



Digital Lync

EDUCATION - INNOVATION - INCUBATION



BLOCKCHAIN

www.digital-lync.com

COURSE CURRICULUM

✔ Module 1 : Introduction to Blockchain

What is a Blockchain

What are Bitcoins and Ledgers

Mining and Miners

Centralised vs Decentralised vs Distributed databases

Transaction flow

What are Merkle trees

Hashing ,Dual-Key Encryption and digital signatures

✔ Module 2 : Types of Blockchains

Public Blockchains and examples

Private Blockchains and examples

Consortium Blockchains and examples

✓ Module 3 : Public Blockchain

Flow in blockchain info (Account creations,-
-terms in blockchain)

b. Api's for Public Blockchains and introducing-
-Blocktrail Api

c. Live demo of project that used blockchain api

d. Project that performs transactions , Creation-
-of Blockchain addresses, Send and Receive-
-functionality, Qr code generations

✓ Module 4 : Private Blockchain

What are Private Blockchains and examples

What is Ethereum

Ethereum Virtual Machine

What are DApps and examples

Introduction to Solidity, Solidity IDE, Mist Browser,-
-Genesis.json

What are Smart contracts and Examples in solidity

Creation of chain data and private accounts in ethereum

Project related to ethereum that creates smart contracts-
-one Dapp

✔ Module 5 : Proof of Existence

Concept of Proof of Existence and examples

Project related to Proof of Existence that has Bitcore,-

-Blocktrail, blockchain api for creating permanent-

-storing data in blockchains

✔ Module 6 : DAO/DAC

✔ Module 7 : Web 3 FrameWork

✔ Module 8 : Miscellaneous

What are Consortium Blockchains

Introduction to Hyperledger and Multichain

What are Hybrid Blockchains



HEADQUARTERS

Digital Lync Technologies,
Above Andhra Bank, Khajaguda, Naga Hills Rd,
Gachibowli, Hyderabad, Telangana - 500008

Email : info@digitallynctech.com

Ph.No. : +91 709 386 1616, +91 889 753 1616