

# **BLOCKCHAIN AND DISTRIBUTED LEDGER TECHNOLOGY LAB SYLLABUS**

1. Deploy a local private blockchain over a network with Ethereum or Rust.
2. Implement the mining module of Bitcoin client using Rust. The mining module, or miner, should produce blocks that solve proof-of-work puzzle.
3. Compile and test smart contracts on a testing framework using the Ethereum Virtual Machine (EVM).
4. Deploy a chaincode using Hyperledger Fabric on a custom network.
5. Create a Hyperledger Fabric Blockchain service on Cloud.
6. Deploying a ERC20 token on the Ethereum Testnet.
7. Launch your own token on alternative blockchain such as BigchainDB

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