



# Fr. Conceicao Rodrigues College of Engineering

Father Agnel Ashram, Bandstand, Bandra –west, Mumbai-50

Department of Computer Engineering

## BCT Practical Plan

<b>Class:</b> BE Computer (A)		<b>Weekly Schedule:</b>				
<b>Course name/code:</b> CSDL7022		<b>Batch A:</b> Thursday 8.45-9.45am				
<b>Academic Year:</b> 2023-24		<b>Batch B:</b> Wednesday 8.45-9.45am				
<b>Name of the teacher</b>		<b>Batch C:</b> Tuesday 8.45-9.45am				
Dr. Ashok M. Kanthe		<b>Batch D:</b> Friday 8.45-9.45am				
<b>Course Outcomes:</b>						
CSDL7022.1 Create cryptographic hash using Merkle tree.						
CSDL7022.2 Design smart contract using solidity for a given application.						
CSDL7022.3 Implement Ethereum blockchain using any of the Ethereum platforms.						
CSDL7022.4 Explore Hyperledger Fabric and its working.						
CSDL7022.5 Demonstrate the concepts of blockchain in real world applications.						
Sr. No.	Title of experiment	Course Outcomes	Batch	Planned date	Actual date	Remark/HoD's Signature
1	To implement Merkle Hash Tree	CSDL7022.1	A	27-07-23		
			B	26-07-23		
			C	25-07-23		
			D	28-07-23		
2	Creating and deploying Smart Contract using Solidity and Remix IDE.	CSDL7022.2	A	03-08-23		
			B	02-08-23		
			C	01-08-23		
			D	04-08-23		



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3	Creating Transactions using Solidity and Remix IDE	CSDL7022.2.	A	10-08-23	
			B	09-08-23	
			C	08-08-23	
			D	11-08-23	
4	Creating a Metamask wallet and performing the transactions to add Ethers and Tokens.	CSDL7022.2.	A	17-08-23	
			B	23-08-23	
			C	22-08-23	
			D	18-08-23	
5	Creating a smart contract using Metamask and performing the transactions.	CSDL7022.2	A	24-08-23	
			B	06-09-23	
			C	05-09-23	
			D	25-08-23	
6	Study of Blockchain platform ethereum using Geth.	CSDL7022.3	A	07-09-23	
			B	13-09-23	
			C	12-09-23	
			D	01-09-23	
7	Creating Smart Contract in Ganache using Remix IDE	CSDL7022.4	A	14-09-23	
			B	27-09-23	
			C	26-09-23	
			D	08-09-23	
8	Case Study on Hyperledger	CSDL7022.5	A	14-09-23	
			B	27-09-23	
			C	26-09-23	
			D	08-09-23	



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9	Mini project	CSDL7022.2 CSDL7022.3 CSDL7022.5	A	05-10-23	
			B	04-10-23	
			C	03-10-23	
			D	15-09-23, 06/10/23	

**Course Instructor: Dr. Ashok M. Kanthe**