GL BAJAJ
Institute of Technology & Management
FIND YOUR SPARK

Department of Information Technology

BLOCKCHAIN ARCHITECTURE DESIGN KIT-061

Assignment-1

Course Outcomes

CO Code	Course Outcome (CO)	Bloom's Level
KIT061.1	**Describe the basic understanding of Blockchain architecture along with its primitive.**	**K1, K2**
KIT061.2	Explain the requirements for basic protocol along with scalability aspects.	**K2, K3**
KIT061.3	Analysis of Hyperledger Fabric.	**K3, K4**
KIT061.4	Design and deploy the consensus process using front end and backend.	**K3, K4**
KIT061.5	Apply Blockchain techniques for different use cases like Finance, Trade/Supply and Government activities.	**K4, K5**

ATTEMPT ALL QUESTIONS

Q KIT061.1/1 Difference between Traditional DB vs Distributed DB.

Q KIT061.1/2 Define Cryptocurrency and explain its types.

Q KIT061.1/3 Write short notes on: -

- Header (Hash)
- Previous Hash
- Time Stamp
- Nonce
- Merkel Tree

Q KIT061.1/4 Difference between Bitcoin Block Chain and Ethereum Block Chain.

Q KIT061.1/5 What is Consensus Mechanism? Also Explain the Proof of Stake (PoS) Mechanism.

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BLOCKCHAIN ARCHITECTURE DESIGN KIT-061

Assignment-2

Course Outcomes

CO Code	Course Outcome (CO)	Bloom's Level
KIT061.1	Describe the basic understanding of Blockchain architecture along with its primitive.	**K1, K2**
KIT061.2	**Explain the requirements for basic protocol along with scalability aspects.**	**K2, K3**
KIT061.3	Analysis of Hyperledger Fabric.	**K3, K4**
KIT061.4	Design and deploy the consensus process using front end and backend.	**K3, K4**
KIT061.5	Apply Blockchain techniques for different use cases like Finance, Trade/Supply and Government activities.	**K4, K5**

ATTEMPT ALL QUESTIONS

Q KIT061.2/1 Explain the Consensus Protocols for Permissioned Block Chain.

Q KIT061.2/2 What is Permissioned Block Chain? Also explain the working of Permissioned Block Chain.

Q KIT061.2/3 Explain the Practical Byzantine Fault Tolerance Consensus mechanism.

Q KIT061.2/4 Define Design goals of Permissioned Block Chain.

Q KIT061.2/5 Define Best cases for Block Chain and Traditional Block Chain.