

Blockchain

Modules	Content
Module-1:	Blockchain - Enterprise and Industry Perspective
	Defining the terms – what is a blockchain?
	Four core building blocks of blockchain frameworks
	Fundamentals of the secure transaction processing protocol
	Where blockchain technology has been and where it's going
	Blockchain in the enterprise
	Centralized vs. Decentralized Systems
	Layers of Blockchain
	Why is Blockchain Important?
	Limitations of Centralized Systems
Module-2:	Exploring Hyperledger Fabric
	Building on the foundations of open computing
	Fundamentals of the Hyperledger project
	Hyperledger frameworks, tools, and building blocks
	Hyperledger Fabric component design
	Hyperledger Fabric – the journey of a sample transaction
	Hyperledger Fabric explored
	Understanding governance in business networks powered by blockchain
Module-3:	Setting the Stage with a Business Scenario
	Trading and letter of credit
	Business scenario and use case
	Setting up the development environment
	Network components' configuration files
	Launching a sample trade network
Module-4:	Designing a Data and Transaction Model with Golang
	Starting the chaincode development
	Creating a chaincode
	Access control
	Implementing chaincode functions
	Testing chaincode
	Chaincode design topics
Module-5:	Business Networks
	A busy world of purposeful activity
	Defining business networks
	Introducing participants
	Introducing assets
	Introducing transactions
	Implementing a business network
Module-6:	A Business Network Example
	The letter of credit sample

	Examining the live network
Module-7:	Quick Introduction IBM blockchain platform
	IBP Services on IBM cloud
	Walk through of IBP services
Module-8:	The Future of Blockchain and the Challenges
	Ahead Summary of key Hyperledger projects
	The road ahead for Blockchain
	Staying engaged with the Hyperledger blockchain