

Day	Topic	Details Around The Topic
Day 0	What is your Job Profile?	Helps tailor the workshop contents to suit the audience profile, job responsibilities and their expectation from the workshop
	What do you expect from this workshop?	
	Any use case where you see blockchain applies?	
Day 1	What is Blockchain and its Impact?	Getting to know Blockchain - Introduction & Characteristics
		Blockchain Impact on Industry, Economy, Business Process
		Blockchain application Vs. traditional applications (Architecture, Development, Deployment and Scaling)
		Initial Use cases of Blockchain - Bitcoin, Cryptocurrency etc.
	Blockchain Industry Developments*	
Security, Cryptography & Blockchain Concepts	Cryptography (PKI), Immutability, Consensus, Smart Contracts	
	Data Structures in Blockchain - Ledgers, Blocks, Transaction and Understanding Wallets	
Blockchain Classifications	Types of Blockchain & their Features – Private, Public, and Permissioned Blockchain*	
Day 2	Distributed Ledgers and P2P Networks	P2P Architectures and advantages of P2P Paradigm
		Decentralized applications (dApps) and DLT's as a backbone
	Decentralization	Reliance on Intermediaries in Legacy Systems
		Definition of Decentralization - Levels & Extents
		Offchain & Onchain
	Understanding Immutability and Consensus Mechanisms	Understanding Immutability
		Requirement of Establishing Consensus and Consensus Mechanisms (PoW (Double Spend Problem), PoS, PoET Mechanisms)
	Smart Contracts and Logic Tier	Smart Contracts as the next Logical Frontier
		Definition of Smart Contracts*
		Applicability of Smart Contracts
Smart Contract Do's & Don't		
Day 3	Why use Blockchain	Hot to decide if Blockchain is to be used or not
	Which Blockchain to be used	How to choose the right platform
		The larger picture - Blockchain with IOT, AI & ML
	Use Cases of Public & Private Blockchain and various applications	What has changed after introduction of Public Blockchain protocols? Understanding Public Blockchain through some use cases*
		d-Governance: Impact of Blockchain
		Blockchain Challenges - Adoption & Technical;
NA	Project	Project work (Off site, Cloud VM for individual trainee, email Q&A, Final review)
*	The topic is explained using live use cases	

of Hours
NA
2.5
2.5
1
1
1
2
2
1
1
5
NA