



SASURIE COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi. Affiliated to Anna University, Chennai

Near NH544, Coimbatore Bypass, Near Vijayamangalam Tollgate, Tirupur 638056

NAAC DOCUMENTS

QUALITY INDICATOR FRAME WORK

CRITERION - 1

CURRICULAR ASPECTS

SUBMITTED BY

IQAC

INTERNAL QUALITY ASSURANCE CELL

SASURIE COLLEGE OF ENGINEERING



1.2 Academic Flexibility(30)

1.2.1 Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)

AND

1.2.2 Percentage of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years

VAC Title:	BLOCKCHAIN TECHNOLOGY AND CRYPTOCURRENCY				
Resource Person:	Mr. L. Anbhukumar, Soft Architect, Sd Pro Solution Pvt Ltd, Tiruchirappalli-621216.		Mr.Sathiskumar, Manager, Sd Pro Solution Pvt Ltd, Tiruchirappalli-621216.		
Date of conduct from:	09.08.2021	To:	13.08.2021	Duration:	30 Hours
Organized Department:	COMPUTER SCIENCE AND ENGINEERING				
Participant Year:	2/3/4	Semester:	ODD	No. of Students Registered:	53
Venue:	Online Gmeet link-“https://meet.google.com/agf-ajmd-wrs”				

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Ref: SCE / CSE /Students / VAC / 2021 - 2022 / ODD

03.08.2021

CIRCULAR

In order to bridge the curricular gap between the Academic Syllabus and Industry requirements, Department of Computer Science and Engineering and IQAC of our Institution in association with Sd Pro Solutions Pvt Ltd, is organizing a Value Added Course (VAC) for the students of II, III and IV year of CSE, AI&DS on the title "Blockchain Technology and Cryptocurrency" from 09.08.2021 to 13.08.2021. At the end of the VAC, course completion certificates will be issued to the eligible participants as per the following norms.

- Students, who are securing more than 70% on total score in the VAC test and secured more than 75% in VAC attendance is eligible to receive the course completion certificate for the VAC attended.

Resource Person Details	Mr.L.Anbhukumar Software Architect, Sd Pro Solutions Pvt Ltd, Tiruchirappalli-621216	Mr.Sathiskumar, Manager, Sd Pro Solutions Pvt Ltd, Tiruchirappalli-621216
Venue	Online Gmeet link-" https://meet.google.com/agf-ajmd-wrs "	


HoD/CSE


PRINCIPAL

Copy to:

1. Chairman & Secretary for information
2. Principal office
3. IQAC Co-Ordinator
4. Class In charges - II, III & IV-Year CSE & AI&DS
5. II, III & IV-Year CSE & AI&DS Students
6. CSE & AI&DS Notice Board
7. Department File


Dr.M.VIJAYAKUMAR ME., Ph.D.,
PRINCIPAL

 **SASURIE COLLEGE OF ENGINEERING.**
Vijayamangalam - 638 056, Tirupur (Dt)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Ref: SCE / CSE /Students / VAC / 2021 – 2022 / ODD

03.08.2021

SYLLABUS - VALUE ADDED COURSE

“Blockchain Technology and Cryptocurrency”

From 09.08.2021 to 13.08.2021 (5 days)

Duration : 30 Hours

Academic Year : 2021 -2022 / ODD

S.No.	Topics Covered	Duration (In Hours)	Date
1	Introduction to Blockchain Technology	3	09.08.2021
2	Cryptocurrencies Overview	3	09.08.2021
3	Blockchain Security	3	10.08.2021
4	Smart Contracts and Decentralized Applications (DApps)	3	10.08.2021
5	Cryptocurrency Wallets and Exchanges	3	11.08.2021
6	Blockchain Consensus Mechanisms	3	11.08.2021
7	Initial Coin Offerings (ICOs) and Tokenomics	3	12.08.2021
8	Regulatory Landscape and Compliance	3	12.08.2021
9	Blockchain in Finance (DeFi)	3	13.08.2021
10	Blockchain Applications Beyond Cryptocurrency	3	13.08.2021
Total Hours		30	-

After successful completion of 30 hours VAC, the assessment test for the VAC titled “Blockchain Technology and Cryptocurrency” will be conducted on 13.08.2021.


 VAC Coordinator
 3/8/21


 HOD/CSE


 DR.M.VIJAYAKUMAR, Ph.D.,
 PRINCIPAL
 SASURIE COLLEGE OF ENGINEERING,
 Vijayanagaram - 638 056, Tirupur (Dt).

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
STUDENTS PARTICIPATION LIST - VALUE ADDED COURSE

“Blockchain Technology and Cryptocurrency”

From 09.08.2021 to 13.08.2021 (5 days)

Duration : 30 Hours

Academic Year : 2021 -2022 / ODD

S.No.	Reg No.	Name of the Student	Year / Branch
1.	732420104001	BALAJI M	II/CSE
2.	732420104002	DEPAKAR B	II/CSE
3.	732420104003	DHAVIN R	II/CSE
4.	732420104004	KIRUBAKARAN M	II/CSE
5.	732420104005	KOWSALYA A	II/CSE
6.	732420104006	NIVETHA S	II/CSE
7.	732420104007	RAGUPATHI M	II/CSE
8.	732420104008	SUDHAKAR M	II/CSE
9.	732420104009	SUDHARSON R	II/CSE
10.	732420104010	VIGNESH M	II/CSE
11.	732419104001	ABBARNA N	III/CSE
12.	732419104002	ADITHYA S	III/CSE
13.	732419104003	DEEPA T	III/CSE
14.	732419104004	DHEENAMANI E	III/CSE
15.	732419104005	DHINESH KUMAR R	III/CSE
16.	732419104006	ELANGO VAN P	III/CSE
17.	732419104007	GAYATHIRI R	III/CSE
18.	732419104009	HARI PRASANTH E K	III/CSE
19.	732419104010	HARIPRASATH R	III/CSE
20.	732419104012	JOHNSON KOILRAJ J	III/CSE
21.	732419104013	KAMALEYSWARAN G	III/CSE
22.	732419104014	KANNAN M	III/CSE
23.	732419104015	KARTHIKEYAN P	III/CSE
24.	732419104016	KAVITHALAKSHMI V	III/CSE
25.	732419104017	KAVYA P	III/CSE
26.	732419104018	LAVANYA C	III/CSE
27.	732419104022	NAVEENA B	III/CSE
28.	732419104023	NIVETHA K	III/CSE
29.	732419104024	PRIYA S	III/CSE
30.	732419104025	RAJA C	III/CSE

Dr.M.VIJAYAKRISHNAN, Ph.D.,

STUDENTS PARTICIPATION LIST - VALUE ADDED COURSE

S.No.	Reg No.	Name of the Student	Year / Branch
31.	732419104026	ROBINSON R	III/CSE
32.	732419104027	SABAREESWARI R	III/CSE
33.	732419104029	SIVAM B	III/CSE
34.	732419104031	SUBASH P	III/CSE
35.	732419104032	SUBHASHINI N	III/CSE
36.	732419104033	SUGI A	III/CSE
37.	732419104301	KAVIN KUMAR M	III/CSE
38.	732418104002	BALAKRISHNAN P	IV/CSE
39.	732418104005	KARTHICK R G	IV/CSE
40.	732418104006	KARTHIKA S	IV/CSE
41.	732418104007	KARTHIKEYAN C	IV/CSE
42.	732418104008	KAVIYA R	IV/CSE
43.	732418104009	MADHUMATHI G	IV/CSE
44.	732418104011	MANJU M	IV/CSE
45.	732418104012	NAVANEETHAKRISHNAN B	IV/CSE
46.	732418104013	RAMYA M	IV/CSE
47.	732418104014	SUNDARA MANIKANDAN G	IV/CSE
48.	732418104017	YUVADHARSHINI R P	IV/CSE
49.	732418104706	SIVASANKAR R	IV/CSE
50.	732418104501	ABINASH V	IV/CSE
51.	732420243001	BHARADHWAJ S	II/AI&DS
52.	732420243002	KATHIRAVAN T J	II/AI&DS
53.	732420243301	INDHARESH	II/AI&DS

M. D.
VAC Coordinator

J. S. K.
HoD/CSE

M. V.
Dr. M. VIJAYAKUMAR ME., Ph.D.,
PRINCIPAL
SASURIE COLLEGE OF ENGINEERING,
Vijayamangalam - 638 056, Tirupur (Dt).

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

STUDENTS ATTENDANCE LIST - VALUE ADDED COURSE

“Blockchain Technology and Cryptocurrency”

From 09.08.2021 to 13.08.2021 (5 days)

Duration : 30 Hours

Academic Year : 2021 - 2022/ ODD

S.No	Reg No.	Name of the Student	Year/ Branch	09.08.2021		10.08.2021		11.08.2021		12.08.2021		13.08.2021		No. of Hours Attended
				FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	
1.	732420104001	BALAJI M	II/CSE	/	/	/	/	/	/	/	/	/	/	30
2.	732420104002	DEPAKAR B	II/CSE	/	/	/	/	/	a	/	/	/	/	27
3.	732420104003	DHAVIN R	II/CSE	/	/	/	/	/	/	/	/	/	/	30
4.	732420104004	KIRUBAKARAN M	II/CSE	/	/	/	/	/	/	a	/	/	/	27
5.	732420104005	KOWSALYA A	II/CSE	/	/	a	a	/	/	/	/	/	/	24
6.	732420104006	NIVETHA S	II/CSE	/	/	a	a	/	/	/	/	/	/	24
7.	732420104007	RAGUPATHI M	II/CSE	/	/	/	/	/	/	/	/	/	/	30
8.	732420104008	SUDHAKAR M	II/CSE	/	/	/	/	/	/	a	a	/	/	24
9.	732420104009	SUDHARSON R	II/CSE	/	/	/	/	a	/	/	/	/	/	27
10.	732420104010	VIGNESH M	II/CSE	/	a	/	/	/	/	/	/	/	/	27
11.	732419104001	ABBARNA N	III/CSE	/	/	/	/	/	/	/	/	/	/	30
12.	732419104002	ADITHYA S	III/CSE	/	/	/	/	/	/	a	a	/	/	24

Dr.M.VIJAYAKUMAR ME., Ph.D.,
 PRINCIPAL



SASURIE COLLEGE OF ENGINEERING,
 Vijayamangalam - 638 056, Tirupur (Dt),

STUDENTS ATTENDANCE LIST - VALUE ADDED COURSE

S.No	Reg No.	Name of the Student	Year/ Branch	09.08.2021		10.08.2021		11.08.2021		12.08.2021		13.08.2021		No. of Hours Attended
				FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	
13.	732419104003	DEEPA T	III/CSE	/	/	/	/	/	/	a	/	/	/	27
14.	732419104004	DHEENAMANI E	III/CSE	/	/	/	/	/	/	/	/	/	/	30
15.	732419104005	DHINESH KUMAR R	III/CSE	/	/	/	a	/	/	/	/	/	/	27
16.	732419104006	ELANGO VAN P	III/CSE	/	/	/	/	/	/	a	a	/	/	24
17.	732419104007	GAYATHIRI R	III/CSE	/	/	/	/	/	/	/	/	/	/	30
18.	732419104009	HARI PRASANTH E K	III/CSE	/	/	/	/	/	a	/	/	/	/	27
19.	732419104010	HARI PRASATH R	III/CSE	/	/	/	/	/	/	/	/	/	/	30
20.	732419104012	JOHNSON KOILRAJ J	III/CSE	/	/	/	/	/	/	/	/	/	/	30
21.	732419104013	KAMALEYSWARANG	III/CSE	/	/	/	/	/	/	/	/	/	/	30
22.	732419104014	KANNAN M	III/CSE	/	/	/	/	/	/	/	a	/	/	27
23.	732419104015	KARTHIKEYAN P	III/CSE	/	/	/	/	/	a	/	/	/	/	27
24.	732419104016	KAVITHALAKSHMI V	III/CSE	/	/	/	/	a	a	/	/	/	/	24
25.	732419104017	KAVYA P	III/CSE	/	/	/	/	/	/	/	a	/	/	27
26.	732419104018	LAVANYA C	III/CSE	/	/	/	/	/	/	/	/	/	/	30
27.	732419104022	NAVEENA B	III/CSE	/	/	/	/	/	/	/	a	/	/	27
28.	732419104023	NIVETHA K	III/CSE	/	/	/	/	/	/	/	/	/	/	30
29.	732419104024	PRIYA S	III/CSE	/	/	a	a	/	/	/	/	/	/	24

Dr.M.VIJAYAKUMAR ME., Ph.D.,
 PRINCIPAL

STUDENTS ATTENDANCE LIST - VALUE ADDED COURSE

S.No	Reg No.	Name of the Student	Year/ Branch	09.08.2021		10.08.2021		11.08.2021		12.08.2021		13.08.2021		No. of Hours Attended
				FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	
30.	732419104025	RAJA C	III/CSE	/	/	/	/	/	/	/	a	/	/	27
31.	732419104026	ROBINSON R	III/CSE	/	/	/	/	/	/	/	a	/	/	27
32.	732419104027	SABAREESWARI R	III/CSE	/	/	/	/	/	/	/	/	/	/	30
33.	732419104029	SIVAM B	III/CSE	/	/	/	/	/	a	/	/	/	/	27
34.	732419104031	SUBASH P	III/CSE	a	a	/	/	/	/	/	/	/	/	24
35.	732419104032	SUBHASHINI N	III/CSE	/	/	/	/	/	/	/	a	/	/	27
36.	732419104033	SUGI A	III/CSE	/	/	/	/	/	/	a	a	/	/	24
37.	732419104301	KAVIN KUMAR M	III/CSE	/	/	/	/	/	/	/	a	/	/	27
38.	732418104002	BALAKRISHNAN P	IV/CSE	/	/	/	/	/	/	/	/	/	/	30
39.	732418104005	KARTHICK R G	IV/CSE	/	/	/	/	a	a	/	/	/	/	24
40.	732418104006	KARTHIKA S	IV/CSE	/	/	/	/	/	/	/	a	/	/	27
41.	732418104007	KARTHIKEYAN C	IV/CSE	/	/	/	/	/	/	/	/	/	/	30
42.	732418104008	KAVIYA R	IV/CSE	/	/	/	/	/	/	/	/	/	/	30
43.	732418104009	MADHUMATHI G	IV/CSE	a	a	/	/	/	/	/	/	/	/	24
44.	732418104011	MANJU M	IV/CSE	/	/	/	/	/	a	/	/	/	/	27
45.	732418104012	NAVANEETHAKRISHNAN B	IV/CSE	/	/	/	/	/	/	/	/	/	/	30
46.	732418104013	RAMYA M	IV/CSE	/	/	/	/	/	/	a	a	/	/	24

STUDENTS ATTENDANCE LIST - VALUE ADDED COURSE

S.No	Reg No.	Name of the Student	Year/ Branch	09.08.2021		10.08.2021		11.08.2021		12.08.2021		13.08.2021		No. of Hours Attended
				FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	
47.	732418104014	SUNDARA MANIKANDAN G	IV/CSE	/	/	/	/	/	/	/	/	/	/	27
48.	732418104017	YUVADHARSHINI R P	IV/CSE	/	/	/	a	/	/	/	/	/	/	27
49.	732418104706	SIVASANKAR R	IV/CSE	/	/	/	/	/	/	/	/	/	/	27
50.	732418104501	ABINASH V	IV/CSE	/	/	/	/	/	/	/	a	/	/	30
51.	732420243001	BHARADHWAJ S	II/AI&DS	/	/	/	/	/	/	/	/	/	/	27
52.	732420243002	KATHIRAVAN T J	II/AI&DS	/	/	/	/	/	/	a	a	/	/	24
53.	732420243301	INDHARESH	II/AI&DS	/	/	/	/	/	a	/	/	/	/	27

MAD
 VAC Coordinator

me

Dr.M.VIJAYAKUMAR ME., Ph.D.,
 PRINCIPAL
 SASURIE COLLEGE OF ENGINEERING,
 Vijayamangalam - 630 053, Tirupur (Dt)

Praveen
 HoD/CSE

Report on Value Added Course

Title:	Blockchain Technology and Cryptocurrency				
Resource Person:	Mr.L.Anbhukumar Software Architect, Sd Pro Solutions Pvt Ltd, Tiruchirappalli-621216		Mr.Sathiskumar, Manager, Sd Pro Solutions Pvt Ltd, Tiruchirappalli-621216		
Date of conduct from :	09.08.2021	To:	13.08.2021	Duration:	30 Hours
Organized by :	COMPUTER SCIENCE AND ENGINEERING and IQAC in association with Sd Pro Solutions Pvt Ltd.				
Academic Year:	2021 – 2022		Semester:	ODD	
Participant Year:	II, III, IV Year CSE & AI&DS		No. of Students Participated :	53	
Venue:	Online Gmeet link-“ https://meet.google.com/agf-ajmd-wrs ”				

Outcome of Value Added Course (VAC)

At the end of the Course, Students can be able to

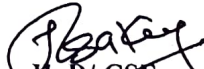
- Define and explain the fundamental concepts of blockchain technology.
- Evaluate the role of Bitcoin as the first cryptocurrency.
- Evaluate the functionality and potential of decentralized applications (DApps).
- Understand the concept of Initial Coin Offerings (ICOs) as a fundraising method.
- Evaluate government initiatives and projects leveraging blockchain.

Assessment Process

- Students, who are securing **more than 70% on total score in the VAC test** and secured more than 75% in VAC attendance is eligible to receive the course completion certificate for the VAC attended
- Total Score = (0.5 *Attendance in VAC out of 100 percentage + 0.5 *Test mark in VAC out of 100 marks)

No. of students successfully completed the VAC course is **53 Students** based on the above assessment process.


VAC Co-ordinator


HoD/ CSE


Principal


Dr.M.VIJAYAKUMAR ME., Ph.D.,
PRINCIPAL
SASURIE COLLEGE OF ENGINEERING,
Vijayamangalam - 638 656, Tirupur (Dt).



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING


Certificate of Participation

This is to certify that Mr./Ms **RAGUPATHI M,II/CSE** has successfully completed the Value Added Course titled "Blockchain Technology and Cryptocurrency" Organized by the *Department of Computer Science and Engineering* in association with IQAC of Sasurie College of Engineering and Sd Pro Solutions Pvt Ltd, Tiruchirappalli from 09.08.2021 to 13.08.2021 (5 Days).


Co-ordinator


Head of the Department


Principal



Dr.W.VIJAYAKUMAR ME., Ph.D.
PRINCIPAL
SASURIE COLLEGE OF ENGINEERING,
Vijayamangalam - 638 056, Tirupur (Dt).



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING


Certificate of Participation

This is to certify that Mr./Ms KIRUBAKARAN M,II/CSE has successfully completed the Value Added Course titled "Blockchain Technology and Cryptocurrency" Organized by the *Department of Computer Science and Engineering* in association with IQAC of Sasurie College of Engineering and Sd Pro Solutions Pvt Ltd. Tiruchirappalli from 09.08.2021 to 13.08.2021 (5 Days).

M. 
Co-ordinator


Head of the Department


Principal


Dr.M.VIJAYAKUMAR ME., Ph.D.,
PRINCIPAL
SASURIE COLLEGE OF ENGINEERING
Vijayamangalam - 638 056, Tiruppur (Dt).



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING


Certificate of Participation

This is to certify that Mr./Ms **DHINESH KUMAR R,III/CSE** has successfully completed the Value Added Course titled "Blockchain Technology and Cryptocurrency" Organized by the *Department of Computer Science and Engineering* in association with IQAC of Sasurie College of Engineering and Sd Pro Solutions Pvt Ltd, Tiruchirappalli from 09.08.2021 to 13.08.2021 (5 Days).


Co-ordinator


Head of the Department


Principal



D.T.N. VIJAYAKUMAR M.E., Ph.D.,
PRINCIPAL
SASURIE COLLEGE OF ENGINEERING,
Vijayamangalam - 638 058, Tirupur (Dt).



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING


Certificate of Participation

This is to certify that Mr./Ms ROBINSON R,III/CSE has successfully completed the Value Added Course titled "Blockchain Technology and Cryptocurrency" Organized by the *Department of Computer Science and Engineering* in association with IQAC of Sasurie College of Engineering and Sd Pro Solutions Pvt Ltd, Tiruchirappalli from 09.08.2021 to 13.08.2021 (5 Days).

M. 
Co-ordinator


Head of the Department


Principal

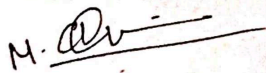

Dr.M.VIJAYAKUMAR ME., Ph.D.
PRINCIPAL
SASURIE COLLEGE OF ENGINEERING
Vijayamangalam - 638 056, Tirupur (Dt).




DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING


Certificate of Participation

This is to certify that Mr./Ms **SUNDARA MANIKANDAN G.IV/CSE** has successfully completed the Value Added Course titled "Blockchain Technology and Cryptocurrency" Organized by the *Department of Computer Science and Engineering* in association with IQAC of Sasurie College of Engineering and Sd Pro Solutions Pvt Ltd, Tiruchirappalli from 09.08.2021 to 13.08.2021 (5 Days).


Co-ordinator


Head of the Department


Principal


Dr. M. VIJAYAKUMAR ME., Ph.D.,
PRINCIPAL
SASURIE COLLEGE OF ENGINEERING,
Vijayamangalam - 638 056, Tiruppur (Dt).



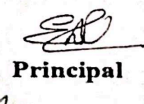
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING


Certificate of Participation

This is to certify that Mr./Ms **SIVASANKAR R,IV/CSE** has successfully completed the Value Added Course titled "Blockchain Technology and Cryptocurrency" Organized by the *Department of Computer Science and Engineering* in association with IQAC of Sasurie College of Engineering and Sd Pro Solutions Pvt Ltd, Tiruchirappalli from 09.08.2021 to 13.08.2021 (5 Days).


Co-ordinator


Head of the Department


Principal


Dr. M. VIJAYAKUMAR ME., Ph.D.,
PRINCIPAL
SASURIE COLLEGE OF ENGINEERING,
Vijayamangalam - 636 056, Tirupur (Dt).

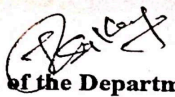


DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING


Certificate of Participation

This is to certify that Mr./Ms **KATHIRAVAN T J,II/AI&DS** has successfully completed the Value Added Course titled "**Blockchain Technology and Cryptocurrency**" Organized by the *Department of Computer Science and Engineering* in association with IQAC of Sasurie College of Engineering and Sd Pro Solutions Pvt Ltd, Tiruchirappalli from 09.08.2021 to 13.08.2021 (5 Days).


Co-ordinator


Head of the Department


Principal


Dr. M. VIJAYAKUMAR ME., Ph.D.,
PRINCIPAL
SASURIE COLLEGE OF ENGINEERING,
Vijayamangalam - 638 056, Tirupur (Dt).

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

TEST QUESTION PAPER - VALUE ADDED COURSE

“Blockchain Technology and Cryptocurrency”

From 09.08.2021 to 13.08.2021 (5 days)

Duration : 30 Hours

Academic Year : 2021 -2022 / ODD

Date of Test : 13.08.2021

MULTIPLE CHOICE QUESTIONS (25 X 1 = 25 Marks)


Name of the Student:

Year/Sem:

AU Register Number:

Answer all the questions:

1. What is the primary purpose of a blockchain?
 - a. Decentralization
 - b. Centralization
 - c. Encryption
 - d. Speed
2. In a blockchain network, what is a block?
 - a. A group of transactions
 - b. A single transaction
 - c. A cryptographic key
 - d. A network node
3. What consensus mechanism is commonly used in blockchain networks like Bitcoin?
 - a. Proof of Authority (PoA)
 - b. Proof of Stake (PoS)
 - c. Proof of Work (PoW)
 - d. Delegated Proof of Stake (DPoS)
4. Which cryptocurrency is known for introducing the concept of smart contracts?
 - a. Bitcoin
 - b. Ethereum
 - c. Ripple
 - d. Litecoin


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5. What is a private key in the context of cryptocurrency?
 - a. A secret code used to sign transactions
 - b. A public address for receiving funds
 - c. A unique identifier for a blockchain network
 - d. A consensus algorithm

6. Which term describes the process of validating transactions and adding them to the blockchain?
 - a. Mining
 - b. Staking
 - c. Hashing
 - d. Signing

7. What is the purpose of a cryptocurrency wallet?
 - a. To mine new coins
 - b. To store private keys
 - c. To create smart contracts
 - d. To perform transactions

8. What is a fork in the context of blockchain?
 - a. A hardware device
 - b. A software upgrade
 - c. A type of consensus algorithm
 - d. A transaction confirmation

9. What is the function of a Merkle tree in a blockchain?
 - a. To secure private keys
 - b. To organize transactions in a block
 - c. To create new cryptocurrencies
 - d. To mine new blocks

10. What is the purpose of a nonce in the Proof of Work consensus algorithm?
 - a. To identify the sender of a transaction
 - b. To generate a random number
 - c. To secure private keys
 - d. To prevent double-spending

11. Which blockchain feature provides anonymity by obscuring the sender and receiver addresses?
 - a. Transparency
 - b. Immutability
 - c. Privacy coins
 - d. Smart contracts


12. What is a 51% attack in the context of blockchain?
 - a. Controlling the majority of network hash rate
 - b. Controlling 51% of the total supply of a cryptocurrency
 - c. Executing a smart contract with a majority consensus
 - d. A type of cryptographic attack


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13. What is the role of a decentralized autonomous organization (DAO) in blockchain?
- Conducting initial coin offerings (ICOs)
 - Enforcing regulations on blockchain networks
 - Allowing for decentralized decision-making
 - Verifying transactions on the network
14. Which consensus mechanism aims to reduce energy consumption compared to Proof of Work?
- Proof of Burn (PoB)
 - Proof of Stake (PoS)
 - Proof of Concept (PoC)
 - Proof of Authority (PoA)
15. What is the purpose of a hard fork in a blockchain network?
- Introducing new features
 - Enhancing security
 - Improving transaction speed
 - Maintaining backward compatibility
16. What cryptographic function is commonly used in creating digital signatures in blockchain?
- SHA-256
 - AES
 - RSA
 - MD5
17. What is the term for the process of converting information into a fixed-length string of characters in blockchain?
- Encryption
 - Hashing
 - Salting
 - Tokenization
18. Which term describes the practice of distributing a blockchain network across multiple geographic locations?
- Sharding
 - Clustering
 - Partitioning
 - Replication
19. What is the purpose of a white paper in the context of blockchain and cryptocurrency?
- A document outlining the project's goals and technology
 - A legal contract for smart contracts
 - A marketing brochure for the cryptocurrency
 - A technical analysis of network security
20. What is the primary difference between a public blockchain and a private blockchain?
- Access control
 - Transaction speed
 - Consensus mechanism
 - Mining difficulty

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21. Which blockchain application involves the creation of unique digital assets that can be traded or owned?
- Decentralized Finance (DeFi)
 - Non-Fungible Tokens (NFTs)
 - Smart Contracts
 - Initial Coin Offerings (ICOs)
22. What is the purpose of a gas fee in the Ethereum network?
- Network security
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23. Which term describes the process of making a transaction irreversible and unchangeable in the blockchain?
- Confirmation
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- To identify the sender
 - To verify the transaction
 - To encrypt the transaction
 - To create a digital signature
25. What is the double-spending problem in cryptocurrency?
- Spending a cryptocurrency twice
 - Spending a cryptocurrency too quickly
 - Spending a cryptocurrency without authorization
 - Spending a cryptocurrency with high transaction fees



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
TEST QUESTION ANSWER KEY - VALUE ADDED COURSE

“Blockchain Technology and Cryptocurrency”


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Duration : 30 Hours


Academic Year : 2021 -2022 / ODD

Date of Test : 13.08.2021

1	a	6	a	11	c	16	c	21	b
2	a	7	b	12	a	17	b	22	c
3	c	8	b	13	b	18	a	23	b
4	b	9	b	14	b	19	a	24	a
5	a	10	b	15	a	20	a	25	a


VAC Coordinator


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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

TEST QUESTION PAPER - VALUE ADDED COURSE

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MULTIPLE CHOICE QUESTIONS (25 X 1 = 25 Marks)


Name of the Student: A SUGI

Year/Sem: III - V

AU Register Number: 7324 19104 033

Answer all the questions:

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Me

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ASSESSMENT SHEET - VALUE ADDED COURSE

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S.No	Reg No.	Name of the Student	Year/ Branch	Attendance Details		VAC-MCQ TEST		OVERALL Score (100) (50% of A + 50% of B)
				No. of Hours Attended	Attendance Score (100) (A)	No. of Correct Answers	MCQ Score (100) (B)	
1.	732420104001	BALAJI M	II/CSE	30	100	21	84	92
2.	732420104002	DEPAKAR B	II/CSE	27	90	19	76	83
3.	732420104003	DHAVIN R	II/CSE	30	100	19	76	88
4.	732420104004	KIRUBAKARAN M	II/CSE	27	90	21	84	87
5.	732420104005	KOWSALYA A	II/CSE	24	80	20	80	80
6.	732420104006	NIVETHA S	II/CSE	24	80	20	80	80
7.	732420104007	RAGUPATHI M	II/CSE	30	100	19	76	88
8.	732420104008	SUDHAKAR M	II/CSE	24	80	20	80	80
9.	732420104009	SUDHARSON R	II/CSE	27	90	21	84	87
10.	732420104010	VIGNESH M	II/CSE	27	90	19	76	83
11.	732419104001	ABBARNA N	III/CSE	30	100	19	76	88
12.	732419104002	ADITHYA S	III/CSE	24	80	20	80	80

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S.No	Reg No.	Name of the Student	Year/ Branch	Attendance Details		VAC-MCQ TEST		OVERALL Score (100) (50% of A + 50% of B)
				No. of Hours Attended	Attendance Score (100) (A)	No. of Correct Answers	MCQ Score (100) (B)	
13.	732419104003	DEEPA T	III/CSE	27	90	19	76	83
14.	732419104004	DHEENAMANI E	III/CSE	30	100	20	80	90
15.	732419104005	DHINESH KUMAR R	III/CSE	27	90	19	76	83
16.	732419104006	ELANGO VAN P	III/CSE	24	80	21	84	82
17.	732419104007	GAYATHIRI R	III/CSE	30	100	21	84	92
18.	732419104009	HARI PRASANTH E K	III/CSE	27	90	19	76	83
19.	732419104010	HARIPRASATH R	III/CSE	30	100	19	76	88
20.	732419104012	JOHNSON KOILRAJ J	III/CSE	30	100	19	76	88
21.	732419104013	KAMALEYSWARAN G	III/CSE	30	100	21	84	92
22.	732419104014	KANNAN M	III/CSE	27	90	21	84	87
23.	732419104015	KARTHIKEYAN P	III/CSE	27	90	21	84	87
24.	732419104016	KAVITHALAKSHIMI V	III/CSE	24	80	20	80	80
25.	732419104017	KAVYA P	III/CSE	27	90	21	84	87
26.	732419104018	LAVANYA C	III/CSE	30	100	20	80	90
27.	732419104022	NAVEENA B	III/CSE	27	90	19	76	83
28.	732419104023	NIVETHA K	III/CSE	30	100	19	76	88
29.	732419104024	PRIYA S	III/CSE	24	80	20	80	80

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ASSESSMENT SHEET - VALUE ADDED COURSE

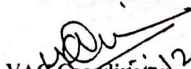
S.No.	Reg No.	Name of the Student	Year/ Branch	Attendance Details		VAC-MCQ TEST		OVERALL Score (100) (50% of A + 50% of B)
				No. of Hours Attended	Attendance Score (100) (A)	No. of Correct Answers	MCQ Score (100) (B)	
30.	732419104025	RAJA C	III/CSE	27	90	19	76	83
31.	732419104026	ROBINSON R	III/CSE	27	90	19	76	83
32.	732419104027	SABAREESWARI R	III/CSE	30	100	19	76	83
33.	732419104029	SIVAM B	III/CSE	27	90	19	76	83
34.	732419104031	SUBASH P	III/CSE	24	80	21	84	82
35.	732419104032	SUBHASHINI N	III/CSE	27	90	20	80	85
36.	732419104033	SUGI A	III/CSE	24	80	20	80	80
37.	732419104301	KAVIN KUMAR M	III/CSE	27	90	19	76	83
38.	732418104002	BALAKRISHNAN P	IV/CSE	30	100	19	76	83
39.	732418104005	KARTHICK R G	IV/CSE	24	80	20	80	80
40.	732418104006	KARTHIKA S	IV/CSE	27	90	19	76	83
41.	732418104007	KARTHIKEYAN C	IV/CSE	30	100	19	76	83
42.	732418104008	KAVIYA R	IV/CSE	30	100	19	76	83
43.	732418104009	MADHUMATHI G	IV/CSE	24	80	20	80	80
44.	732418104011	MANJU M	IV/CSE	27	90	19	76	83
45.	732418104012	NAVANEETHAKRISHNAN B	IV/CSE	30	100	19	76	83
46.	732418104013	RAMYA M	IV/CSE	24	80	20	80	80
47.	732418104014	SUNDARA MANIKANDAN G	IV/CSE	30	100	19	76	83


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48.	732418104017	YUVADHARSHINI R P	IV/CSE	27	90	19	76	83
49.	732418104706	SIVASANKAR R	IV/CSE	27	90	19	76	83
50.	732418104501	ABINASH V	IV/CSE	30	100	19	76	88
51.	732420243001	BHARADHWAJ S	II/AI&DS	27	90	19	76	83
52.	732420243002	KATHIRAVAN T J	II/AI&DS	24	80	21	84	82
53.	732420243301	INDHARESH	II/AI&DS	27	90	20	80	85


 VAC Coordinator
 12/8/21


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 I/O/CSE


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