

WEEKLY REPORT

Work done in last week (Attach supporting Documents):

26/05/2025 Monday

9:30 – 11:30	Completed <i>Introduction to Blockchain:</i> Core concepts, types of blockchains, assets, consensus.
12:00– 2:30	Completed <i>Introduction to Linux Foundation Decentralized Trust</i> Covered LF umbrella projects.
3:00– 5:00	Studied <i>Introduction to Hyperledger Fabric</i>

27/05/2025 Tuesday

9:30 – 11:30	Completed <i>Hyperledger Fabric Model Assets and architecture.</i>
12:00– 2:30	Studied <i>MSP, Identity, and Certificate Authority</i>
3:00– 5:00	Learned <i>Fabric Components – Peer, Orderer, Channel, Ledger</i>

28/05/2025 Wednesday

9:30 – 11:30	Studied <i>Ordering Service and Raft/BFT Implementations</i>
12:00– 2:30	Completed <i>Transaction Lifecycle and Gossip Protocol</i>
3:00– 5:00	Covered <i>Smart Contracts and Fabric Chaincode Lifecycle</i>

29/05/2025 Thursday

9:30 – 11:30	Installed prerequisites for Fabric on Linux (Lab)
12:00– 2:30	Completed installation and testing of Fabric network
3:00– 5:00	Network configuration for Peer and Orderer nodes (Labs 1 & 2)

30/05/2025 Friday

9:30 – 11:30	Created and joined Fabric channels (Channel Config Lab)
12:00– 2:30	Developed and deployed Smart Contracts on Fabric (Chaincode Lab)
3:00– 5:00	Interacted with Chaincode using CLI

Reason for incomplete work:

1. Due to the hands-on nature of labs (especially CA implementation and Gateway service), some advanced sections (Modules 20 to 25) were only partially explored and are scheduled for next week after environment optimization.

Plans for next week:

1. Completing Module 20 to 25 and working in Hyperledger caliper

References:

1. Linux Foundation : trainingportal.linuxfoundation.org/hyperledger-fabric-design-develop-and-deploy-lfs270



Signature of External Guide

Signature of Internal Guide

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