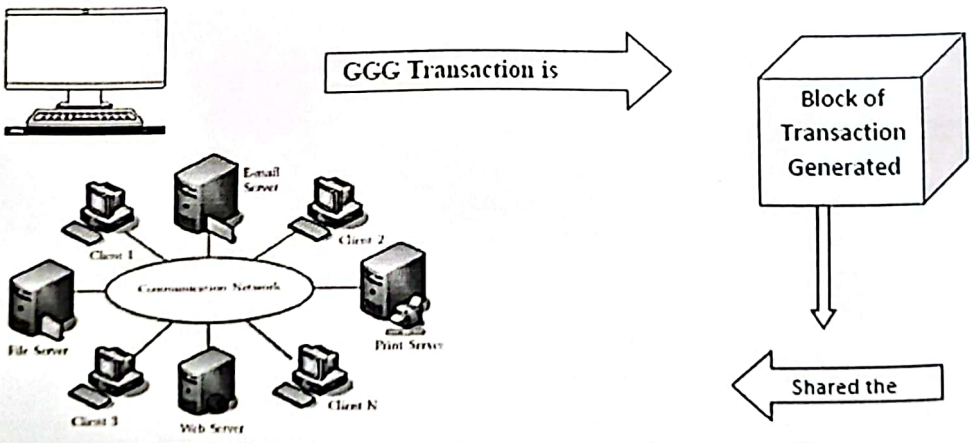
Use of Blockchain Technology in Various Sectors

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

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

Block-chain process enables the 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 that customers can easily trust on the services because the drug are directly related with their health so these should genuine, safe & trustworthy.

Working through Blockchain Technology in a Business Environment