BLOCKCHAIN DECENTRALIZATION

06/03/19 – 07/03/19

Topics To Be Covered:

Day 1:

Session 1:
1. What are Blockchains?
2. Blockchain Fundamental concepts
3. Bitcoin Evolution
4. Ethereum Evolution
5. Types of Blockchain
6. Blockchain Applications and Usecases

Session 2:
1. Setting up Metamask wallet
2. Ethereum Concepts and Terminologies
3. Ethereum Development Tools
4. Ethereum Development Environment Setup

Day 2:

Session 3:
1. Smart Contracts
2. Web3/Ganache/Remix IDE introduction
3. Truffle framework introduction
4. Decentralized Apps
5. Truffle framework sample casetudy : Petshop

Session 4:
1. Launch your own Cryptocurrency Token
2. Launch your own crowd sale

Requirements:

1. Ubuntu OS
2. Install the following in 1 system and replicate to other systems after successful installation sudo apt-get update

curl -sL https://deb.nodesource.com/setup_7.x -o nodesource_setup.sh

sudo bash nodesource_setup.sh

sudo apt-get install nodejs

node --version

v7.4.0

npm --version

4.0.5

mkdir -p ethereum_voting_dapp/chapter1

cd ethereum_voting_dapp/chapter1

npm install ganache-cli web3@0.20.1 solc@0.4.23

node_modules/.bin/ganache-cli

Pre-Requisites:

Knowledge on Javascript and nodejs

Maximum Strength: 20-30 persons.

Difficulty Level: Advanced