Week 1: Introduction to Blockchain

Mentor Session Plan

Learning objectives

- Introduction to Cryptography
- Code Walkthrough: Hashing and Basic asymmetric cryptography

Session Structure

Time Distribution of 3 hours	Topic	Detail
First 10 min	Explain the session structure	- Explain the agenda and learning objectives of the session - It is the first week of the module hence we have an introduction session between learners and mentors.
2 hr 30 min	Walkthrough the content in the Notebooks	- Explain the concept of Blockchain, Cryptography, Hashing and Asymmetric Cryptography - Explain Code Walkthrough: - Hashing - Creation of message digest - Basic asymmetric cryptography - Private and Public Key creation - Encryption and Decryption - Serialization and Deserialization - Digital Signature - Public and Private Key Creation - Creation and Verification of Signature - Add your own example(if possible) based on your experience in the same context.

20 min	Interactive Q & A	● Doubt clearing and discussions with participants and summarizing the session