Blockchain Technology

About NIELIT

NIELIT is an autonomous Scientific Society under the administrative control of Ministry of Electronics & Information Technology (MeitY), Government of India. NIELIT Chandigarh was established in 1978 to provide professional services in the areas of Information, Electronics & Communication Technology (IECT). NIELIT Chandigarh is engaged in development of industry oriented quality education and training programmes in the state-of-the-art areas.

About Course

The course brings the concept of Provence, decentralization and immutability to the transaction data, which is required for every sphere of ITES applications. It will stress upon how Blockchain technology can solve business problems and how to leverage chaincode to develop applications.

Course Objective

The learner will learn the blockchain key elements and gain a strong knowledge of the technology and its implementation in Python. Further, the learner will learn to develop immutable and decentralized applications.

Brief Contents

- ❖ Blockchain – fundamentals, evolution-history, uses, application areas
- ❖ Cryptographic Algorithms, Public-Private key, Digital Signature, Digital Certificates
- ❖ Blockchain components and applications, Blocks, transactions, DLT, mining, proof of work, consensus, mining, transactions
- ❖ Public vs Private Blockchain
- ❖ Use-cases of Blockchain

- ❖ Understanding python to building a customized blockchain, Implementation of blockchain and all its concepts in python using flask
- ❖ Introduction to Ethereum, Implementing, Concept of Smart Contract, Ether wallet
- ❖ Using Solidity to write a smart contract.
- ❖ Decentralized Applications – DApps
- ❖ Introduction to Hyperledger

Eligibility	Knowledge of any Programming Language	Duration	Two Weeks	Fee	Rs. 1000/- + 18%GST

For further details, Contact:

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