BlockChain Foundation

Digital Lync

EDUCATION - INNOVATION - INCUBATION

01

Welcome To

Digital Lync

Digital Lync empowers technology seekers by providing world class infrastructure, best quality project based technology education, Research and Development of great products and supports enthusiastic new entrepreneurs.

Our Process

Career Guidance

Expert counsellor advises to match your skills with trending technologies in the industry.

Choose Course

You pick and we guide. We mentor you all along and help you throughout your learning process.

Placement Assistance

We are a link to your awesome future! We recognize, enhance and present your skills to the coolest companies.

www.digital-lync.com

BlockChain Foundation

Learning in depth concepts of What is blockchain , who are miners, transaction flow, block hash creation, types of blockchains , ethereum, truffle,web3js, creation of private blockchains and smart contracts, basics of solidity, types of wallets and cryptocurrencies, hyper ledgers and multi chains.

DURATION: 30+ HOURS

PREREQUISITES:

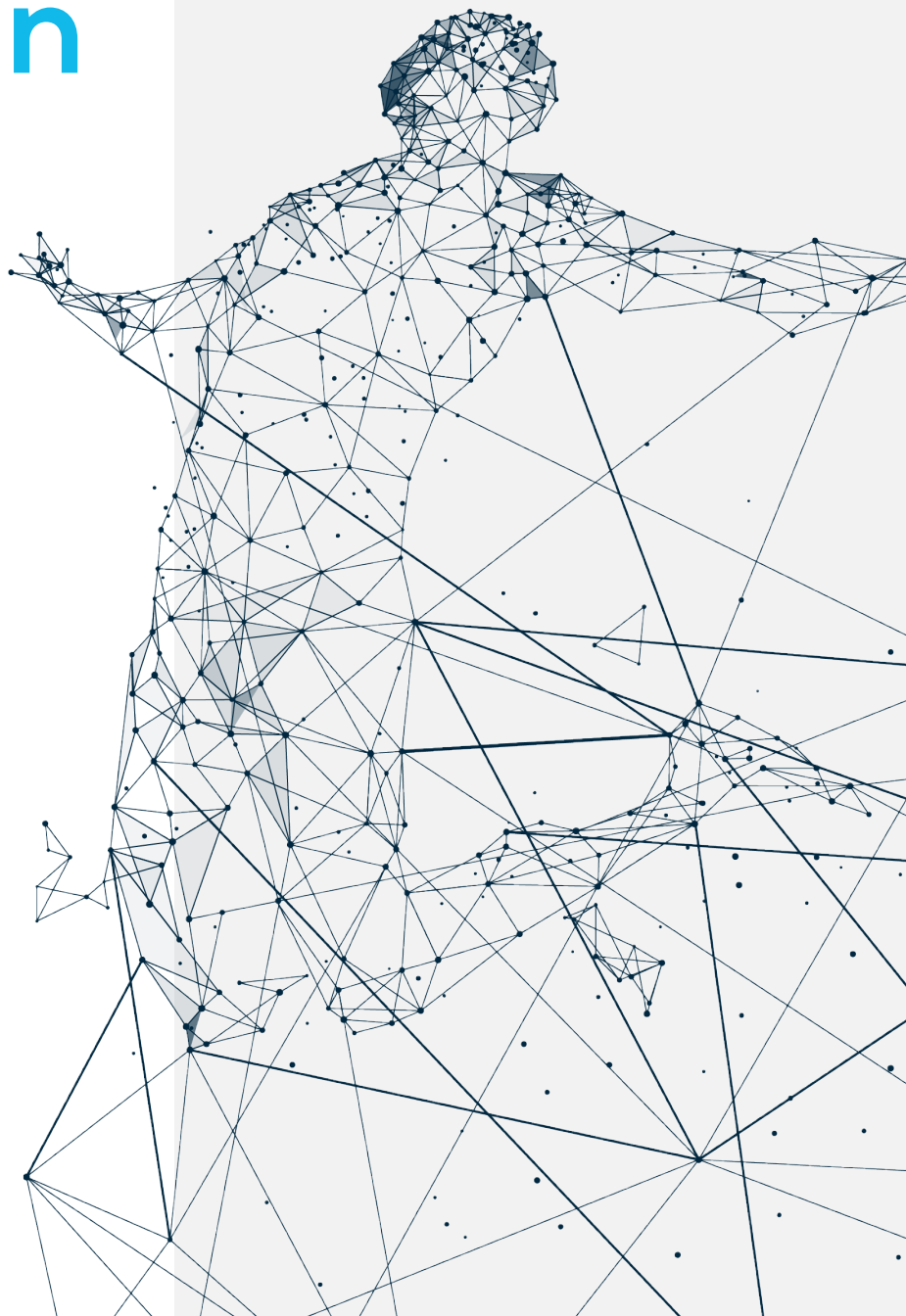
- Basic understanding of databases
- Knowledge in Javascript or Python is a plus but
- not Mandatory
- Basic cryptographic knowledge is a plus

CAREER OPPORTUNITIES

Blockchain Developer
Blockchain Engineer

Why BlockChain Foundation

By Understanding in depth concepts of blockchain we gradually change our views on how to create a decentralized way of creating applications by using any programming language. Attending this program will give full control on important keywords on blockchain and global terms that are used to deal with like companies and their projects. Creating own blockchain and own cryptocurrencies will give full control and access to people whom and what to allow and with enough computational resources we can make it as immutable (suitable for government related projects for more transparency and security)



02

BlockChain

Curriculum

MODULE 1:
BASICS OF BLOCKCHAIN

- What is blockchain
- Centralized vs Decentralized vs Distributed systems
- What are digital ledgers
- What is a bitcoin and types of cryptocurrencies
- Difference between bitcoin and blockchain
- What is Mining and transaction validation
- What is nonce
- Transaction flow of blockchain website
- Proof of Work

MODULE 2:
CRYPTOGRAPHY IN BLOCKCHAIN

- What is hashing and digital signatures
- Types of cryptographic algorithms.
- What is dual-key encryption (public & private encryption)
- Usage of cryptography in blockchain and transaction validation
- What are merkle trees and root
- Creation of block hash

MODULE 3:
TYPES OF BLOCKCHAIN

- Public blockchains and examples
- Private blockchains and examples
- Federated vs Consortium blockchains and examples
- Difference between permissioned vs permissionless blockchain

MODULE 4:
ETHEREUM

- What is Ethereum
- Ethereum architecture
- Introduction to dapps and examples
- What are smart contracts
- Introduction to solidity
- Difference between ethereum and bitcoin blockchains
- Swarm vs IPFS
- Web3 js introduction, proof of stake

MODULE 5:
PRIVATE BLOCKCHAIN

- Difference between public,private,test networks
- Creation and explanation of genesis file
- Downloading and explanation of geth
- Web3js commands and usage in geth
- Creation of private blockchain using geth
- Connecting nodes in blockchain (temporary and permanent)
- Connecting nodes in same, different networks
- Connecting nodes using cloud and localhost
- Accounts creation, transactions and mining in node.

MODULE 6:
SOLIDITY

- Creating first smart contract
- Remix IDE, Metamask, Mist browser
- Deploying in private blockchain
- Attaching an user interface
- Mini Project using solidity

MODULE 7:
TRUFFLE FRAMEWORK

- Truffle introduction and unboxing
- Truffle commands and usage
- Coding explanation using truffle + solidity

MODULE 8:
HYPER LEDGERS

- Introduction to hyper ledgers
- Minor Application using hyper ledgers

MODULE 9:
MISCELLANEOUS

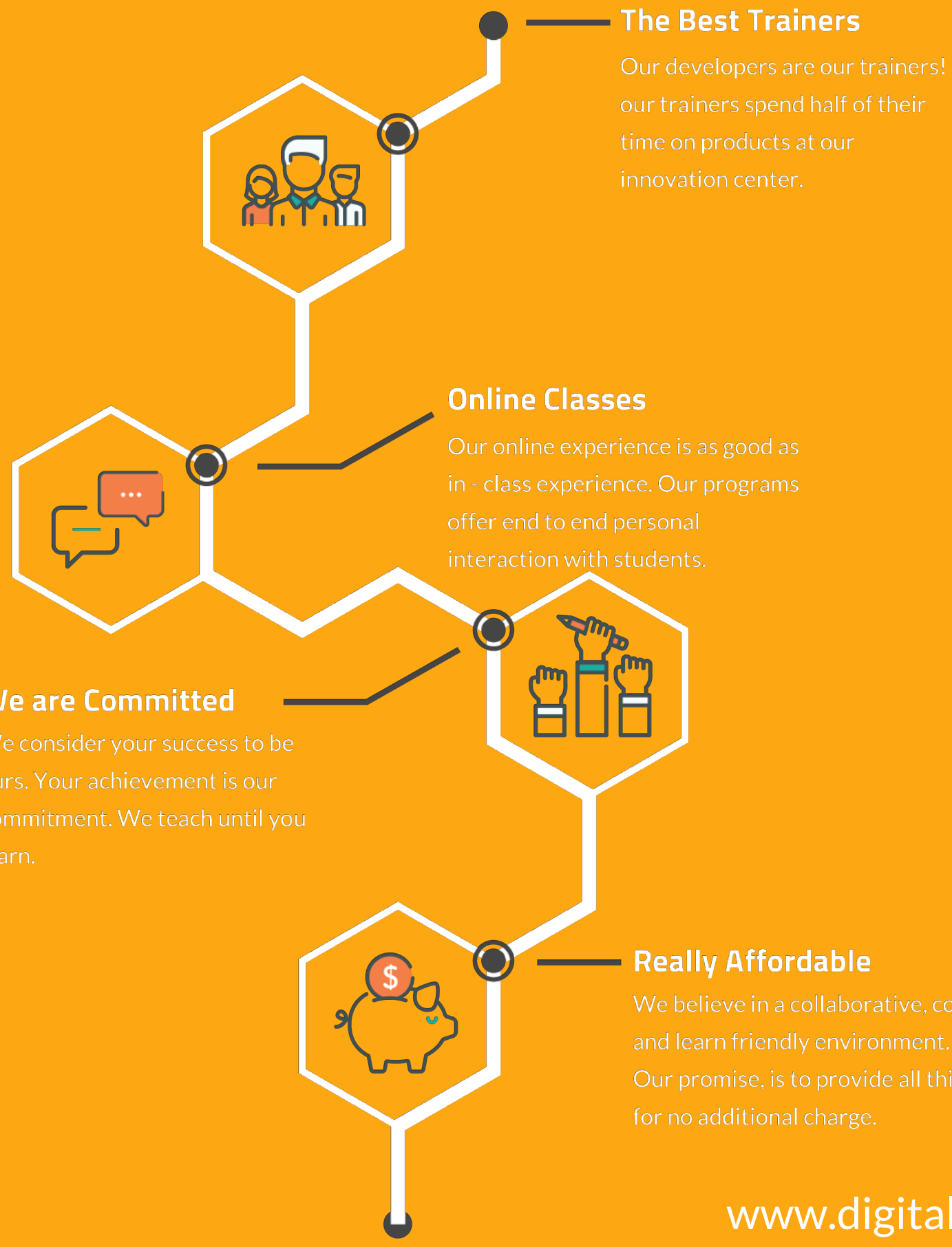
- What are Multi Chain and uses.
- What are Hybrid Blockchains
- Types of wallets to store cryptocurrencies
- Introduction to DAO/DAC
- What is Segwit

MODULES:
BLOCKCHAIN FOUNDATION

- Blockchain:- Blockchain is a decentralized and distributed database in which data embedded to transactions will be immutable
- Solidity :- Used as a language for creating decentralized applications in Ethereum platform.

04

Why Digital Lync



The Best Trainers

Our developers are our trainers! our trainers spend half of their time on products at our innovation center.

Online Classes

Our online experience is as good as in - class experience. Our programs offer end to end personal interaction with students.

We are Committed

We consider your success to be ours. Your achievement is our commitment. We teach until you learn.

Really Affordable

We believe in a collaborative, cool and learn friendly environment. Our promise, is to provide all this for no additional charge.

www.digital-lync.com

Trending Technologies

- Python
- Devops
- AWS
- Azure (Cloud Computing)
- Data Sciences
- Deep Learning
- Artificial Intelligence
- Data Analysis
- Big Data
- FullStack
- Digital Marketing
- Mobile Development
- Blockchain
- Visual Design
- Game Development
- IOT
- Cyber Security

BRANCHES

Gachibowli

Khajaguda, Naga Hills Rd,
Madhura Nagar Colony,
Gachibowli, Hyderabad.

9652021616 / 7093861616

Kukatpally

Manjeera Trinity Corporate,
1st floor, office no. 106 & 107,
Kukatpally, Hyderabad.

9652978616 / 7093861616

SR Nagar

31/A , Chitti Classics, Adjacent to
SR Nagar Police Station Signal,
Balkampet Main Road,Hyderabad.

9704661616 / 7093861616

Dilsukhnagar

Near Telephone Colony Arch,
Yashoda Speciality Clinic
Building 3rd floor,
Kothapet, Hyderabad.

9652678616 / 7093861616

Guntur

Emgee House,
Chandramouli Nagar,
Guntur, Andhra Pradesh.

9652741616 / 7093861616

San Francisco

1 Hallidie Plaza,
San Francisco,
California, 94102.

Malaysia

A3-6, Jalan Sri Hartamas 17,
Sri Hartamas, 50480,
Kuala Lampur, Malaysia.

CONTACT

www.digital-lync.com

7093861616 / 8897301616