**Applied Block chain & Smart Contracts Development**

Introduction to Blockchain

Understanding the Need of Cryptocurrency by going through the History & evolution of Money system

Types of Blockchains, Blockchain Architecture (structure & components) Peer to Peer Connectivity

Blockchain Simulation (demo)

Understanding Blocks

Transactions

Types of Nodes Bitcoin History and Statistics

Consensus Algorithm (POW vs POS)

Forks (Hard fork vs Soft fork)

Types of Wallet (hot wallet vs cold wallet)

Crypto wallet setup (demo)

Cryptocurrency transfer (demo)

Transaction fee calculation

Block Explorer Analysis

Introduction to Smart Contract Creating

ERC20 Standard Token & Token Transfer (demo) NFT

Blockchain Mining

Overview Analyzing real world applications of blockchain

Various cryptocurrency related scam awareness

**Who can Attend**

Students  
Career Changers  
Working Professionals  
Entrepreneurs & Start-ups  
Job Seekers  
Hobbyists & Tech Enthusiasts  
Corporate Trainees  
Graduates