1. Blockchain Basics
   * What is Block Chain Technology
   * How it is different from other Decentralized systems

* Some use cases and applications
* Blockchain key concepts:
  + Ledger
  + Security
  + Cryptography
  + PoW
  + Other Consensus mechanism(POS,PBFT,POET) and their comparative analysis
  + Different type of Blockchain networks
  + Key blockchains ( Bitcoin, Hyperledger, Ethereum)

1. Introduction to Ethereum blockchain
   * Ethereum concepts
     + Ether Wallet
     + Gas, Ether, Tokens
     + Ether protocol client
   * Geth and communicating with the blockchain:
     + Installation
     + Running Geth
     + Understanding logs output
     + Attach Geth – JS RPC
     + Geth Management APIs
     + JSON-RPC server APIs
     + Creating an account
     + Introduction to Mining
   * Building your own Ethereum blockchain network:
     + Types of Network
     + Genesis File
     + Use JSON API to launch and manage the network
     + Mining a few Ether on your Private network
2. Ethereum blockchain developer toolkit :
   * GETH
   * MIST/METAMASK
   * REMIX
   * SOLIDITY
   * TRUFFLE
3. Understanding Contracts
4. Contracts Development using Solidity
5. Deploying contracts on Test network
6. A project: Building a web application on top of Ethereum block chain.