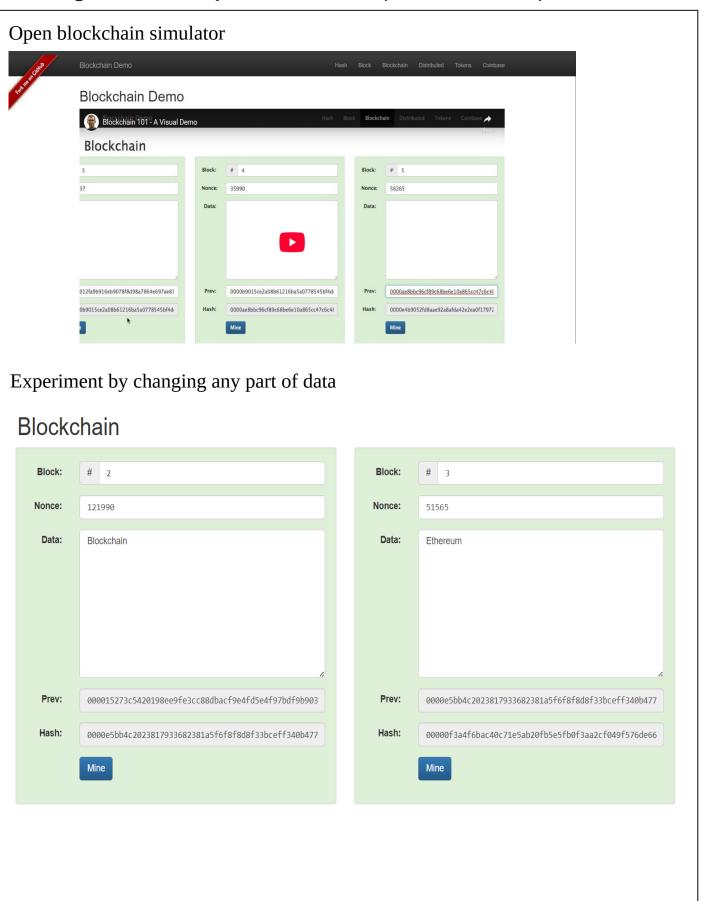
Curative land	School:	Can	npus:						
Contract	Academic Year: Subject Name:	Subject Code:							
Centurion UNIVERSITY Shaping Lives Empowering Communities	Semester: Program:	Branch:	Specialization:						
	Date:	4:							
Applied and Action Learning (Learning by Doing and Discovery)									
	he Experiement: Hash Your First Block –		•						
Coding Phase: Pseudo Code / Flow Chart / Algorithm									
ALGO	ORITHM:								
1.Start									
	for blockchain simulator on brave bro he block details like data in block 1 wl		is auto-generated after						
mining			U						
	ntering the data, click the mine button mulator repeatedly changed the nonce	until it found a	a hash starting with a						
required p	pattern		Ü						
	ve the output this hash is a unique fing nonce, and other metadata.	erprintof the b	lock's data, block						
7. Changi	7. Changing any part of the data resulted in a completely different hash, proving the avalanche effect of hashing.								
8.End	δ.								
* Software	zaro ucod								
* Software used									
Brave br	rowser								

* Testing Phase: Compilation of Code (error detection)



* Implementation Phase: Final Output (no error)

Applied and Action Learning

Blockchain							
Enter block details and mine		# 1		Block:	# 2		
till last block		11316		Nonce:	35230		
1411 1410 010 011	Data:	Blockchain		Data:	Bitcoin		
	Prev:	888000000000888000000000000000000000000	A 0000000000000000	Prev:	1e6669c4a8d12626085cc269619a1ad52ccf43c89b3d689d2e8		
		1e6669c4a8d12626085cc260619a1ad52ccf43c80b3d689d2e8		Hash:	a41f74ee1b79bcde0148542fde2059f92eb1b653b01b2daa98e		
		Mine			Mine		
Blockchain			Block:	# 5			
Block: # 3	k: # 4		Nonce:	56265			
Nonce: 12937 Nonce	e: 35990		Data:	Rust			
Data: Ethereum Data	a: Solidity						
					a		
Prev: a41f74ee1b79bcde0148542fde2059f92eb1b653b01b2daa98e Prev	v: 4382efe3ad6	if815645838ed36690ef01a8d359f38d0d482b930	Prev:	3a0e3c4415	c7fc6cac22fc554dca1390f2e2912348de4f3b44e		
Hash: 4382efe3ad6f815645838ed36690ef01a8d359f38d0d482b930 Hasl	h: 3a0e3c4415c	7fc6cac22fc554dca1390f2e2912348de4f3b44e	Hash:	a66afa3beb	7c702f59efd8568e1a9b0838dd8613ede18e78bc4		
Mine	Mine			Mine			

* Observations

- 1. The hash changes drastically even with a small change in data.
- 2.Mining is essentially trial and error to find a nonce that produces a valid hash.
- 3. This process ensures data integrity and prevents tampering in blockchain.

ASSESSMENT

Rubrics	Full Mark	Marks Obtained	Remarks
Concept	10		
Planning and Execution/	10		
Practical Simulation/ Programming			
Result and Interpretation	10		
Record of Applied and Action Learning	10		
Viva	10		
Total	50		

Signature of the Student:

Name:

Regn. No.:

Page No.....

*As applicable according to the experiment.
Two sheets per experiment (10-20) to be used.