Student Name:	TOTAL	
2.0000000	MARKS	

ID:

Learning Outcomes	Questions
1. Explain blockchain concepts and architecture (C2, PLO1)	Exam
2. Examine the computing issues of blockchain design and developments (C4, PLO2)	Assignment - Documentation
3. Demonstrate the capability of developing blockchain solution with available platform and toolset (A3, PLO6)	Assignment - Implementation

PERFORMANCE CRITERIA – Part 1 [Total: 25%]:

PROPOSAL	Very Poor	Poor	Adequate	Good	Excellent
	0-3	4	5-6	7	8 - 10
Define blockchain	Background of	Simple proposal about	Report created	Good proposal created	Excellent proposal
use case and	business attempted.	background of business	satisfactory but	with well-organized	created with well-
solution	No or hardly any	created but information	background could be	information.	organized information.
	studies given.	was poorly organized.	better organised.	Good explanations given	Excellent explanations
(10 %)		Weak explanations given	Reasonable studies of	about the business in the	given about the
		about the business	the business operations	proposal.	business in the
[CLO2-PLO2]		operations in the proposal.	given in the proposal.		proposal.
	0-5	6-7	8-10	11	12-15
	Poorly presented, not	Average findings. 30 to	Satisfactory findings. 51	Good findings, above	Excellent findings.
	even satisfy 30% of the	50% of the findings/studies	to 70% of the	70% of the studies	Almost all the studies
	findings;	performed;	findings/studies	conducted;	are conducted
	Poorly designed,	Average solution design	performed;	Good design presenting	presenting detail level
	unable to demonstrate	with many rooms of	Satisfactory solution	the blockchain use cases	of understanding;
Detail of findings	the blockchain concept	improvements and	model. Blockchain	and well explained;	Excellent solution
(4=0.4)	into solution;	misunderstanding the basic	concept presented in the	Good discussion. Able to	model with critical
(15%)	Poorly discussion.	of blockchain concepts;	model;	explain the solution and	data/operation
ICLO2 DLO21	Unable to explain the benefits of the	Average discussion. Able	Satisfactory discussion.	benefits in detail.	analysed; Excellent discussion.
[CLO2-PLO2]	blockchain solution.	to explain the fundamentals of blockchain and solution	Able to explain the great benefits as a value added		Able to explain the
	olockcham solution.	being design.	to the business.		blockchain solution
		being design.	to the business.		contributing to the
					business relevantly.

PERFORMANCE CRITERIA – Part 2 [Total: 35%]:

SOLUTION	Very Poor	Poor	Adequate	Good	Excellent
DEVELOPEMNT					
B	0-3	4	5-6	7	8 - 10
Block concept and chain	Blockchain and ledger	Simple blockchain and	Satisfactory blockchain	Good blockchain and	Excellent blockchain and
(100/)	implementation is	ledger but	and ledger implemented	ledger implemented into	ledger implemented into
(10%)	attempted	implementation was	into block. Code snippets	block. Ledger outcome	block. Ledger outcome
[A2 DLO6]	inappropriately. No code snippets	poorly demonstrated. Code snippets found	included.	presented. Code snippets included and explained.	presented. Code snippets included and
[A3, PLO6]	presented.	incomplete.		included and explained.	explained comprehensively.
Hashing algorithm,	0-3	4	5-6	7	8 - 10
Merkle tree	Hashing	Simple hashing algorithm	Satisfactory hashing	Good hashing algorithm	Excellent hashing algorithm
WICI KIE LICE	implementation is	created but	algorithm created and	created and implemented	created and implemented
(10 %)	attempted	implementation was	implemented into block	into block and data	into block and data
(10 70)	inappropriately. No	poorly demonstrated.	and data structure.	structure.	structure.
[A3, PLO6]	code snippets presented.	Code snippets found incomplete.	Code snippets included.	Code snippets included and explained.	Code snippets included and explained comprehensively.
Cryptography	0-1	2	3	4	5
	Cryptography	Simple cryptography	Satisfactory cryptography	Good cryptography	Excellent cryptography
Algorithm	implementation is	algorithm used but	algorithm used and	algorithm used and	algorithm used and
	attempted	implementation was	implemented into block	implemented into block	implemented into block and
(5%)	inappropriately. No	poorly demonstrated.	and data structure.	and data structure.	data structure.
	code snippets presented.	Code snippets found incomplete.	Code snippets included.	Code snippets included and explained.	Code snippets included and explained comprehensively.
[A3, PLO6]	1	*		•	explained complehensively.
Digital signature	0-1	2	3	4	5
Digital signature	Digital signature	Simple digital signature	Satisfactory digital	Good digital signature	Excellent digital signature
(5%)	implementation is attempted	algorithm used but implementation was	signature algorithm used and implemented into	algorithm used and implemented into block.	algorithm used and implemented into block.
(878)	inappropriately. No	poorly demonstrated.	block. Code snippets	Code snippets included	Code snippets included and
[A3, PLO6]	code snippets presented.	Code snippets found	included.	and explained.	explained comprehensively.
[- ,]	11 1	incomplete.		•	1
Immutability technique	0-1	2	3	4	5
(50/)	Implementation of	Immutability for	Satisfactory immutability	Good immutability for	Excellent immutability for
(5%)	immutability for	transaction is discussed	implementation used and	transaction	transaction implementation
[A2 DI OC	transaction is attempted inappropriately. No	but implementation was poorly demonstrated.	implemented into block. Code snippets included.	implementation and implemented into block.	and implemented into block.
[A3, PLO6]	code snippets presented.	Code snippets found	Code simppets metaded.	Code snippets included	Code snippets included and
		incomplete.		and explained.	explained comprehensively.
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