



(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

S.P.G.Chidambara Nadar - C.Nagammal Campus

S.P.G.C. Nagar, K.Vellakulam – 625 701 (Near VIRUDHUNAGAR).

### **Guidelines for Value-Added Courses:**

1. Academic Year : 2021 - 2022
2. Regulation : R2017
3. Department Name : Department of Computer Science and Engineering
4. Name of the Value-added course : Fundamentals of Blockchain and Cryptocurrency
5. No. of Credits : NIL
6. Category : ~~Theory/Lab/Hands-on/Skill-based etc~~
7. Name and Details of the Joint-organization (industry/NGO etc) if any:  
: Incrix Techlutions LLP, Chennai
8. Resource person details : S. Avinash and R. Mathiyalagan  
Co-founder,  
Chief Executive Officer (CEO) & Trainer,  
Incix Techlutions LLP, Chennai
9. Three Member Committee details: Dr. R. Muthuselvi, Dr. G. Nirmala,  
Dr. P. Praveen Kumar
10. VAC Coordinator Details : Ms. T. Rajashree, Ms. G. Vijayalalitha
11. Duration (30 h mandatory) : 45 hours
12. Period (From-To) : 14.03.2022 & 15.03.2022 and  
06.04.2022 to 09.04.2022
13. Venue : Artificial Intelligence and IoT lab,  
Information Systems Lab

### **Guidelines / Assessment of VAC:**

1. Internal 40 Marks. Preferably Assignments such as mini projects, presentations, worksheets, etc.
2. External 60 Marks. MCQs type.  
MCQs Type question paper pattern : Part A – 30 x 1 = 30 Marks  
Part B – 15 x 2 = 30 Marks  
Total (IM + EM): 100 Marks  
Passing Criteria: 50 Marks  
No revaluation and no re-exam will be entertained.
3. Mode of External Exam: Online proctored mode
4. Duration of the Exam: 1 h 30 min

### Mark Statement

Department: CSE  
Year: III

Regulation: 2017  
Semester: VI

Sl.No.	Roll No.	Reg. No.	Student Name	Internal Marks (40)	External Marks (60)	Total (100)
1	19UCSE002	920419104064	PRASANA KUMAR.N	40	35	75
2	19UCSE003	920419104059	NAVEEN.R	30	35	65
3	19UCSE013	920419104043	KARTHIK.M	40	36	76
4	19UCSE014	920419104021	DHANALAKSHMI S	30	36	66
5	19UCSE017	920419104067	PRAWIN KUMAR.C	35	36	71
6	19UCSE027	920419104014	BARATH MATTHEW.J.A	35	34	69
7	19UCSE029	920419104001	AATHAVAN.A.M	40	36	76
8	19UCSE037	920419104056	NAGAPPAN.K	40	34	74
9	19UCSE045	920419104027	GOKUL.K	40	34	74
10	19UCSE049	920419104029	HARIHARAN.N.T	30	33	63
11	19UCSE051	920419104019	DANISH RUBHAN.S	40	36	76
12	19UCSE053	920419104009	ARAVINTH.K	40	32	72
13	19UCSE056	920419104065	PRASANNA KUMAR.S	38	36	74
14	19UCSE059	920419104008	ARAVIND.S	40	41	81
15	19UCSE060	920419104070	RAM PRASANTH.P	35	37	72
16	19UCSE064	920419104075	SAKTHI GANESH.A	32	19	51
17	19UCSE065	920419104088	SUJITH GEO.B	30	36	66
18	19UCSE067	920419104016	BHARATHI MUTHU.M	40	42	82
19	19UCSE068	920419104026	.GANESHGURU.A	35	48	83
20	19UCSE069	920419104034	JAINUL MUFAFIKA.H	35	31	66
21	19UCSE070	920419104022	DHARANIDHARAN.K	30	37	67
22	19UCSE071	920419104086	SUBRADEEPA.T.P	35	21	56
23	19UCSE073	920419104091	THANGATAMILSELVI.S	35	37	72
24	19UCSE078	920419104093	TORFE RAAJ.A	40	49	89
25	19UCSE079	920419104042	KARTHICKRAJA.P	30	20	50
26	19UCSE086	920419104002	ABOBACKER SIDDIQUE.S	30	23	53
27	19UCSE087	920419104028	RAMKUMAR.M	40	42	82
28	19UCSE088	920419104072	RISHIDHARAN.P	35	32	67
29	19UCSE093	920419104007	ANIMA.U	35	34	69
30	19UCSE096	920419104097	VIGNESH KUMAR.K	30	22	52
31	19UCSE097	920419104039	KAILASH.K	40	26	66
32	19UCSE099	920419104051	MAHARAJAN.M	35	24	59
33	19UCSE100	920419104054	MOHAN RAM.T	30	36	66
34	19UCSE104	920419104041	KARTHICKPRABHU.S	40	33	73
35	19UCSE105	920419104010	ARUN.U	35	36	71

  
VAC Coordinator

*Alexa*  
HoD  
*R. J. — Bar*  
23/5/2022  
Dean (Academic Courses)



Encl:

1. Institution Approval Copy
2. Circular
3. Syllabus Copy with Course outcomes
4. BoS Approval
5. Three Member Committee MoM
6. Geo-Tagged Photos
7. Certificates of all participants
8. Examination Schedule
9. Questions & Answer Keys
10. Attendance Sheet
11. Evaluated Answer script
12. Test Report
13. Mark Statement
14. Grade Sheet
15. Feedback form
16. Feedback analysis and Report
17. Programme Summary / Report
18. Students' oral feedback (recorded video)
19. VAC – Short Video

Submitted to the **SECRETARY** for approval through the **PRINCIPAL**

Book No.

**CSE**

SL No. **97**

Date 07/03/2022

1) Name of the object / item / service

Approval may please be granted to  
 : conduct value added course (VAC) on  
 fundamentals of Blockchain & Cryptocurrency

2) Purpose (Replacement / upgradation / New)  
 or (Participation / Presentation)  
 or (Service / Renewal / New)

: To gain hands on skill on Blockchain  
 and cryptocurrency

3) Specifications

: 45 hours training - 14/03/2022 to 15/03/22,  
 16/03/2022 to 19/03/2022 & 28/03/22 to 29/03/22

4) Approx. Value per object / item  
 (Min. Quote / Reasons for Higher Quote)

: Course for iii CSE students

5) No. of Quotations Received

Details Budget enclosed  
 (Incon Tech Solutions LLP) Rs. (2000 - Inclusive  
 Contact Person: 9626561437 (cost) for 35 students

6) No. / Type of objects /  
 items / service needed

7) Total Value (incl. tax)

Enclosed Quotation

Signature of Faculty

*Murali*  
 HOD

*Prinithal*  
 8/3  
**PRINCIPAL**

**OFFICE USE**

To be Negotiated  
 with Secretary

1) Budget allotted

2) Amount committed / Spent sofar

3) Balance available

OM

**TREASURER**

*[Signature]*  
 Secretary



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

Ref: KCET/CSE/EVEN/2021-22

16.2.2022

Circular

The Department of Computer Science and Engineering is organizing Value added courses associated with industries for second year B.E-CSE and B.Tech-ADS during 21.2.2022 to 26.2.2022 and for third year B.E-CSE students during 14.03.2022 to 29.03.2022.

**Objective:**

- To build technical skill of the students.

**Course Outcome:**

- Able to enhance the technical knowledge through which the students to fine-tune their career prospect, improve preparedness for campus placement & gain competitive edge.

The following venues are fixed for the conduct of Value Added Courses:

S.No	Name of the course	Venue	Class	Dates
1	Red Hat Linux certified system administration	Programming lab	II CSE & ADS	21.2.2022 - 26.2.2022
2	Spring BOOT	Network and Security Lab	II CSE & ADS	21.2.2022 - 26.2.2022
3	Machine Learning with Scikit-Learn, Keras & Tensorflow	IOT Lab	II CSE & ADS	21.2.2022 - 26.2.2022
4	Django Framework	Modern Application Development lab	II CSE & ADS	21.2.2022 - 26.2.2022
5	AWS cloud	Modern Application Lab	III CSE	14.03.2022, 15.03.2022, 18.03.2022, 19.03.2022, 28.03.2022 and 29.03.2022
6	Flutter	IOS Lab	III CSE	14.03.2022, 15.03.2022, 18.03.2022, 19.03.2022, 28.03.2022 and 29.03.2022
7	Fundamentals of Block Chain and Crypto currency	IOT Lab	III CSE	14.03.2022, 15.03.2022, 18.03.2022, 19.03.2022, 28.03.2022 and 29.03.2022

  
 Value Added Course- Coordinator

  
 HoD-CSE



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## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

### Value Added Course on “Fundamentals of Block Chain and Cryptocurrency”

March 14, 15, 18, 19, 28, 29 – 2022

**Fundamentals of Block Chain and Cryptocurrency** **45 hours**

#### Objectives

- To build own block chain and decentralized block chain network by using the Java script programming language.
- To learn how blockchain technology works under the hood, decentralized blockchain networks function and its technologies
- To understand why blockchain is secure

**Unit 1: Introduction** **6 hours**

Introduction to block chain-Introduction to java script-Introduction to Nodejs and npm-Introduction to Test Driven Development-Environmental setup

**Unit 2: Building the block** **5 hours**

Components of blockchain-Setup blockchain application-create the building block of blockchain block-starting test-driven development approach to the project- Building genesis block-add functionalities to mine blocks-developing sha-256 hash function

**Unit 3: Building the chain** **4 hours**

Create the fundamental block chain class-Developing functionality to validate the block chain-to allow chain replacement-Implementing chain replacement

**Unit 4: Proof of work** **5 hours**

Implement the proof of work system- Adjusting the difficulty level of a block- Investigating proof of work methodology- switch the hexadecimal character based difficulty criteria. Prevent a potential difficulty jump attack by adding extra validation for the block chain.



**Unit 5: Building API's****4 hours**

Set up on express library to create API-create a GET request to read the block chain- Add a POST request to read the block chain

**Unit 6: Network****6 hours**

Introduction to Redis-Implementing a real-time messaging network through Redis-Add the ability to broadcast chains- Start peers through alternate parts and broadcasted chains through the api-Synchronizing the chains in the network-Optimize the implementation

**Unit 7: Wallets, Keys and Transactions****10 hours**

Create the core wallet class for the cryptocurrency- Developing the cryptographic key pair and public key addressing system- Implementing signature generation and verification to make transaction official- Build the main transaction class approach to the project- To develop functionality to re-validate transactions-pair transaction creation with the wallet class-Allow transactions to be update with multiple outputs to efficiently use existing objects – improve the hash function to recognize objects with new properties as changes in incoming data – covered edge cases eith transaction updates to prevent vulnerabilities

**Unit 8: Project & Assessment****5 hours**

Create Transaction pool – Mine Transaction

**OUTCOMES**

At the end of the course, the students will be able to:

**CO1** : Build a working model of a blockchain from scratch using Javascript

**CO2** : Use hashing algorithms to secure the data within the blockchain

**CO3** : Understand and fluently converse on the core software engineering concepts behind blockchain and cryptocurrencies

**CO4** : Build a proof of work algorithm to secure the network

**CO5** : Build an API / server that will be used to interact with the blockchain through the internet

**CO6** : Create a broadcasting system to keep the data in the blockchain network synchronized



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**MINUTES OF THE MEETING OF FOURTH BOARD OF STUDIES MEETING HELD ON 09-03-2022 AT 2.00 PM IN ONLINE TOWARDS CONSIDERING THE CURRICULUM AND SYLLABI (V SEMESTER TO VI SEMESTER) OF R2020-UG PROGRAMME, COMMON FIRST YEAR CURRICULUM R2021, SECOND YEAR CURRICULUM OF R2021.**

**Platform: Microsoft Teams**

**Meeting Recording Link:**

[https://kcetvnror-my.sharepoint.com/:v/g/person/ramyacse\\_kamarajengg\\_edu\\_in1/EVQWbIH\\_xZILrFULVdTxcieBLoZx6WVfH2MY3HDBMCaSdw?e=dqMGYI](https://kcetvnror-my.sharepoint.com/:v/g/person/ramyacse_kamarajengg_edu_in1/EVQWbIH_xZILrFULVdTxcieBLoZx6WVfH2MY3HDBMCaSdw?e=dqMGYI)

**Dr. A. Meenakshi, HoD (Department of Computer Science and Engineering) welcomed all the members of the Board of Studies and Faculty members of CSE Department to the 4th BOS meeting. The following members were present:**

<b>S. No.</b>	<b>Name of the Expert</b>	<b>Designation</b>	<b>Capacity</b>
1.	Dr.S.Mercy Shalinie	Professor & Head– CSE, Thiagarajar College of Engineering, Madurai, shalinie@tce.edu Phone No: 9344120708	Anna University Nominee
2.	Dr.R.B.V.Subramaanyan	Professor and Head, Department of Computer Science and Engineering, National Institute of Technology, Warangal E-mail ID: rbvs66@nitw.ac.in Phone No: 9491346969	Academic Council nominated BoS Expert Member
3.	Dr.Sabu M.Thampi	Professor, Indian Institute of Information Technology, Management-Kerala, Trivandram. E-mail ID: sabu.thampi@iiitmk.ac.in Phone No: 9447103005	Academic Council nominated BoS Expert Member
4.	Mr.G.S.Raman	Director, Training Division, Sri Moogambikai Infotech Solutions, Madurai raman.g@mookambikainfo.com ramansriranga@gmail.com Phone No: 8870324388	Industrialist



5.	Dr.R.Venkatesan	Associate Professor, CSE, Karunya University, Coimbatore rlvenkei2000@karunya.edu Phone No: 98948 80563	Alumni
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<b>Internal Members of BoS – Faculty members of CSE &amp; AI &amp; DS</b>		
<b>S. No.</b>	<b>Name</b>	<b>Designation</b>
1.	Dr.A.Meenakshi	Associate Professor and Head
2.	Dr.M.IndraDevi	Professor and PG (M.E - CSE) Programme Co-ordinator
3.	Dr.R.Muthuselvi	Professor and NBA Coordinator
4.	Dr.R.Ramya	Assistant Professor / CSE UG (B. E. CSE) Programme Co-ordinator
5.	Dr.A.Anandh	Associate Professor / CSE UG (B. Tech. AI &DS) Programme Co-ordinator
6.	Dr.G.Nirmala	Assistant Professor / CSE
7.	Mr.G.Srinivasan	Assistant Professor / CSE
8.	Mrs.S.Athilakshmi	Assistant Professor / CSE
9.	Mr.B.Muthukrishnavinayagam	Assistant Professor / CSE
10.	Mrs.K.Muthulakshmi	Assistant Professor / CSE
11.	Mrs.K.Leelarani	Assistant Professor / CSE
12.	Mr.M.Rajasekaran	Assistant Professor / CSE
13.	Ms.G.Vijayalalitha	Assistant Professor / CSE
14.	Mrs.J.Lavanya	Assistant Professor / CSE
15.	Dr.G.Mahalakshmi	Assistant Professor / CSE
16.	Mrs.P.Kavitha	Assistant Professor / CSE
17.	Mrs.K.Arunasakthi	Assistant Professor / CSE
18.	Ms.M.Balameenakshi	Assistant Professor / CSE
19.	Mrs.R.Indhuja	Assistant Professor / CSE
20.	Dr.P.Praveen Kumar	Assistant Professor / AI & DS
21.	Ms.T.Rajashree	Assistant Professor / AI & DS
22.	Ms.S.Shopika	Assistant Professor / AI & DS
23.	Mrs.K.Indumathi	Assistant Professor / AI & DS

After the brief introduction by Dr.A.Meenakshi, HoD (Department of Computer Science and Engineering) about the expert members, industrialist, alumni, faculty from the Department of Computer Science and Engineering, the agenda items were taken up for discussion. The discussion started with R2020 UG Programme curriculum and syllabi of 5th to 8th semester of B. E. Computer Science and Engineering as well as R2021 UG Programme curriculum and syllabi of 2nd to 4th semester of B. E. Computer Science and Engineering and then continued with the suggestions and recommendations received from all BOS members.

**Discussions:**

**BOS 004.01**

**HoD / CSE gave a brief presentation for the Approval of the Minutes of the Third BoS and pointed out the Actions Taken for the previous BoS.**

**BOS 004.02**

**Dr.A.Meenakshi presented the R2020 UG Curriculum, B.E (Computer Science and Engineering) and Dr.R.Ramya presented the detailed syllabus.**

**a. V semester to VIII semester**

**SEMESTER V**

S. No	Course Code	Course Title	Category	L	T	P	Contact Periods	C
<b>THEORY</b>								
1.	IT1571	Computer Networks	PC	3	0	0	3	3
2.	CS1501	Internet Programming	PC	3	0	0	3	3
3.	CS1502	Theory of Computation and Compiler Design	PC	3	0	2	5	4
4.	PE1	Professional Elective I	PE	3	0	0	3	3
5.	PE2	Professional Elective II	PE	3	0	0	3	3
6.	OE1	Open Elective – I	OE	3	0	0	3	3
<b>PRATICALS</b>								
7.	CS1511	Internet Programming Lab	PC	0	0	4	4	2
8.	IT1581	Computer Networks Laboratory	PC	0	0	4	4	2
<b>TOTAL</b>				<b>18</b>	<b>0</b>	<b>10</b>	<b>28</b>	<b>23</b>

**SEMESTER VI**

S. No	Course Code	Course Title	Category	L	T	P	Contact Periods	C
<b>THEORY</b>								
1.	AD1471	Machine learning	PC	3	0	0	3	3
2.	CS1601	Distributed Systems	PC	3	0	0	3	3
3.	CS1602	Internet of Things	PC	3	0	0	3	3



4.	PE3	Professional Elective III	PE	3	0	0	3	3
5.	PE4	Professional Elective IV	PE	3	0	0	3	3
6.	OL1	Online Course – I	OL	0	2	0	2	2
<b>PRATICALS</b>								
7.	HS1521	Professional Communication	EEC	0	0	2	2	1
8.	CS1611	Internet of Things	PC	0	0	4	4	2
9.		Machine Learning laboratory	PC	0	0	4	4	2
10.	CS1681	Mobile Application Development laboratory	PC	0	0	4	4	2
<b>TOTAL</b>				<b>19</b>	<b>2</b>	<b>10</b>	<b>28</b>	<b>23</b>

#### SEMESTER VII

S. No	Course Code	Course Title	Category	L	T	P	Contact Periods	C
<b>THEORY</b>								
1.	CS1771	Cloud Computing	PC	3	0	0	3	3
2.	IT1671	Cryptography and Network Security	PC	3	0	0	3	3
3.	GE1671	Total Quality Management	HS	3	0	0	3	3
4.	PE5	Professional Elective V	PE	3	0	0	3	3
5.	PE6	Professional Elective VI	PE	3	0	0	3	3
6.	OE2	Open Elective – II	OE	3	0	0	3	3
<b>PRATICALS</b>								
7.	IT1681	Cryptography and Network Security Laboratory	PC	0	0	4	4	2
8.	CS1781	Cloud Computing laboratory	PC	0	0	4	4	2
9.	CS1721	Mini Project	EEC	0	0	4	4	2
<b>TOTAL</b>				<b>18</b>	<b>0</b>	<b>12</b>	<b>30</b>	<b>24</b>

#### SEMESTER VIII

S. No	Course Code	Course Title	Category	L	T	P	Contact Periods	C
<b>THEORY</b>								
1.	OL2	Online Course – II	OL	0	2	0	2	2
<b>PRATICALS</b>								
2.	CS1821	Project work	EEC	0	0	16	16	8
<b>TOTAL</b>				<b>0</b>	<b>2</b>	<b>16</b>	<b>18</b>	<b>10</b>

**b. List of Professional Elective Courses****Professional Elective Courses (Elective – I, Semester V)**

S. No	Course Code	Course Name	L	T	P	Contact Periods	C
1.	CS1531	Computer Graphics	3	0	0	3	3
2.	CS1532	Data Warehousing and Data Mining	3	0	0	3	3
3.	CS1533	Linux Programming and Shell Scripting	2	0	2	4	3
4.	CS1534	Real time systems	3	0	0	3	3
5.	CS1535	Software Testing and Quality Assurance	3	0	0	3	3

**Professional Elective Courses (Elective – II, Semester V)**

S. No	Course Code	Course Name	L	T	P	Contact Periods	C
6.	CS1536	Agile Development	3	0	0	3	3
7.	CS1537	C# and .NET Fundamentals	2	0	2	4	3
8.	CS1538	Data Science using R	2	0	2	4	3
9.	CS1539	Multicore Architecture	3	0	0	3	3
10.	CS1540	Multimedia Systems	3	0	0	3	3

**Professional Elective Courses (Elective – III, Semester VI)**

S. No	Course Code	Course Name	L	T	P	Contact Periods	C
11.	CS1631	Big Data Analytics – Tools and Techniques	2	0	2	4	3
12.	AD1534	Ethical Hacking	3	0	0	3	3
13.	CS1632	Game Design and Development	2	0	2	4	3
14.	AD1503	Object Oriented Programming using Java	2	0	2	4	3
15.	CS1633	Software Verification and Validation	3	0	0	3	3

**Professional Elective Courses (Elective – IV, Semester VI)**

S. No	Course Code	Course Name	L	T	P	Contact Periods	C
16.	CS1634	Augmented Reality and Virtual Reality	3	0	0	3	3
17.	CS1635	Full Stack Development	2	0	2	4	3
18.	CS1636	Mobile Adhoc Networks	3	0	0	3	3
19.	CS1637	Social Media Analytics	3	0	0	3	3
20.	CS1638	Software Design	3	0	0	3	3

**Professional Elective Courses (Elective – V, Semester VII)**

S. No	Course Code	Course Name	L	T	P	Contact Periods	C
21.	IT1631	Blockchain Technologies	3	0	0	3	3
22.	AD1601	Computer Vision	3	0	0	3	3
23.	AD1602	Deep Learning	3	0	0	3	3
24.	AD1535	Human Computer interaction	3	0	0	3	3
25.	CS1731	Software Project Management	3	0	0	3	3

**Professional Elective Courses (Elective – VI, Semester VII)**

S. No	Course Code	Course Name	L	T	P	Contact Periods	C
26.	CS1732	2D & 3D Techniques for Graphics Modeling and Simulation	3	0	0	3	3
27.	AD1702	Natural Language Processing	3	0	0	3	3
28.	CS1733	Principles of Cyber Security	3	0	0	3	3
29.	CS1734	Risk Modeling and Assessment	3	0	0	3	3
30.	AD1633	Robotics and Intelligent Systems	3	0	0	3	3

**c. List of Open Electives**

**Open Elective I (Semester V) - Offered to other departments**

S. No	Course Code	Course Name	Category	L	T	P	C
1.	OCS151	Programming in Python	OE	3	0	0	3

**Open Elective – II (Semester VII)**

S. No	Course Code	Course Name	Category	L	T	P	C
1.	OCS171	Software Engineering Fundamentals	OE	3	0	0	3

**BOS 004.03**

**Dr.A.Meenakshi presented the list of Audit courses available in the curriculum and the audit courses completed in semester III and registered in semester IV during the academic year 2021 – 2022.**

**List of Audit Courses**

**Audit Courses - Offered**

S. No	Course Code	Course Name	Credits			
			L	T	P	C
1.	AUD101	Constitution of India	3	0	0	0
2.	AUD102	Value Education	3	0	0	0
3.	AUD103	Pedagogy Studies	3	0	0	0

4.	AUD104	Stress Management by Yoga	3	0	0	0
5.	AUD105	Personality Development and Soft Skills	3	0	0	0
6.	AUD106	Essence of Indian Knowledge Tradition	3	0	0	0
7.	AUD107	Sanga Tamil Literature Appreciation	3	0	0	0
8.	AUD108	Design Thinking	3	0	0	0

**Audit courses completed and registered - R2020**

S. No	Class	No of students Registered	Name & Code of the course	Semester
1.	II CSE A	53	Constitution of India & AUD101	III
2.	II CSE B	54		III

S. No	Class	No of students Registered	Name & Code of the course	Semester
1.	II CSE A	53	Design Thinking & AUD108	IV
2.	II CSE B	54		IV

**BOS 004.04**

Dr.A.Meenakshi presented about the list of integrated courses and assessment of B. E. Computer Science and Engineering.

**Procedures of Conduct of Integrated Courses**

S. No	Degree	Regulation	Category of Course	Continuous Assessment	End Semester Examination
1.	UG	R2020 & R2021	Theory Integrated with Laboratory Courses	Assessment through theory – 20% (Two assessments) Assessment through Practical – 20 % (Continuous evaluation) (Total – 40 %)	Theory Examination – 60%
2.	PG	R2020 & R2021	Laboratory Integrated with Theory courses	Assessment through – 15 % (One assessment) Assessment through Practical – 35 % (continuous evaluation) (Total – 50 %)	Practical Examination – 50%



## **BOS 004.05**

### **Approval of Online courses**

The online courses are included in curriculum at VI and VIII semester. The following were discussed and presented for approval.

**Online courses in phase manner:** Approval was sought by Dr.A.Meenakshi to do the course in the phase manner and decision - vested to the three member committee.

#### **For UG**

- VI sem - Doing the course phase wise – Minimum 8 Weeks
  - Phase-1 in V / VI SEM :
    - 12 weeks course (or)
    - 8 weeks course (or)
    - 4+ 4 weeks      AND/OR
  - Phase-2:
    - 4 weeks (in V SEM) + 12 weeks (in VI SEM) and vice versa (or)
    - 4 weeks (in V SEM) + 8 weeks (in VI SEM) and vice versa (or)
    - 4 weeks (in V SEM) + 4 weeks (in VI SEM) and vice versa
- VIII sem - Doing the course phase wise – Minimum 8 Weeks
  - Phase-1 in VII / VIII SEM :
    - 12 weeks course (or)
    - 8 weeks course (or)
    - 4+ 4 weeks      AND/OR
  - Phase-2:
    - 4 weeks (in VII SEM) + 12 weeks (in VIII SEM) and vice versa (or)
    - 4 weeks (in VII SEM) + 8 weeks (in VIII SEM) and vice versa (or)
    - 4 weeks (in VII SEM) + 4 weeks (in VIII SEM) and vice versa

### **Courses identified from NPTEL SWAYAM and Mentors**

**Dr.A.Meenakshi presented about the list of courses that were identified from NPTEL Swayam to be offered for students along with faculty mentors.**

<b>S. No</b>	<b>Course Name</b>	<b>Duration</b>	<b>Mentor</b>
1.	Data Mining	8 Weeks	Dr.M.Indra Devi, Mrs.P.Kavitha, Ms.Bala Meenakshi.

2.	Cloud computing and Distributed Systems	8 Weeks	Dr.R.Muthuselvi
3.	Cloud computing	8 Weeks	Dr.Anandh, Mr.M.Rajasekaran, Mrs.J.Lavanya, Mrs.K.Arunasakthi, Dr.P.Praveen Kumar.
4.	Data Science for Engineers	8 Weeks	Dr.R.Ramya, Mrs.S.Athilakshmi Mr.B.MuthuKrishna Vinayagam Mrs.K.Muthulakshmi Mrs.K.Leclarani.
5.	Introduction to Internet of Things	12 weeks	Dr.Anandh, Mr.G.Srinivasan, Ms.G.Vijayalalitha, Ms.S.Shopika, Dr.G.Mahalakshmi, Ms.T.Rajashree.
6.	Software Testing	12 weeks	Dr.G.Nirmala, Mrs.K.Indumathi Mrs.R.Indhuja

**Dr.A.Meenakshi presented about the grading system that is going to be followed for online courses and re-exam score evaluation procedure.**

**R2021 Grading System – Absolute Grading System**

Range of Total Marks in Absolute Grading	Range of Total Marks in NPTEL Examination	Letter Grade	Grade Point
$91 \leq \text{to} \leq 100$	$88 \leq \text{to} \leq 100$	O	10
$81 \leq \text{to} \leq 90$	$76 \leq \text{to} \leq 87$	A+	9
$71 \leq \text{to} \leq 80$	$64 \leq \text{to} \leq 75$	A	8
$61 \leq \text{to} \leq 70$	$52 \leq \text{to} \leq 63$	B+	7
$50 \leq \text{to} \leq 60$	$40 \leq \text{to} \leq 51$	B	6

**R2020 Grading System – Hybrid Relative Grading System**

Range of Total Marks in Absolute Grading	Range of Total Marks in NPTEL Examination	Letter Grade	Grade Point
$91 \leq \text{to} \leq 100$	$88 \leq \text{to} \leq 100$	O	10
$61 \leq \text{to} \leq 90$	$52 \leq \text{to} \leq 87$	A+	9
Intermediate Grade will be fixed based on Mean Marks between 61 and 90	Intermediate Grade will be fixed based on Mean Marks between 52 and 87	A	8
		B+	7

50 ≤ to ≤ 60	40 ≤ to ≤ 51	B	6
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### Re-Examinations for online courses

25% NPTEL SCORE + 75% REEXAM SCORE

### BOS 004.06

#### Approval of Value Added courses:

- Dr.A.Meenakshi discussed about the process that we followed for conducting Value Added Courses.
- She also discussed about the role of three member committee and presented the list of value added courses offered for the second year and third year students for this academic year.

#### Value Added Courses Conducted for II Year students

Name of the VAC course	Name of Company	Name of the Trainer(s)	Name of the Coordinator	No. of Students (including II AI & DS)
Redhat Linux	School of Linux, Madurai	Mr.S.Suresh Kannan & K.Muthukumar	Mrs.K.Indumathi & Mrs.R.Indhuja	40
Machine Learning with Scikit-Learn, Keras and Tensorflow	Quantanics TechServ Pvt. Ltd., Madurai.	Mr.Farhadh Manaz and Mr.K.Vasanth Junior AI Developer	Dr.P.Praveen Kumar Dr.R.Ramya	29
Spring Boot	Silicon Software Services, Chennai	Mr.S.Rajendran Ms.Domini Neya	Mr.B.Muthukrishna vinayagam Ms.P.Kavitha	55
Django Framework	Lamdatech Softics, Virudhunagar	Mr.S.Balaji Ms.V.Rajeshwari	Mrs.K.Leela Rani, Dr.MahaLakshmi	25

#### Value Added Courses Planned for III Year students

S. No	Course Name	Name of Company	No. of Students
1.	AWS cloud	School of Linux, Madurai	35
2.	Flutter	Networkz Systems, Madurai	35
3.	Fundamentals of Block Chain and Crypto currency	Incriz Techlutions LLP, Chennai	35

### BOS 004.07

Dr.A.Meenakshi presented First year common curriculum for all Departments which will be followed from the current academic year 2021-2022. It will come under

**new Regulations 2021.**

**R2021 Curriculum for B.E. Computer Science and Engineering (I sem. to II Sem.)**

**SEMESTER I**

S. No	Course Code	Course Title	Category	L	T	P	C
<b>THEORY</b>							
1.	SH2101	Technical English	HS	3	0	0	3
2.	MA2101	Matrices and Differential Calculus	BS	3	1	0	4
3.	PH2101	Engineering Physics	BS	3	0	0	3
4.	CY2101	Engineering Chemistry	BS	3	0	0	3
5.	GE2101	Principles of Engineering	BS	3	0	0	3
6.	EM2101	Coding Techniques – I	EEC	3	0	0	3
<b>PRATICALS</b>							
7.	PH2102	Physics Laboratory	BS	0	0	3	1
8.	MA2102	Mathematics Laboratory	BS	0	0	2	1
9.	EM2102	Coding Techniques - I Laboratory	EEC	0	0	3	1

**SEMESTER II**

S. No	Course Code	Course Title	Category	L	T	P	C
<b>THEORY</b>							
1.		Technical Communication Skill Development	HS	3	0	0	3
2.		Vector Calculus, Complex Integration and Laplace Transforms	BS	3	1	0	4
3.		Renewable Energy Sources	BS	3	0	0	3
4.		Environmental Science and Engineering	BS	3	0	0	3
5.		Engineering Graphics	ES	2	0	3	3

6.		Coding Techniques - II	EEC	3	0	0	3
<b>PRATICALS</b>							
7.		Engineering Practices Laboratory	ES	0	0	4	2
8.		Chemistry Laboratory	BS	0	0	3	1
9.		<u>Coding Techniques – II Laboratory</u>	EEC	0	0	3	1

**Proposed R2021 Curriculum for B.E. Computer Science and Engineering (III sem. to IV Sem.)**

**SEMESTER III**

S.No	Sub Code	Subject Name	Category	L	T	P	C
1		Linear Algebra and Boundary Value Problems	BS	3	1	0	4
2		Computer Organization and Architecture	PC	3	0	0	3
3		Data Structures using Python	PC	3	0	0	3
4		Object Oriented Programming using Java	PC	2	0	3	3
5		System Software and Operating Systems	PC	3	0	0	3
6		Digital System Design and Microprocessors	ES	3	1	0	4
7		Data Structures Laboratory using Python	PC	0	0	3	1
8		Digital System Design and Microprocessors Laboratory	ES	0	0	4	2
9		Audit Course	AUC	3	0	0	0

**SEMESTER IV**

S.No	Sub Code	Subject Name	Category	L	T	P	C
1		Discrete Mathematics and Probability	BS	3	1	0	4
2		Database Management Systems	PC	3	0	0	3
3		Design and Analysis of Algorithms	PC	3	0	2	4
4		Introduction to Artificial Intelligence	PC	3	0	0	3
5		Software Engineering with UML Design	PC	3	0	0	3
6		Design Thinking	ES	3	0	0	3



7	CASE Tools Laboratory	PC	0	0	3	1
9	Database Management Systems Laboratory	PC	0	0	4	2
10	Value Added Course / Internship	EEC	0	0	4	2
11	Audit Course	AUC	3	0	0	0
		<b>Total</b>	<b>21</b>	<b>1</b>	<b>13</b>	<b>25</b>

The Detailed syllabus of coding techniques – II (Theory and Laboratory) is also presented for approval.

### **BOS 004.08**

#### **Addition and Exemption of courses for Transfer Candidate**

Dr.A. Meenakshi explained that there is no exemption of course and also no need for additional courses to be studied by the candidate. BoS members accepted and approved the same for the transfer student Ms.A.Subhiksha.

#### **The following suggestions were given by the BOS Members**

- Dr.R.B.V.Subramaanyan suggested that Randomized Algorithms can be included in Professional Elective
- Dr.R.B.V.Subramaanyan suggested that Parallel Algorithms can be included in Professional Elective
- Dr.R.B.V.Subramaanyan suggested that Machine Learning syllabus may be reframed as it is very heavy
- Dr.S.Mercy Shalinie inquired about how the internship grades are going to be awarded. Dr.A. Meenakshi replied about the process of awarding the grades for internship students.
- Dr.S.Mercy Shalinie inquired about the infrastructure for Augmented Reality and Virtual Reality. Dr.A. Meenakshi replied that it is yet to be established.
- Dr.S.Mercy Shalinie inquired about the special interest group for faculty. Dr. A. Meenakshi replied that the special group was formed in 8 domains as follows

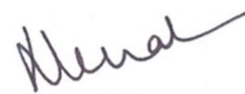
<b>S. No</b>	<b>Domain</b>
1.	Algorithms, data Structures & Programming
2.	Database and Analytics
3.	Networking and Security

4.	Software Engineering
5.	System Software and Architecture
6.	Graphics and Animation
7.	Application Development
8.	Cognitive Science

- Dr.S.Mercy Shalinie suggested mentioning the pre requisite for all the Professional Elective courses.
- Dr.S.Mercy Shalinie suggested giving the latest edition books as the text books.
- Dr.S.Mercy Shalinie suggested that the title of the course name may be changed as Design and Analysis of Algorithm instead of Analysis of Algorithms.
- Dr.S.Mercy Shalinie suggested getting the feedback from the stake holders like Industry, parents and Employers in addition to the students and faculty members.
- Dr.S.Mercy Shalinie inquired about the E-Book subscription in department level. Dr. A. Meenakshi replied that the E-Book subscription is in the college library.
- Dr.S.Mercy Shalinie suggested providing value added course from the authorized centers where the certificates are provided by the standard well reputed companies like CISCO and also added that providing International certificates may be more valuable.
- Dr.S.Mercy Shalinie suggested that Program Specific subjects may be given in the first year instead of Engineering Graphics. Dr.A.Meenakshi replied that common syllabus is followed for the first year across the departments as per the NEP.

**RESOLVED TO APPROVE** the R2020 curriculum and detailed syllabi for V to VIII Semester of B.E(CSE), Detailed syllabus of coding techniques – II (Theory and Laboratory) and R2021 curriculum and detailed syllabi for III to IV Semester of B.E(CSE).

The meeting ended with the Vote of Thanks by Dr. R. Ramya, Assistant Professor, Department of CSE, Kamaraj College of Engineering and Technology, Virudhunagar.



**(Dr. A. Meenakshi)**  
**BoS Chairman & HoD - CSE**



(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)  
S.P.G.Chidambara Nadar - C Nagammal Campus  
S P G C Nagar, K Vellakulam - 625 701 (Near VIRUDHUNAGAR).

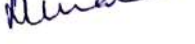







## Department of Computer Science and Engineering

### VALUE ADDED COURSES - Minutes

Value Addition Courses are very important to bridge the gap between the academic and industry needs. These courses which help a particular individual to develop their own skills in their chosen field of the study are conducted by professionals and industry experts. They help students stand apart from the rest in the job market by adding further value to their resume.

A meeting was conducted on 02.02.2022 at 10.30am in Visual Computing Lab to discuss the various points about Value Added Courses.

#### I. Members present:

1. Dr.A.Meenakshi, Head & Associate Professor 
2. Value Added Committee Members
  - a. Dr.R.Muthuselvi, P-CSE & Chairperson II ADS 
  - b. Dr.P.Praveen Kumar, AP-CSE & Chairperson II CSE A 
  - c. Dr.G.Nirmala, AP-CSE & Chairperson II CSE B 
3. Chairpersons
  - a. Dr.M.Indra Devi, P-CSE & Chairperson III CSE A 
  - b. Mr.B.Muhtukrishnavinayagam, AP-CSE & Chairperson III CSE B 
  - c. Dr.R.Ramya, AP-CSE & Chairperson IV CSE A 
  - d. Dr.A.Anandh, Associate Professor & Chairperson IV CSE B 

#### II. Agenda

1. Guide lines for VAC
2. Staff members' domain interest and Students options
3. Identification of value added courses and industries
4. Fixing the venue and dates

#### III. Minutes

##### 1. Guidelines of VAC are discussed.

- The students may optionally undergo value added courses offered by experts from industry / other institutions (Academic / Research) / institution faculty on specialized topics.
- Every 15 period course will be given 1 credit.
- If the value added course is a Theory, then the contact hours in a day shall not exceed four periods.
- The courses shall be conducted without affecting the regular academic schedule.

- Candidates can complete such courses during 3rd to 8th semesters as and when these courses are offered by departments.
- A candidate will also be permitted to register such course offered by other departments.
- The Department / Course in-charge / Faculty / Expert concerned shall conduct one assessment at the end of the course
- The Head of the Department shall form a committee to monitor the progress of the course.
- Candidates can take a maximum of two one-credit courses / one two- credit course during an academic year if offered.
- Credits earned under this category will be over and above the total credit requirement as prescribed in the Employability Enhancement Courses category excluding the actual credits required for project works.

**2. Staff members' domain interest and Students options are obtained.**

- Staff members' domain interests are obtained and various courses are suggested. Options from II and III year students are obtained based on the suggestion.

**3. Value added courses and industries are identified.**

The following industries are identified to conduct the courses

S.NO	COURSES OFFERED	NAME OF THE COMPANY
1	Redhat Linux	School of Linux, Madurai
2	Machine Learning with Scikit-Learn, Keras and Tensorflow	Quantanics TechServ Pvt. Ltd., Madurai.
3	Spring Boot	Silicon Software Services, Chennai
4	Django Framework	Lamdatech Softics, Virudhunagar
5	AWS cloud	School of Linux Madurai
6	Flutter	Networkz Systems, Madurai
7	Fundamentals of Block Chain and Cryptocurrency	Incrix Techlutions LLP, Chennai



4. Fixing the venues and dates

The following venues are fixed for the conduct of Value Added Courses

S.No	Name of the course	Venue	Class	Dates
1	Red Hat Linux certified system administration	Programming lab	II CSE & ADS	21.2.2022 - 26.2.2022
2	Spring BOOT	Network and Security Lab	II CSE & ADS	21.2.2022 - 26.2.2022
3	Machine Learning with Scikit-Learn, Keras & Tensorflow	IOT Lab	II CSE & ADS	21.2.2022 - 26.2.2022
4	Django Framework	Modern Application Development lab	II CSE & ADS	21.2.2022 - 26.2.2022
5	AWS cloud	Modern Application Lab	III CSE	14.03.2022, 15.03.2022, 18.03.2022, 19.03.2022, 28.03.2022 and 29.03.2022
6	Flutter	IOS Lab	III CSE	14.03.2022, 15.03.2022, 18.03.2022, 19.03.2022, 28.03.2022 and 29.03.2022
7	Fundamentals of Block Chain and Crypto currency	IOT Lab	III CSE	14.03.2022, 15.03.2022, 18.03.2022, 19.03.2022, 28.03.2022 and 29.03.2022

  
Value Added Course- Coordinator

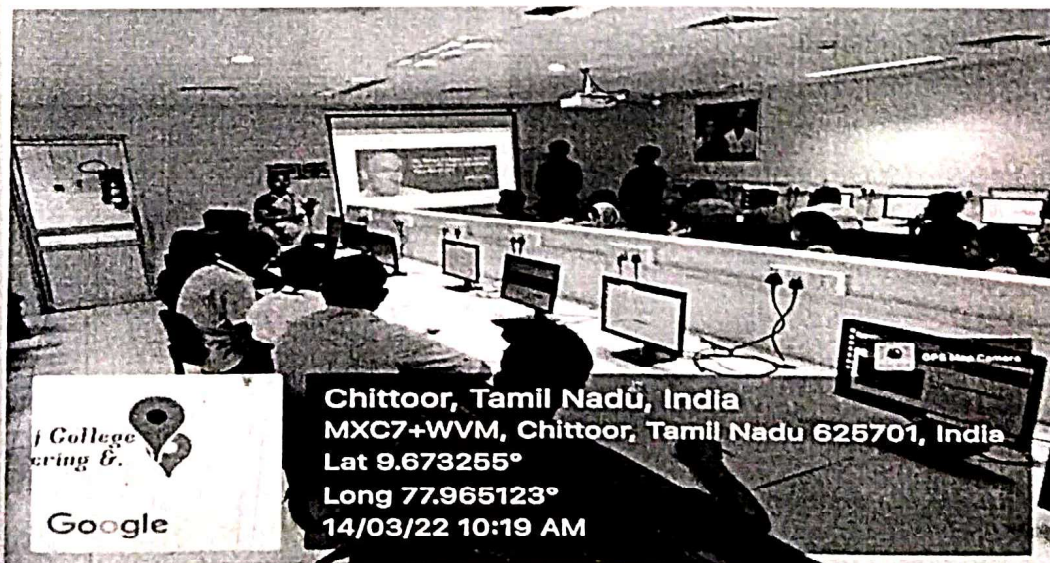
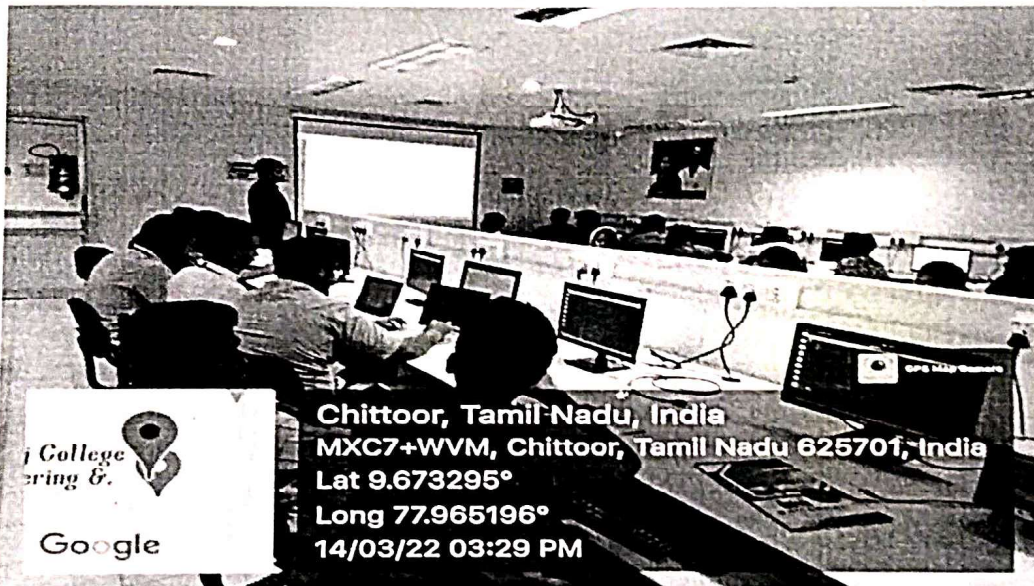
  
HoD-CSE

### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### VALUE ADDED COURSE ON "FUNDAMENTALS OF BLOCKCHAIN AND CRYPTOCURRENCY"

14.3.2022 TO 15.3.2022 AND 6.4.2022 TO 9.4.2022

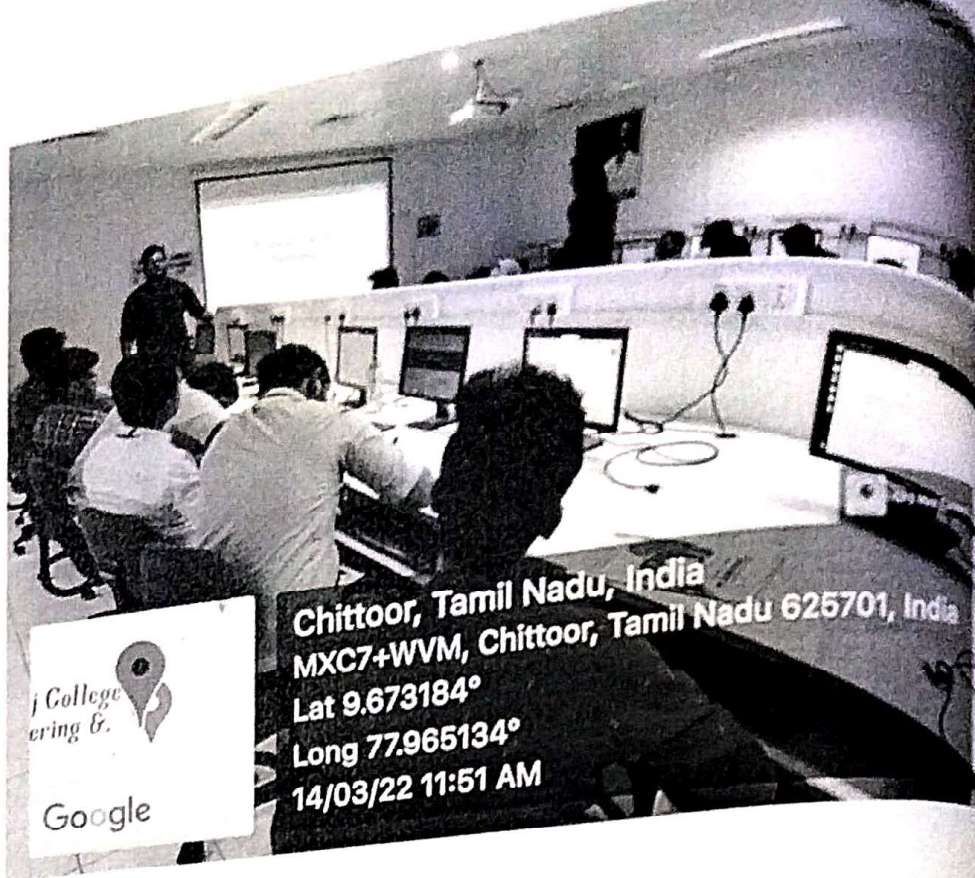
Resource Person: S. Avinash and R. Mathiyalagan  
Co-founder, Chief Executive Officer (CEO) & Trainer,  
Incrx Techlutions LLP, Chennai



*S. Avinash*  
Coordinators

*R. Mathiyalagan*  
HOD - CSE





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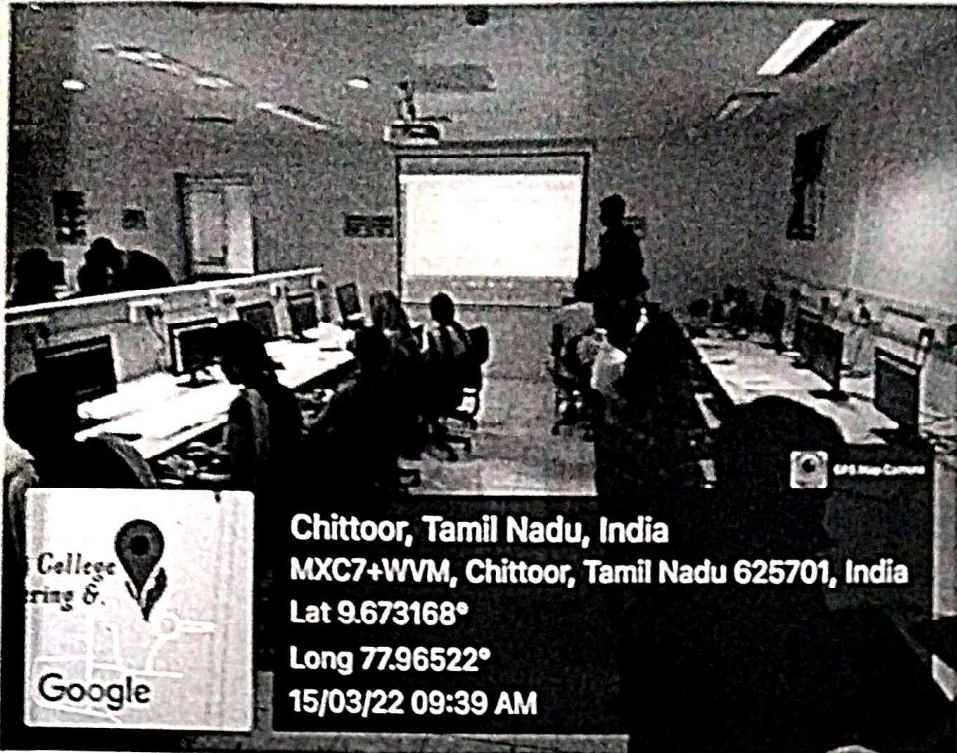


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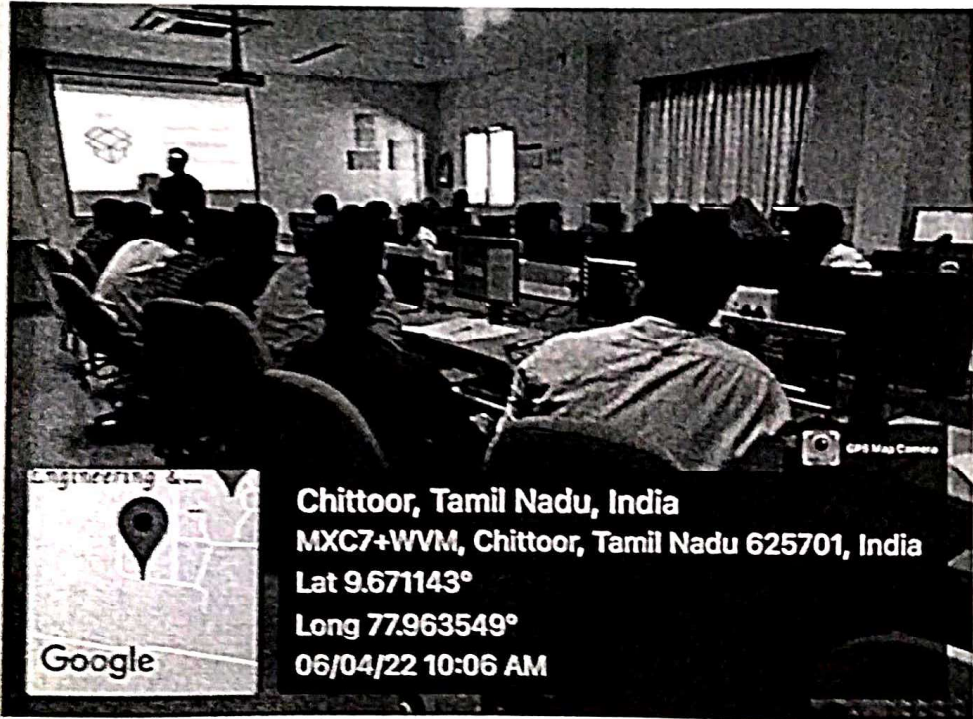
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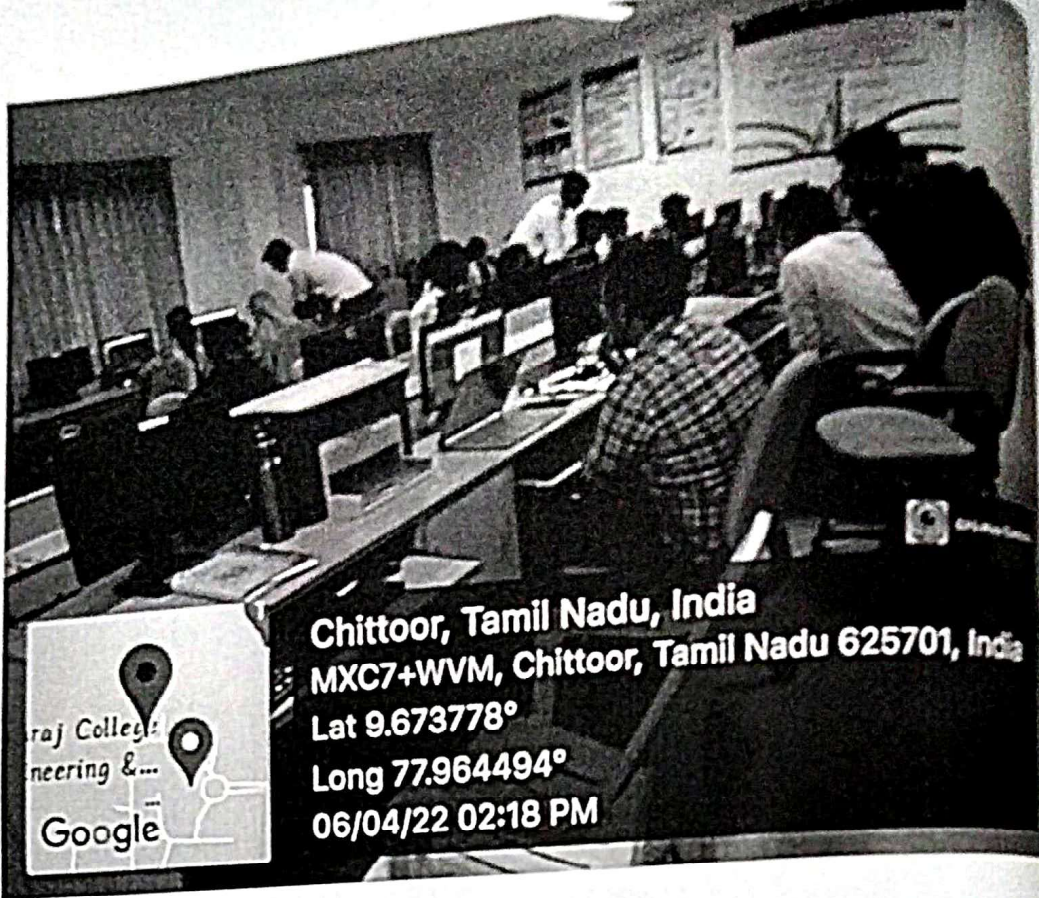


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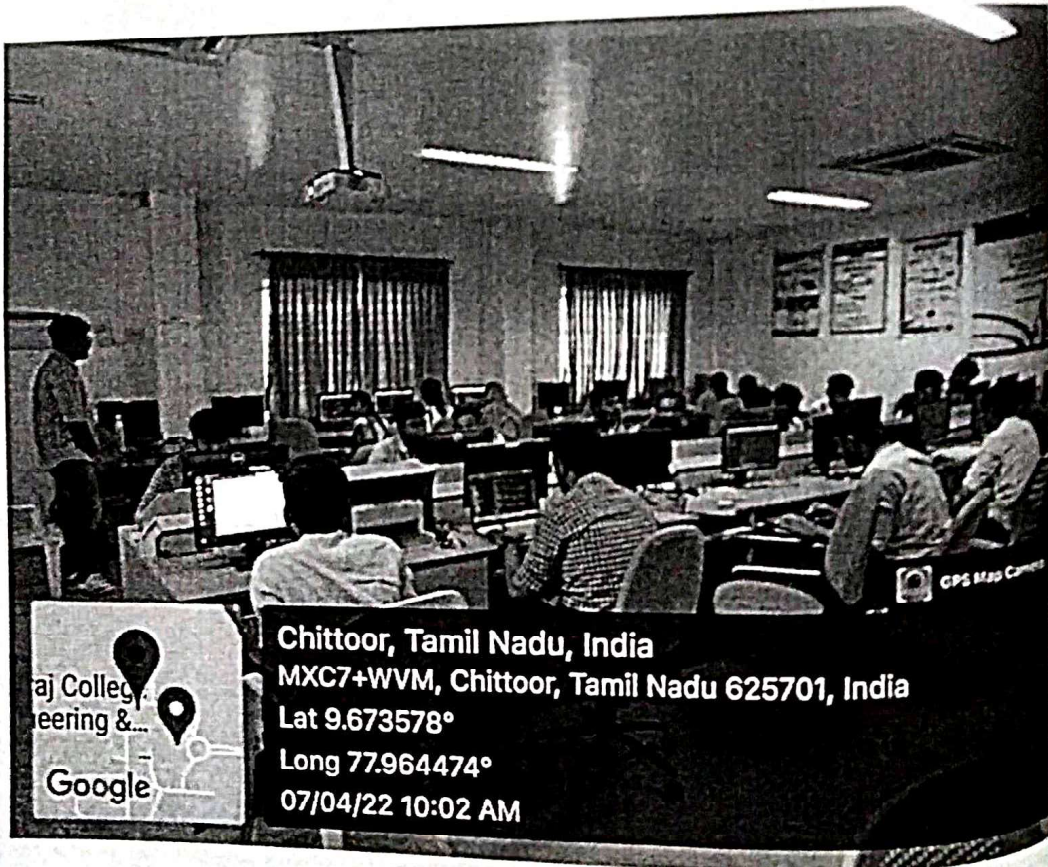
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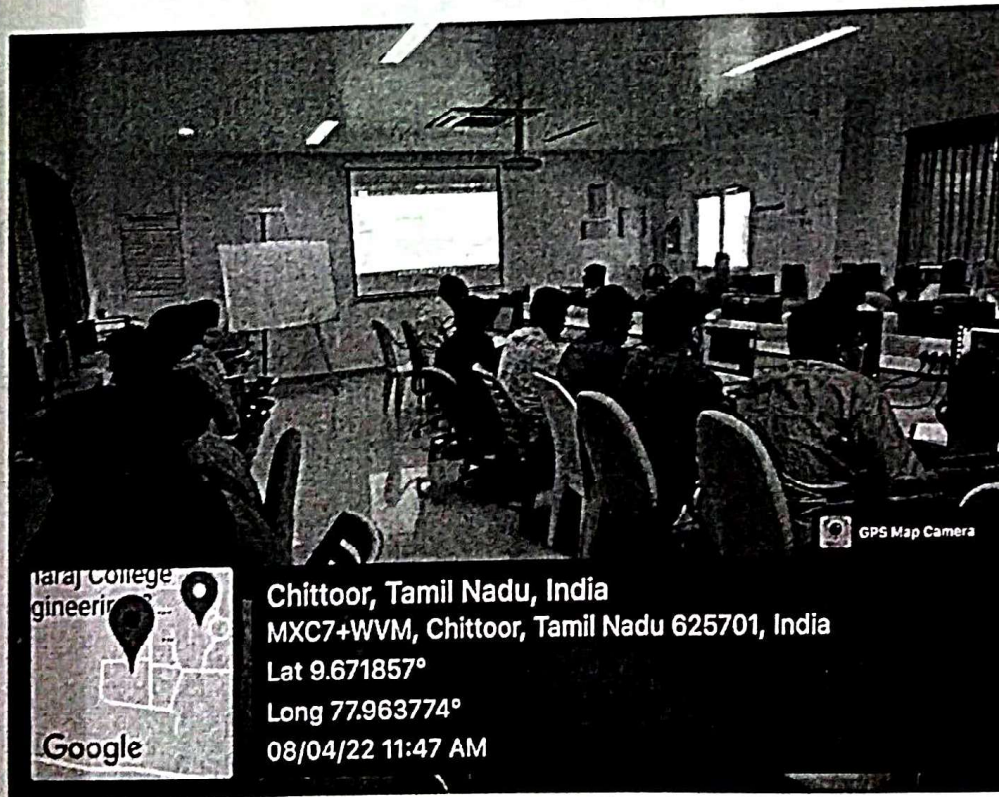
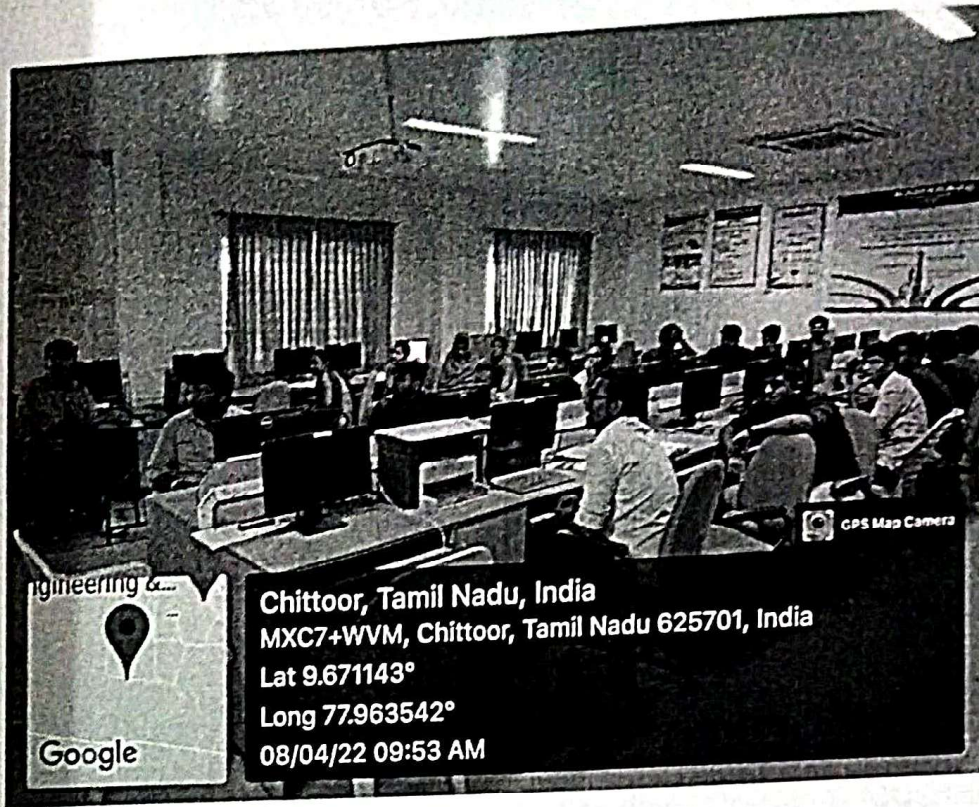


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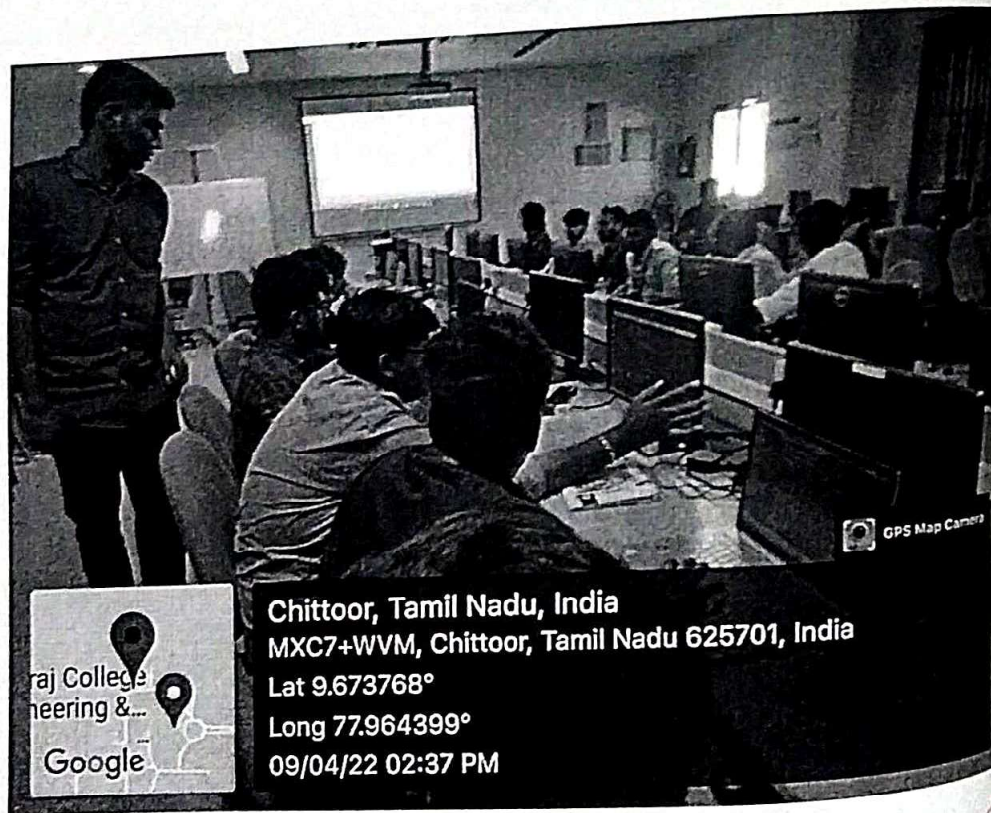
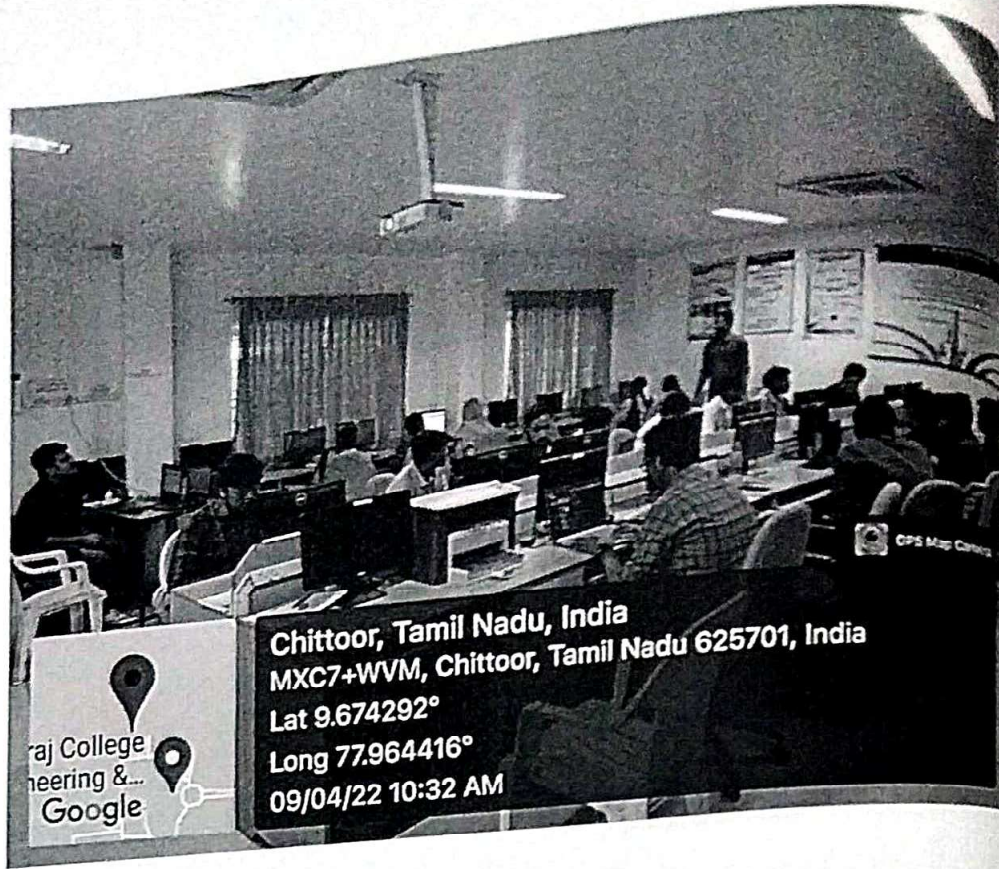




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## Course Completion Certificate

This is to certify that Mr. / Ms. MAHARAJAN.M has attended the Value Added Course offered by Incriz Techlutions LLP, Chennai on "Fundamentals of Blockchain & Cryptocurrency" from 14.03.2022, 15.03.2022 and 06.04.2022 to 09.04.2022 in association with the Department of Computer Science and Engineering, Kamaraj College of Engineering and Technology, near Virudhunagar.

Assessment Marks: 59 %

  
Director & CEO

  
Coordinator (s)

  
HOD - CSE

  
Principal




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Course Completion Certificate

This is to certify that Mr. / Ms. ARUN.U has attended the Value Added Course offered by Incriz Techlutions LLP, Chennai on 'Fundamentals of Blockchain & Cryptocurrency' from 14.03.2022, 15.03.2022 and 06.04.2022 to 09.04.2022 in association with the Department of Computer Science and Engineering, Kamaraj College of Engineering and Technology, near Virudhunagar.

Assessment Marks: 71 %

  
Director & CEO

  
Coordinator(s)

  
HOD - CSE

  
Principal





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### Course Completion Certificate

This is to certify that Mr. / Ms. KARTHICKPRABHU.S has attended the Value Added Course offered by Incriz Techlutions LLP, Chennai on "Fundamentals of Blockchain & Cryptocurrency" from 14.03.2022, 15.03.2022 and 06.04.2022 to 09.04.2022 in association with the Department of Computer Science and Engineering, Kamaraj College of Engineering and Technology, near Virudhunagar.

Assessment Marks: 73 %

  
Director & CEO

  
Coordinator (s)

  
HOD - CSE

  
Principal





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### Course Completion Certificate

This is to certify that Mr. / Ms. MOHAN RAM.T has attended the Value Added Course offered by Incrix Techlutions LLP, Chennai on "Fundamentals of Blockchain & Cryptocurrency" from 14.03.2022, 15.03.2022 and 06.04.2022 to 09.04.2022 in association with the Department of Computer Science and Engineering, Kamaraj College of Engineering and Technology, near Virudhunagar.

Assessment Marks: 66 %

  
Director & CEO

  
Coordinator (s)

  
HOD - CSE

  
Principal



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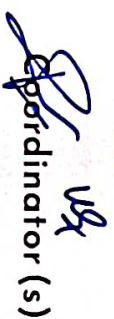


### Course Completion Certificate

This is to certify that Mr. / Ms. KAILASH.K has attended the Value Added Course offered by Incrix Techlutions LLP, Chennai on "Fundamentals of Blockchain & Cryptocurrency" from 14.03.2022, 15.03.2022 and 06.04.2022 to 09.04.2022 in association with the Department of Computer Science and Engineering, Kamaraj College of Engineering and Technology, near Virudhunagar.

Assessment Marks: 66 %

  
Director & CEO

  
Coordinator (s)

  
HOD - CSE

  
Principal





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**Course Completion Certificate**

This is to certify that Mr. / Ms. VIGNESH KUMAR.K has attended the Value Added Course offered by Incrix Techlutions LLP, Chennai on "Fundamentals of Blockchain & Cryptocurrency" from 14.03.2022, 15.03.2022 and 06.04.2022 to 09.04.2022 in association with the Department of Computer Science and Engineering, Kamaraj College of Engineering and Technology, near Virudhunagar.

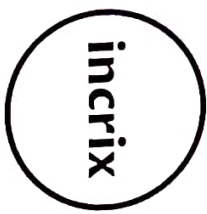
Assessment Marks: 52 %

  
Director & CEO

  
Coordinator (s)

  
HOD - CSE

  
Principal



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## Course Completion Certificate

This is to certify that Mr. / Ms. ANIMA.U has attended the Value Added Course offered by Incriz Techlutions LLP, Chennai on "Fundamentals of Blockchain & Cryptocurrency" from 14.03.2022, 15.03.2022 and 06.04.2022 to 09.04.2022 in association with the Department of Computer Science and Engineering, Kamaraj College of Engineering and Technology, near Virudhunagar.

Assessment Marks: 69 %

  
Director & CEO

  
Coordinator (s)

  
HOD - CSE

  
Principal



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### Course Completion Certificate

This is to certify that Mr. / Ms. RISHIDHARAN.P has attended the Value Added Course offered by Incrix Techlutions LLP, Chennai on "Fundamentals of Blockchain & Cryptocurrency" from 14.03.2022, 15.03.2022 and 06.04.2022 to 09.04.2022 in association with the Department of Computer Science and Engineering, Kamaraj College of Engineering and Technology, near Virudhunagar.

Assessment Marks: 67 %

  
Director & CEO

  
Coordinator (s)

  
HOD - CSE

  
Principal





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## Course Completion Certificate

This is to certify that Mr. / Ms. RAMKUMAR.M has attended the Value Added Course offered by Incrix Techlutions LLP, Chennai on "Fundamentals of Blockchain & Cryptocurrency" from 14.03.2022, 15.03.2022 and 06.04.2022 to 09.04.2022 in association with the Department of Computer Science and Engineering, Kamaraj College of Engineering and Technology, near Virudhunagar.

Assessment Marks: 82 %

  
Director & CEO

  
Coordinator (s)

  
HOD - CSE

  
Principal



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## Course Completion Certificate

This is to certify that Mr. / Ms. ABOOBACKER SIDDIQUE.S has attended the Value Added Course offered by Incrix Techlutions LLP, Chennai on "Fundamentals of Blockchain & Cryptocurrency" from 14.03.2022, 15.03.2022 and 06.04.2022 to 09.04.2022 in association with the Department of Computer Science and Engineering, Kamaraj College of Engineering and Technology, near Virudhunagar.

Assessment Marks: 53 %

  
Director & CEO

  
Coordinator (s)

  
HOD - CSE

  
Principal



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Course Completion Certificate

This is to certify that Mr. / Ms. KARTHICKRAJ.A.P has attended the Value Added Course offered by Incrix Techlutions LLP, Chennai on "Fundamentals of Blockchain & Cryptocurrency" from 14.03.2022, 15.03.2022 and 06.04.2022 to 09.04.2022 in association with the Department of Computer Science and Engineering, Kamaraj College of Engineering and Technology, near Virudhunagar.

Assessment Marks: 50 %

Director & CEO

Coordinator (s)

HOD - CSE

Principal



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### Course Completion Certificate

This is to certify that Mr. / Ms. TORFEE RAAJ.A has attended the Value Added Course offered by Incriz Techlutions LLP, Chennai on "Fundamentals of Blockchain & Cryptocurrency" from 14.03.2022, 15.03.2022 and 06.04.2022 to 09.04.2022 in association with the Department of Computer Science and Engineering, Kamaraj College of Engineering and Technology, near Virudhunagar.

Assessment Marks: 89 %

  
Director & CEO

  
Coordinator (s)

  
HOD - CSE

  
Principal



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Course Completion Certificate

This is to certify that Mr. / Ms. THANGATAMILSELVI.S has attended the Value Added Course offered by Incrix Techlutions LLP, Chennai on "Fundamentals of Blockchain & Cryptocurrency" from 14.03.2022, 15.03.2022 and 06.04.2022 to 09.04.2022 in association with the Department of Computer Science and Engineering, Kamaraj College of Engineering and Technology, near Virudhunagar.

Assessment Marks: 72 %

  
Director & CEO

  
Coordinator (s)

  
HOD - CSE

  
Principal





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**Course Completion Certificate**


This is to certify that Mr. / Ms. SUBRADEEPA.T.P has attended the Value Added Course offered by Incrix Techlutions LLP, Chennai on "Fundamentals of Blockchain & Cryptocurrency" from 14.03.2022, 15.03.2022 and 06.04.2022 to 09.04.2022 in association with the Department of Computer Science and Engineering, Kamaraj College of Engineering and Technology, near Virudhunagar.

Assessment Marks: 56 %

  
Director & CEO

  
Coordinator (s)

  
HOD - CSE

  
Principal



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**Course Completion Certificate**

This is to certify that Mr. / Ms. DHARANIDHARAN.K has attended the Value Added Course offered by Incrix Techllutions LLP, Chennai on "Fundamentals of Blockchain & Cryptocurrency" from 14.03.2022, 15.03.2022 and 06.04.2022 to 09.04.2022 in association with the Department of Computer Science and Engineering, Kamaraj College of Engineering and Technology, near Virudhunagar.

Assessment Marks: 67 %

  
Director & CEO

  
Coordinator (s)

  
HOD - CSE

  
Principal



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### Course Completion Certificate

This is to certify that Mr. / Ms. JAINUL MUFAFIKA.H has attended the Value Added Course offered by Incriz Techlutions LLP, Chennai on "Fundamentals of Blockchain & Cryptocurrency" from 14.03.2022, 15.03.2022 and 06.04.2022 to 09.04.2022 in association with the Department of Computer Science and Engineering, Kamaraj College of Engineering and Technology, near Virudhunagar.

Assessment Marks: 66 %

  
Director & CEO

  
Coordinator (s)

  
HOD - CSE

  
Principal





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## Course Completion Certificate

This is to certify that Mr. / Ms. GANESHGURU.A has attended the Value Added Course offered by Incriz Techlutions LLP, Chennai on "Fundamentals of Blockchain & Cryptocurrency" from 14.03.2022, 15.03.2022 and 06.04.2022 to 09.04.2022 in association with the Department of Computer Science and Engineering, Kamaraj College of Engineering and Technology, near Virudhunagar.

Assessment Marks: 83 %

  
Director & CEO

  
Coordinator (s)

  
HOD - CSE

  
Principal





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## Course Completion Certificate

This is to certify that Mr. / Ms. BHARATHI MUTHU.M has attended the Value Added Course offered by Incriz Techlutions LLP, Chennai on "Fundamentals of Blockchain & Cryptocurrency" from 14.03.2022, 15.03.2022 and 06.04.2022 to 09.04.2022 in association with the Department of Computer Science and Engineering, Kamaraj College of Engineering and Technology, near Virudhunagar.

Assessment Marks: 82 %

  
Director & CEO

  
Coordinator (s)

  
HOD - CSE

  
Principal



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**Course Completion Certificate**

This is to certify that Mr. / Ms. SUJITH GEO.B has attended the Value Added Course offered by Incriz Techlutions LLP, Chennai on "Fundamentals of Blockchain & Cryptocurrency" from 14.03.2022, 15.03.2022 and 06.04.2022 to 09.04.2022 in association with the Department of Computer Science and Engineering, Kamaraj College of Engineering and Technology, near Virudhunagar.

Assessment Marks: 66 %

  
Director & CEO

  
Coordinator (s)

  
HOD - CSE

  
Principal



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**Course Completion Certificate**

This is to certify that Mr. / Ms. SAKTHI GANESH.A has attended the Value Added Course offered by Incriz Techlutions LLP, Chennai on "Fundamentals of Blockchain & Cryptocurrency" from 14.03.2022, 15.03.2022 and 06.04.2022 to 09.04.2022 in association with the Department of Computer Science and Engineering, Kamaraj College of Engineering and Technology, near Virudhunagar.

Assessment Marks: 51 %

  
Director & CEO

  
Coordinator (s)

  
HOD - CSE

  
Principal





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### Course Completion Certificate


This is to certify that Mr. / Ms. PRASANA KUMAR.N has attended the Value Added Course offered by Incriz Techlutions LLP, Chennai on "Fundamentals of Blockchain & Cryptocurrency" from 14.03.2022, 15.03.2022 and 06.04.2022 to 09.04.2022 in association with the Department of Computer Science and Engineering, Kamaraj College of Engineering and Technology, near Virudhunagar.

Assessment Marks: 75 %

  
Director & CEO

  
Coordinator (s)

  
HOD - CSE

  
Principal



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### Course Completion Certificate

This is to certify that Mr. / Ms. NAVEEN.R has attended the Value Added Course offered by Incriz Techlutions LLP, Chennai on "Fundamentals of Blockchain & Cryptocurrency" from 14.03.2022, 15.03.2022 and 06.04.2022 to 09.04.2022 in association with the Department of Computer Science and Engineering, Kamaraj College of Engineering and Technology, near Virudhunagar.

Assessment Marks: 65 %

  
Director & CEO

  
Coordinator (s)

  
HOD - CSE

  
Principal





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### Course Completion Certificate


This is to certify that Mr. / Ms. KARTHIK.M has attended the Value Added Course offered by Incriz Techlutions LLP, Chennai on "Fundamentals of Blockchain & Cryptocurrency" from 14.03.2022, 15.03.2022 and 06.04.2022 to 09.04.2022 in association with the Department of Computer Science and Engineering, Kamaraj College of Engineering and Technology, near Virudhunagar.

Assessment Marks: 76 %

  
Director & CEO

  
Coordinator (s)

  
HOD - CSE

  
Principal



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### Course Completion Certificate

This is to certify that Mr. / Ms. DHANALAKSHMI S has attended the Value Added Course offered by Incririx TechLutions LLP, Chennai on "Fundamentals of Blockchain & Cryptocurrency" from 14.03.2022, 15.03.2022 and 06.04.2022 to 09.04.2022 in association with the Department of Computer Science and Engineering, Kamaraj College of Engineering and Technology, near Virudhunagar.

Assessment Marks: 66 %

  
Director & CEO

  
Coordinator (s)

  
HOD - CSE

  
Principal



incriz **Education**  
A Learning Vertical from Incriz Techlutions LLP



### Course Completion Certificate

This is to certify that Mr. / Ms. PRAWIN KUMAR.C has attended the Value Added Course offered by Incriz Techlutions LLP, Chennai on "Fundamentals of Blockchain & Cryptocurrency" from 14.03.2022, 15.03.2022 and 06.04.2022 to 09.04.2022 in association with the Department of Computer Science and Engineering, Kamaraj College of Engineering and Technology, near Virudhunagar.

Assessment Marks: 71 %

  
Director & CEO

  
Coordinator (s)

  
HOD - CSE

  
Principal





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### Course Completion Certificate

This is to certify that Mr. / Ms. BARATH MATTHEW.J.A has attended the Value Added Course offered by Incriz TechLutions LLP, Chennai on "Fundamentals of Blockchain & Cryptocurrency" from 14.03.2022, 15.03.2022 and 06.04.2022 to 09.04.2022 in association with the Department of Computer Science and Engineering, Kamaraj College of Engineering and Technology, near Virudhunagar.

Assessment Marks: 69 %

  
Director & CEO

  
Coordinator (s)

  
HOD - CSE

  
Principal



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## Course Completion Certificate

This is to certify that Mr. / Ms. AATHAVAN.A.M has attended the Value Added Course offered by Incrix Techlutions LLP, Chennai on "Fundamentals of Blockchain & Cryptocurrency" from 14.03.2022, 15.03.2022 and 06.04.2022 to 09.04.2022 in association with the Department of Computer Science and Engineering, Kamaraj College of Engineering and Technology, near Virudhunagar.

Assessment Marks: 76 %

  
Director & CEO

  
Coordinator (s)

  
HOD - CSE

  
Principal



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### Course Completion Certificate

This is to certify that Mr. / Ms. NAGAPPAN.K has attended the Value Added Course offered by Incrix Techlutions LLP, Chennai on "Fundamentals of Blockchain & Cryptocurrency" from 14.03.2022, 15.03.2022 and 06.04.2022 to 09.04.2022 in association with the Department of Computer Science and Engineering, Kamaraj College of Engineering and Technology, near Virudhunagar.

Assessment Marks: 74 %

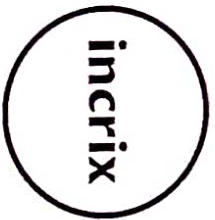
  
Director & CEO

  
Coordinator (s)

  
HOD - CSE

  
Principal





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## Course Completion Certificate

This is to certify that Mr. / Ms. GOKULK has attended the Value Added Course offered by Incriz Techlutions LLP, Chennai on "Fundamentals of Blockchain & Cryptocurrency" from 14.03.2022, 15.03.2022 and 06.04.2022 to 09.04.2022 in association with the Department of Computer Science and Engineering, Kamaraj College of Engineering and Technology, near Virudhunagar.

Assessment Marks: 74 %

  
Director & CEO

  
Coordinator (s)

  
HOD - CSE

  
Principal



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### Course Completion Certificate

This is to certify that Mr. / Ms. HARIHARAN.N.T has attended the Value Added Course offered by Incriz TechLutions LLP, Chennai on "Fundamentals of Blockchain & Cryptocurrency" from 14.03.2022, 15.03.2022 and 06.04.2022 to 09.04.2022 in association with the Department of Computer Science and Engineering, Kamaraj College of Engineering and Technology, near Virudhunagar.

Assessment Marks: 63 %

Director & CEO

Coordinator (s)

HOD - CSE

Principal



incirix **Education**

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### Course Completion Certificate

This is to certify that Mr. / Ms. DANISH RUBHAN.S has attended the Value Added Course offered by Incirix Techlutions LLP, Chennai on "Fundamentals of Blockchain & Cryptocurrency" from 14.03.2022, 15.03.2022 and 06.04.2022 to 09.04.2022 in association with the Department of Computer Science and Engineering, Kamaraj College of Engineering and Technology, near Virudhunagar.

Assessment Marks: 76 %

  
Director & CEO

  
Coordinator (s)

  
HOD - CSE

  
Principal





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## Course Completion Certificate

This is to certify that Mr. / Ms. ARAVINTH.K has attended the Value Added Course offered by Incrix Techlutions LLP, Chennai on "Fundamentals of Blockchain & Cryptocurrency" from 14.03.2022, 15.03.2022 and 06.04.2022 to 09.04.2022 in association with the Department of Computer Science and Engineering, Kamaraj College of Engineering and Technology, near Virudhunagar.

Assessment Marks: 72 %

  
Director & CEO

  
Coordinator (s)

  
HOD - CSE

  
Principal



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## Course Completion Certificate


This is to certify that Mr. / Ms. PRASANNA KUMAR.S has attended the Value Added Course offered by Incriz Techlutions LLP, Chennai on "Fundamentals of Blockchain & Cryptocurrency" from 14.03.2022, 15.03.2022 and 06.04.2022 to 09.04.2022 in association with the Department of Computer Science and Engineering, Kamaraj College of Engineering and Technology, near Virudhunagar.

Assessment Marks: 74 %

  
Director & CEO

  
Coordinator (s)

  
HOD - CSE

  
Principal



incriz Education

A Learning Vertical from Incriz Techlutions LLP



## Course Completion Certificate


This is to certify that Mr. / Ms. ARAVIND.S has attended the Value Added Course offered by Incriz Techlutions LLP, Chennai on "Fundamentals of Blockchain & Cryptocurrency" from 14.03.2022, 15.03.2022 and 06.04.2022 to 09.04.2022 in association with the Department of Computer Science and Engineering, Kamaraj College of Engineering and Technology, near Virudhunagar.

Assessment Marks: 81 %

  
Director & CEO

  
Coordinator (s)

  
HOD - CSE

  
Principal



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## Course Completion Certificate


This is to certify that Mr. / Ms. RAM PRASANTH.P has attended the Value Added Course offered by Incrix Techlutions LLP, Chennai on "Fundamentals of Blockchain & Cryptocurrency" from 14.03.2022, 15.03.2022 and 06.04.2022 to 09.04.2022 in association with the Department of Computer Science and Engineering, Kamaraj College of Engineering and Technology, near Virudhunagar.

Assessment Marks: 72 %

  
Director & CEO

  
Coordinator (s)

  
HOD - CSE

  
Principal

(R)



**(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)**  
 S.P.G.Chidambara Nadar - C.Nagammal Campus  
 S.P.G.C. Nagar, K.Vellakulam - 625 701 (Near VIRUDHUNAGAR).

### Department of Computer Science and Engineering

#### VALUE ADDED COURSES- EXAM SCHEDULE

The Value Added Courses test is planned to conduct from 16.3.2022 - 25.4.2022

S.NO	DATE	COURSE NAME
1	16.3.2022 (6.30 P.M-8.30 P.M)	Redhat Linux
2	16.3.2022 (7 P.M-8.30 P.M)	Machine Learning with Scikit-Learn, Keras and Tensorflow
3	17.3.2022 (7 P.M-8.30P.M)	Spring Boot
4	17.3.2022 (6 PM-7.30 PM)	Django Framework
5	23.4.2022(7 P.M-8.30 P.M)	Flutter
6	19.4.2022 (7 P.M-8.30 P.M)	Fundamentals of Block Chain and Crypto currency
7	25.4.2022 (7 P.M-8.30 P.M)	AWS cloud

Value Added Course- Coordinator

HoD-CSE





## Questions and Answer keys

### Fundamentals of Blockchain and Cryptocurrency

#### Part-A

1. What is a Blockchain?
  - a) Database
  - b) Decentralised and Distributed Ledger
  - c) Cryptocurrency Technology
  - d) All the aboveAns) d
2. What is the default port number of HTTP protocol?
  - a) 443
  - b) 80
  - c) 3000
  - d) 81Ans) b
3. Which method is used in Ethereum 2.0?
  - a) Proof of work
  - b) Proof of Stake
  - c) Proof of elapsed time
  - d) PBFTAns) b
4. How is web 3.0 called
  - a) AI web
  - b) Semantic web
  - c) Interactive web
  - d) Blockchain webAns) b
5. What is the name of the Interpreter used in Google Chrome
  - a) Spider Monkey
  - b) JS Compiler
  - c) V8 Engine
  - d) Chakra



Ans) C

6. Can Variables user in NodeJS access globally

a) YES

b) No

Ans) a

7. How to use SHA-256 algorithm in our node project?

a) Download from Github

b) Import from node modules

c) Writing algorithm to convert it

d) Export from node

Ans) b

8. Why we use Jest library?

a) To develop clean codes

b) To execute the program properly

c) To format the code

d) To run unit tests

Ans) d

9. What is the command to create a node project?

a) Node 'project filename'

b) npm init

c) npm create project

d) npm run test

Ans) b

10. What is the first block called as?

a) Initial block

b) Home block

c) Genesis block

d) Valid block

Ans) c

11. What is mining?

a) Generating a hash value

b) Creating a new block

c) Adding a block to the blockchain

d) All of the above

Ans) d

12. What is average time limit to mine a block in bitcoin?

- a) 1000 ms
- b) 10 mins
- c) 6 mins
- d) 10000 ms

Ans) b

13. In addBlock function how many inputs we need to provide?

- a) 4
- b) 6
- c) 1
- d) 5

Ans) c

14. What is the first condition to check in isvalidchain function?

- a) It starts with genesis block
- b) It has lasthash value
- c) It has valid data
- d) It is longer

Ans) a

15. What is the purpose of replaceChain()?

- a) To replace a new block
- b) To replace the hash value
- c) To replace the new Chain
- d) None of the above

Ans) c

16. What is difficulty implies?

- a) improving efficiency
- b) denotes the no. of starting zeroes in the hash value
- c) denotes the no. of ending zeroes in the hash value
- d) add logic to the chain

Ans) b

17. What is nonce ?

- a) Additional input to improve difficulty
- b) An incremental value to find the difficulty
- c) An input to the cryptohash function
- d) All the above

Ans) b

18. What is Mine rate?

- a) Time to add a block
- b) No. of blocks generated
- c) Average time to mine a block
- d) None of the above

Ans) c

19. Which type of language is JavaScript

- a) Programming
- b) Scripting
- c) Markup
- d) styling

Ans) b

20. What is an API?

- a) Application Protocol Integration
- b) Application Programming Interface
- c) Application Programming Integration
- d) Application Protocol Interface

Ans) b

21. what is the purpose of setTimeout function \*

- a) To give time interval for a code
- b) to call a function after a certain timeinterval
- c) to call a function once in a certain time interval
- d) stops a function in a set time

Ans) b



22. Is Express a dev dependency?

- a) Yes
- b) No

Ans) b

23. How to send the data to addblock through an API Post request?

- a. In the URL
- b. In the header
- c. In the Body
- d. None of the above

Ans) c

24. What is the purpose of using redis in our blockchain project?

- a. To store the data
- b. To call the data
- c. To access Pub and Sub model
- d. none of the above

Ans) c

25. How many types of Databases are there in general? \*

- a. 3
- b. 5
- c. 2
- d. 4

Ans) c

26. Which library is used to create multiple peers?

- a. Request lib
- b. Cross-environment lib
- c. Jest lib
- d. Nodemon lib

Ans) a

27. What type of encryption is used in blockchain?

- a. Symmetric
- b. Asymmetric
- c. Monographic
- d. none of the above

Ans) b

28. Which Algorithm defines all the distribution, sync and maintenance of the blockchain?
- Proof of work
  - Proof of stake
  - Consensus Algorithm
  - PBFT

Ans) c

29. Which algorithm method is used in bitcoin for generating key pairs?
- elliptic curve cryptography
  - Sha-256
  - Digital method
  - All of the above

Ans) a

30. How do you define a server?
- Hardware Device
  - A Computer in a Network
  - Storage Device
  - A software handling requests

Ans) d

#### Part-B

31. What is Node js?
- A package manager
  - A runtime environment
  - A library
  - None of the above

Ans) b

32. What is the actual key to run the test using jest library?
- npm run test
  - Jest --watchAll
  - npm run start
  - none of the above

Ans) b

33. How the blocks are connected to each other?

- a. Through the chain
- b. Through the timestamp
- c. Through the lasthash
- d. None of the above

Ans) c

34. Bitcoin is example of.

- a. Private blockchain
- b. Private blockchain
- c. Consortium blockchain
- d. Hybrid blockchain

Ans) c

35. What are the input required in the mineBlock function?

- a. data
- b. lastblock and data
- c. timestamp and data
- d. data and hash

Ans) b

36. For replaceChain function which condition is false?

- a. The chain must be longer
- b. The chain contains valid data field
- c. The chain is not tampered
- d. The chain should be greater than or equal to the existing chain

Ans) d

37. How we can improve the proof of work system?

- a. By creating the validhash
- b. By adjusting the difficulty level
- c. By using binary value instead of hexa value
- d. None of the above

Ans) c

38. What are the parameters of the callback function on app.get method

- a. Hash, data
- b. Req, res
- c. Port, url
- d. All the above

Ans) b



39. Which library is used to send request in sync chain method

- a. request
- b. http
- c. nodemon
- d. none of the above

Ans) a

40. What is a Dapp?

- a. A type of crypto currency
- b. A Decentralised Application
- c. A type of blockchain
- d. A condiment

Ans) a

41. What is transaction pool

- a. A storage space for blocks
- b. A Space where temporary truncations are stored
- c. A Condiment for the blockchain
- d. None of the above

Ans) b

42. what is 500 http error means? \*

- a. server not found
- b. Redirection
- c. success
- d. Internal server error

Ans) d

43. Which of the following are not the properties of the wallet?

- a. balance
- b. Keypair
- c. Public key
- d. hash

Ans) d

44. Which algorithm is used in elliptic curve cryptography?

- a. Sha 256
- b. Sha 51
- c. Secp256k1
- d. Hex-to-binary

Ans) c

45. Blockchain can be used in

- a. cryptocurrencies
- b. Social media
- c. Logistics
- d. All of the above

Ans) d





## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

### Attendance sheet

### Fundamentals of Blockchain and Cryptocurrency

Total No. of Students: 35

Date: 14.03.2022

Attended Students: 31

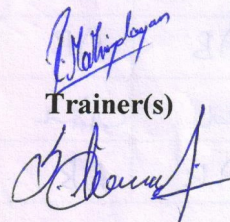
Trainers Name: S. Avinash and R Mathiyalagan


#### Day 1


S. No.	Dept.	Section	Roll No.	Student Name	Signature		
					09.00AM-10.40 AM	11.00 AM-12.40 PM	01.30 PM -04.00 PM
1.	CSE	A	19UCSE002	PRASANA KUMAR.N	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
2.	CSE	A	19UCSE003	NAVEEN.R	AB	AB	AB
3.	CSE	A	19UCSE013	KARTHIK.M	M. Karthik	M. Karthik	M. Karthik
4.	CSE	A	19UCSE014	DHANALAKSHMI S	S.D.S	S.D.S	S.D.S
5.	CSE	B	19UCSE017	PRAWIN KUMAR.C	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
6.	CSE	A	19UCSE027	BARATH MATTHEW.J.A	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
7.	CSE	A	19UCSE029	AATHAVAN.A.M	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
8.	CSE	A	19UCSE037	NAGAPPAN.K	K. Nagappan	K. Nagappan	K. Nagappan
9.	CSE	B	19UCSE045	GOKUL.K	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
10.	CSE	B	19UCSE049	HARIHARAN.N.T	N.T. Hari	N.T. Hari	N.T. Hari
11.	CSE	B	19UCSE051	DANISH RUBHAN.S	S. Dal.	S. Dal.	S. Dal.
12.	CSE	A	19UCSE053	ARAVINTH.K	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
13.	CSE	A	19UCSE056	PRASANNA KUMAR.S	S. Prasad	S. Prasad	<i>[Signature]</i>
14.	CSE	B	19UCSE059	ARAVIND.S	S. Aravind	S. Aravind	S. Aravind
15.	CSE	A	19UCSE060	RAM PRASANTH.P	AB	AB	AB
16.	CSE	B	19UCSE064	SAKTHI GANESH.A	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
17.	CSE	B	19UCSE065	SUJITH GEO.B	AB	AB	AB

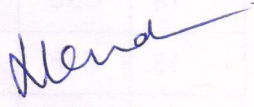


S. No.	Dept.	Section	Roll No.	Student Name	Signature		
					09.00AM-10.40 AM	11.00 AM-12.40 PM	01.30 PM-04.00 PM
18.	CSE	B	19UCSE067	BHARATHI MUTHU.M	AB	AB	AB
19.	CSE	A	19UCSE068	GANESHGURU.A	A. Ganesh	A. Ganesh	A. Ganesh
20.	CSE	B	19UCSE069	JAINUL MUFIFIKA.H	H. Jainul	H. Jainul	H. Jainul
21.	CSE	B	19UCSE070	DHARANIDHARAN.K	D. Dhara	D. Dhara	D. Dhara
22.	CSE	A	19UCSE071	SUBRADEEPA.T.P	T.P. Sub	T.P. Sub	T.P. Sub
23.	CSE	B	19UCSE073	THANGATAMILSELVI.S	S. Thang	S. Thang	S. Thang
24.	CSE	A	19UCSE078	TORFE RAAJ.A	A. Torfe	A. Torfe	A. Torfe
25.	CSE	B	19UCSE079	KARTHICKRAJA.P	P. Karthi	P. Karthi	P. Karthi
26.	CSE	B	19UCSE086	ABOBACKER SIDDIQUE.S	S. Siddique	S. Siddique	S. Siddique
27.	CSE	A	19UCSE087	RAMKUMAR.M	M. Ram	M. Ram	M. Ram
28.	CSE	A	19UCSE088	RISHIDHARAN.P	P. Rishi	P. Rishi	P. Rishi
29.	CSE	B	19UCSE093	ANIMA.U	U. Anima	U. Anima	U. Anima
30.	CSE	B	19UCSE096	VIGNESH KUMAR.K	K. Vignesh	K. Vignesh	K. Vignesh
31.	CSE	B	19UCSE097	KAILASH.K	K. Kailash	K. Kailash	K. Kailash
32.	CSE	B	19UCSE099	MAHARAJAN.M	M. Maha	M. Maha	M. Maha
33.	CSE	A	19UCSE100	MOHAN RAM.T	T. Mohan	T. Mohan	T. Mohan
34.	CSE	B	19UCSE104	KARTHICKPRABHU.S	S. Karthi	S. Karthi	S. Karthi
35.	CSE	A	19UCSE105	ARUN.U	U. Arun	U. Arun	U. Arun
36.	CSE	Faculty		P. PRAVEEN KUMAR	P. Praveen	P. Praveen	P. Praveen
37.	CSE	Faculty		R. RAMYA	R. Ramya	R. Ramya	R. Ramya
38.	CSE	Faculty		P. KAVITHA	P. Kavitha	P. Kavitha	P. Kavitha
39.	CSE	FACULTY		K. INDUMATHI	K. Indumathi	K. Indumathi	K. Indumathi
40.	CSE	Faculty		Gr.Nirmala	G. Nirmala	G. Nirmala	G. Nirmala

Trainer(s)  
  
 S. Avinash  
 R. Mathiyalagan

Course Coordinator(s)  
  
 T. Rajashree  
 G. Vijayalalitha

VAC Co-ordinator  
  
 Dr. G. Nirmala

HOD/CSE  




## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

### Attendance sheet

### Fundamentals of Blockchain and Cryptocurrency

Total No. of Students: 35

Date: 15.03.2022

Attended Students: 34

Trainers Name: S. Arinashi & A. Muthiyalagan

#### Day 2

S. No.	Dept.	Section	Roll No.	Student Name	Signature		
					09.00AM-10.40 AM	11.00 AM-12.40 PM	01.30 PM-04.00 PM
1.	CSE	A	19UCSE002	PRASANA KUMAR.N	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
2.	CSE	A	19UCSE003	NAVEEN.R	AB	AB	AB
3.	CSE	A	19UCSE013	KARTHIK.M	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
4.	CSE	A	19UCSE014	DHANALAKSHMI S	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
5.	CSE	B	19UCSE017	PRAWIN KUMAR.C	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
6.	CSE	A	19UCSE027	BARATH MATTHEW.J.A	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
7.	CSE	A	19UCSE029	AATHAVAN.A.M	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
8.	CSE	A	19UCSE037	NAGAPPAN.K	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
9.	CSE	B	19UCSE045	GOKUL.K	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
10.	CSE	B	19UCSE049	HARIHARAN.N.T	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
11.	CSE	B	19UCSE051	DANISH RUBHAN.S	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
12.	CSE	A	19UCSE053	ARAVINTH.K	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
13.	CSE	A	19UCSE056	PRASANNA KUMAR.S	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
14.	CSE	B	19UCSE059	ARAVIND.S	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
15.	CSE	A	19UCSE060	RAM PRASANTH.P	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
16.	CSE	B	19UCSE064	SAKTHI GANESH.A	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
17.	CSE	B	19UCSE065	SUJITH GEO.B	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>



S. No.	Dept.	Section	Roll No.	Student Name	Signature		
					09.00AM-10.40 AM	11.00 AM-12.40 PM	01.30 PM-04.00 PM
18.	CSE	B	19UCSE067	BHARATHI MUTHU.M	Bharathi	Bharathi	Bharathi
19.	CSE	A	19UCSE068	GANESHGURU.A	A. Gurus	A. Gurus	A. Gurus
20.	CSE	B	19UCSE069	JAINUL MUFAFIKA.H	J.Jain	J.Jain	J.Jain
21.	CSE	B	19UCSE070	DHARANIDHARAN.K	Dharani	Dharani	Dharani
22.	CSE	A	19UCSE071	SUBRADEEPA.T.P	T.P.Subdeepa	T.P.Subdeepa	T.P.Subdeepa
23.	CSE	B	19UCSE073	THANGATAMILSELVI.S	S.M.	S.M.	S.M.
24.	CSE	A	19UCSE078	TORFE RAAJ.A	A.Raj	A.Raj	A.Raj
25.	CSE	B	19UCSE079	KARTHICKRAJA.P	R.P.	R.P.	R.P.
26.	CSE	B	19UCSE086	ABOBACKER SIDDIQUE.S	Siddique	Siddique	Siddique
27.	CSE	A	19UCSE087	RAMKUMAR.M	M. Ram	M. Ram	M. Ram
28.	CSE	A	19UCSE088	RISHIDHARAN.P	P. Rishi	P. Rishi	P. Rishi
29.	CSE	B	19UCSE093	ANIMA.U	U. Anima	U. Anima	U. Anima
30.	CSE	B	19UCSE096	VIGNESH KUMAR.K	K. Vignesh	K. Vignesh	K. Vignesh
31.	CSE	B	19UCSE097	KAILASH.K	K. Kailash	K. Kailash	K. Kailash
32.	CSE	B	19UCSE099	MAHARAJAN.M	M. Mah	M. Mah	M. Mah
33.	CSE	A	19UCSE100	MOHAN RAM.T	T. Moh	T. Moh	T. Moh
34.	CSE	B	19UCSE104	KARTHICKPRABHU.S	S. Prabhu	S. Prabhu	S. Prabhu
35.	CSE	A	19UCSE105	ARUN.U	U. Arun	U. Arun	U. Arun
36.	CSE	Faculty		RAMYA.R	R. Ramya	R. Ramya	R. Ramya

Trainer(s)

Course Coordinator(s)

VAC Co-ordinator

HOD/CSE

Ms. T. Rajashree

Ms. G. Vijayalalitha

Dr. G. Nirmala

Ms. S. Arinash

Ms. P. Mathiyalagan



## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

### Attendance sheet

### Fundamentals of Blockchain and Cryptocurrency

Total No. of Students: 35

Date: 06.04 2022

Attended Students: 30

Trainers Name: Mr. S. Avinash & Mr. R. Mathiyalagan

#### Day 3

S. No.	Dept.	Section	Roll No.	Student Name	Signature		
					09.00AM-10.40 AM	11.00 AM-12.40 PM	01.30 PM-04.00 PM
1.	CSE	A	19UCSE002	PRASANA KUMAR.N	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
2.	CSE	A	19UCSE003	NAVEEN.R	R.Naz	R.Naz	R.Naz
3.	CSE	A	19UCSE013	KARTHIK.M	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
4.	CSE	A	19UCSE014	DHANALAKSHMI S	B.DLi	B.DLi	B.DLi
5.	CSE	B	19UCSE017	PRAWIN KUMAR.C	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
6.	CSE	A	19UCSE027	BARATH MATTHEW.J.A	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
7.	CSE	A	19UCSE029	AATHAVAN.A.M	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
8.	CSE	A	19UCSE037	NAGAPPAN.K	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
9.	CSE	B	19UCSE045	GOKUL.K	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
10.	CSE	B	19UCSE049	HARIHARAN.N.T	AB	AB	AB
11.	CSE	B	19UCSE051	DANISH RUBHAN.S	S.Dani	S.Dani	S.Dani
12.	CSE	A	19UCSE053	ARAVINTH.K	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
13.	CSE	A	19UCSE056	PRASANNA KUMAR.S	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
14.	CSE	B	19UCSE059	ARAVIND.S	S.Aravind	S.Aravind	S.Aravind
15.	CSE	A	19UCSE060	RAM PRASANTH.P	AB	AB	AB
16.	CSE	B	19UCSE064	SAKTHI GANESH.A	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
17.	CSE	B	19UCSE065	SUJITH GEO.B	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>



S. No.	Dept.	Section	Roll No.	Student Name	Signature		
					09.00AM-10.40 AM	11.00 AM-12.40 PM	01.30 PM-04.00 PM
18.	CSE	B	19UCSE067	BHARATHI MUTHU.M	M. Bharathi	M. Bharathi	M. Bharathi
19.	CSE	A	19UCSE068	GANESHGURU.A	A. Ganesh	A. Ganesh	A. Ganesh
20.	CSE	B	19UCSE069	JAINUL MUFAFIKA.H	H. Jainul	H. Jainul	H. Jainul
21.	CSE	B	19UCSE070	DHARANIDHARAN.K	K. Dhara	K. Dhara	K. Dhara
22.	CSE	A	19UCSE071	SUBRADEEPA.T.P	T.P. Subrad	T.P. Subrad	T.P. Subrad
23.	CSE	B	19UCSE073	THANGATAMILSELVI.S	S. Thang	S. Thang	S. Thang
24.	CSE	A	19UCSE078	TORFE RAAJ.A	A. Torfe	A. Torfe	A. Torfe
25.	CSE	B	19UCSE079	KARTHICKRAJA.P	AB	AB	AB
26.	CSE	B	19UCSE086	ABOBACKER SIDDIQUE.S	AB	AB	AB
27.	CSE	A	19UCSE087	RAMKUMAR.M	M. Ram	M. Ram	M. Ram
28.	CSE	A	19UCSE088	RISHIDHARAN.P	P. Rishi	P. Rishi	P. Rishi
29.	CSE	B	19UCSE093	ANIMA.U	U. Anima	U. Anima	U. Anima
30.	CSE	B	19UCSE096	VIGNESH KUMAR.K	AB	AB	AB
31.	CSE	B	19UCSE097	KAILASH.K	K. Kailash	K. Kailash	K. Kailash
32.	CSE	B	19UCSE099	MAHARAJAN.M	M. Mahar	M. Mahar	M. Mahar
33.	CSE	A	19UCSE100	MOHAN RAM.T	T. Mohan	T. Mohan	T. Mohan
34.	CSE	B	19UCSE104	KARTHICKPRABHU.S	S. Karthi	S. Karthi	S. Karthi
35.	CSE	A	19UCSE105	ARUN.U	U. Arun	U. Arun	U. Arun

Mr. S. Avinash  
Mr. R. Mathiyalagan

Trainer(s)

Ms. T. Rajashree  
Ms. G. vijayalalitha

Course Coordinator(s)

VAC Co-ordinator  
Dr. G. Nirmala

HOD/CSE

Ms. N. Anand



## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

### Attendance sheet

### Fundamentals of Blockchain and Cryptocurrency

Total No. of Students: 35

Date: 07.04.2022

Attended Students: 31

Trainers Name: Mr.S.Avinash & Mr. R. Mathiyalaagan

#### Day 4

S. No.	Dept.	Section	Roll No.	Student Name	Signature		
					09.00AM-10.40 AM	11.00 AM-12.40 PM	01.30 PM -04.00 PM
1.	CSE	A	19UCSE002	PRASANA KUMAR.N	<i>Prasana</i>	<i>Prasana</i>	<i>Prasana</i>
2.	CSE	A	19UCSE003	NAVEEN.R	<i>R.Naveen</i>	<i>R.Naveen</i>	<i>R.Naveen</i>
3.	CSE	A	19UCSE013	KARTHIK.M	<i>M.Karthik</i>	<i>M.Karthik</i>	<i>M.Karthik</i>
4.	CSE	A	19UCSE014	DHANALAKSHMI S	<i>S.DL</i>	<i>S.DL</i>	<i>S.DL</i>
5.	CSE	B	19UCSE017	PRAWIN KUMAR.C	<i>P</i>	<i>P</i>	<i>P</i>
6.	CSE	A	19UCSE027	BARATH MATTHEW.J.A	<i>AB</i>	<i>AB</i>	<i>AB</i>
7.	CSE	A	19UCSE029	AATHAVAN.A.M	<i>Aathavan</i>	<i>Aathavan</i>	<i>Aathavan</i>
8.	CSE	A	19UCSE037	NAGAPPAN.K	<i>K.Nagappan</i>	<i>K.Nagappan</i>	<i>K.Nagappan</i>
9.	CSE	B	19UCSE045	GOKUL.K	<i>Gokul</i>	<i>Gokul</i>	<i>Gokul</i>
10.	CSE	B	19UCSE049	HARIHARAN.N.T	<i>Harihara</i>	<i>Harihara</i>	<i>Harihara</i>
11.	CSE	B	19UCSE051	DANISH RUBHAN.S	<i>S.DL</i>	<i>S.DL</i>	<i>S.DL</i>
12.	CSE	A	19UCSE053	ARAVINTH.K	<i>Aravinth</i>	<i>Aravinth</i>	<i>Aravinth</i>
13.	CSE	A	19UCSE056	PRASANNA KUMAR.S	<i>S.Prasanna</i>	<i>S.Prasanna</i>	<i>S.Prasanna</i>
14.	CSE	B	19UCSE059	ARAVIND.S	<i>S.Aravind</i>	<i>S.Aravind</i>	<i>S.Aravind</i>
15.	CSE	A	19UCSE060	RAM PRASANTH.P	<i>AB</i>	<i>AB</i>	<i>AB</i>
16.	CSE	B	19UCSE064	SAKTHI GANESH.A	<i>A</i>	<i>A</i>	<i>A</i>
17.	CSE	B	19UCSE065	SUJITH GEO.B	<i>Sujith</i>	<i>Sujith</i>	<i>Sujith</i>



S. No.	Dept.	Section	Roll No.	Student Name	Signature		
					09.00AM-10.40 AM	11.00 AM-12.40 PM	01.30 PM-04.00 PM
18.	CSE	B	19UCSE067	BHARATHI MUTHU.M	M. Bh	M. Bh	M. Bh
19.	CSE	A	19UCSE068	GANESHGURU.A	A Grandy	A Grandy	A Grandy
20.	CSE	B	19UCSE069	JAINUL MUFIFIKA.H	J. Jainul	J. Jainul	J. Jainul
21.	CSE	B	19UCSE070	DHARANIDHARAN.K	D. Dhara	D. Dhara	D. Dhara
22.	CSE	A	19UCSE071	SUBRADEEPA.T.P	T. P. Subh	T. P. Subh	T. P. Subh
23.	CSE	B	19UCSE073	THANGATAMILSELVI.S	S. Thang	S. Thang	S. Thang
24.	CSE	A	19UCSE078	TORFE RAAJ.A	A. Torfe	A. Torfe	A. Torfe
25.	CSE	B	19UCSE079	KARTHICKRAJA.P	AB	AB	AB
26.	CSE	B	19UCSE086	ABOBACKER SIDDIQUE.S	S. Siddique	S. Siddique	S. Siddique
27.	CSE	A	19UCSE087	RAMKUMAR.M	M. Ram	M. Ram	M. Ram
28.	CSE	A	19UCSE088	RISHIDHARAN.P	P. Rishi	P. Rishi	P. Rishi
29.	CSE	B	19UCSE093	ANIMA.U	U. Anima	U. Anima	U. Anima
30.	CSE	B	19UCSE096	VIGNESH KUMAR.K	K. Vignesh	K. Vignesh	K. Vignesh
31.	CSE	B	19UCSE097	KAILASH.K	K. Kailash	K. Kailash	K. Kailash
32.	CSE	B	19UCSE099	MAHARAJAN.M	M. Mah	M. Mah	M. Mah
33.	CSE	A	19UCSE100	MOHAN RAM.T	AB	AB	AB
34.	CSE	B	19UCSE104	KARTHICKPRABHU.S	S. Karthick	S. Karthick	S. Karthick
35.	CSE	A	19UCSE105	ARUN.U	U. Arun	U. Arun	U. Arun

*R. M. Vijayalagan*

*S. Avinash*  
Trainer(s)

*T. Rajashree*  
Course Coordinator(s)

*G. Nirmala*  
VAC Co-ordinator

*Murali*  
HOD/CSE

Mr. S. Avinash

Ms. T. Rajashree

Dr. G. Nirmala

Ms. R. M. Vijayalagan

Ms. G. Vijayalalithe



## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

### Attendance sheet

### Fundamentals of Blockchain and Cryptocurrency

Total No. of Students: 35

Date: 08.04.2022

Attended Students: 31

Trainers Name: S. Arinash & R. Muthiyalagan

#### Day 5

S. No.	Dept.	Section	Roll No.	Student Name	Signature		
					09.00AM-10.40 AM	11.00 AM-12.40 PM	01.30 PM-04.00 PM
1.	CSE	A	19UCSE002	PRASANA KUMAR.N	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
2.	CSE	A	19UCSE003	NAVEEN.R	<i>R. Naveen</i>	<i>R. Naveen</i>	<i>R. Naveen</i>
3.	CSE	A	19UCSE013	KARTHIK.M	<i>M. Karthik</i>	<i>M. Karthik</i>	<i>M. Karthik</i>
4.	CSE	A	19UCSE014	DHANALAKSHMI S	AB	AB	AB
5.	CSE	B	19UCSE017	PRAWIN KUMAR.C	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
6.	CSE	A	19UCSE027	BARATH MATTHEW.J.A	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
7.	CSE	A	19UCSE029	AATHAVAN.A.M	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
8.	CSE	A	19UCSE037	NAGAPPAN.K	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
9.	CSE	B	19UCSE045	GOKUL.K	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
10.	CSE	B	19UCSE049	HARIHARAN.N.T	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
11.	CSE	B	19UCSE051	DANISH RUBHAN.S	<i>S.R.S</i>	<i>S.R.S</i>	<i>S.R.S</i>
12.	CSE	A	19UCSE053	ARAVINTH.K	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
13.	CSE	A	19UCSE056	PRASANNA KUMAR.S	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
14.	CSE	B	19UCSE059	ARAVIND.S	<i>S. Aravind</i>	<i>S. Aravind</i>	<i>S. Aravind</i>
15.	CSE	A	19UCSE060	RAM PRASANTH.P	AB	AB	AB
16.	CSE	B	19UCSE064	SAKTHI GANESH.A	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
17.	CSE	B	19UCSE065	SUJITH GEO.B	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>



S. No.	Dept.	Section	Roll No.	Student Name	Signature		
					09.00AM-10.40 AM	11.00 AM-12.40 PM	01.30 PM-04.00 PM
18.	CSE	B	19UCSE067	BHARATHI MUTHU.M	M. Bh	M. Bh	M. Bh
19.	CSE	A	19UCSE068	GANESHGURU.A	A. Gur	A. Gur	A. Gur
20.	CSE	B	19UCSE069	JAINUL MUFIFIKA.H	J. Jain	J. Jain	J. Jain
21.	CSE	B	19UCSE070	DHARANIDHARAN.K	D. Hari	D. Hari	D. Hari
22.	CSE	A	19UCSE071	SUBRADEEPA.T.P	T.P. Sub	T.P. Sub	T.P. Sub
23.	CSE	B	19UCSE073	THANGATAMILSELVI.S	S. Thang	S. Thang	S. Thang
24.	CSE	A	19UCSE078	TORFE RAAJ.A	T. Raj	T. Raj	T. Raj
25.	CSE	B	19UCSE079	KARTHICKRAJA.P	AB	AB	AB
26.	CSE	B	19UCSE086	APOOBACKER SIDDIQUE.S	Siddique	Siddique	Siddique
27.	CSE	A	19UCSE087	RAMKUMAR.M	M. Ram	M. Ram	M. Ram
28.	CSE	A	19UCSE088	RISHIDHARAN.P	P. Rishi	P. Rishi	P. Rishi
29.	CSE	B	19UCSE093	ANIMA.U	A. U	A. U	A. U
30.	CSE	B	19UCSE096	VIGNESH KUMAR.K	AB	AB	AB
31.	CSE	B	19UCSE097	KAILASH.K	K. Kailash	K. Kailash	K. Kailash
32.	CSE	B	19UCSE099	MAHARAJAN.M	M. Raj	M. Raj	M. Raj
33.	CSE	A	19UCSE100	MOHAN RAM.T	T. Mohan	T. Mohan	T. Mohan
34.	CSE	B	19UCSE104	KARTHICKPRABHU.S	S. Prabhu	S. Prabhu	S. Prabhu
35.	CSE	A	19UCSE105	ARUN.U	U. Arun	U. Arun	U. Arun

*R. Maniyalagen*

Trainer(s)  
*[Signature]*

Mr. S. Anasli  
Ms. R. Maniyalagen

Course Coordinator(s)  
*[Signature]*  
Ms. T. Rajashree  
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VAC Co-ordinator  
*[Signature]*  
Dr. G. Nirmala

HOD/CSE  
*[Signature]*



## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

### Attendance sheet

### Fundamentals of Blockchain and Cryptocurrency

Total No. of Students: 35

Date: 09.04.2022

Attended Students: 31

Trainers Name: S. Arinash & R. Makiyalagan

#### Day 6

S. No.	Dept.	Section	Roll No.	Student Name	Signature		
					09.00AM-10.40 AM	11.00 AM-12.40 PM	01.30 PM-04.00 PM
1.	CSE	A	19UCSE002	PRASANA KUMAR.N	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
2.	CSE	A	19UCSE003	NAVEEN.R	AB	AB	AB
3.	CSE	A	19UCSE013	KARTHIK.M	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
4.	CSE	A	19UCSE014	DHANALAKSHMI S	b.d.k	b.d.k	b.d.k
5.	CSE	B	19UCSE017	PRAWIN KUMAR.C	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
6.	CSE	A	19UCSE027	BARATH MATTHEW.J.A	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
7.	CSE	A	19UCSE029	AATHAVAN.A.M	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
8.	CSE	A	19UCSE037	NAGAPPAN.K	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
9.	CSE	B	19UCSE045	GOKUL.K	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
10.	CSE	B	19UCSE049	HARIHARAN.N.T	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
11.	CSE	B	19UCSE051	DANISH RUBHAN.S	s.p.d	s.p.d	s.p.d
12.	CSE	A	19UCSE053	ARAVINTH.K	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
13.	CSE	A	19UCSE056	PRASANNA KUMAR.S	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
14.	CSE	B	19UCSE059	ARAVIND.S	S.Aravind	S.Aravind	S.Aravind
15.	CSE	A	19UCSE060	RAM PRASANTH.P	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
16.	CSE	B	19UCSE064	SAKTHI GANESH.A	A.G	A.G	A.G
17.	CSE	B	19UCSE065	SUJITH GEO.B	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>



S. No.	Dept.	Section	Roll No.	Student Name	Signature		
					09.00AM-10.40 AM	11.00 AM-12.40 PM	01.30 PM-04.00 PM
18.	CSE	B	19UCSE067	BHARATHI MUTHU.M	M. Bh	M. Bh	M. Bh
19.	CSE	A	19UCSE068	GANESHGURU.A	A. Gur	A. Gur	A. Gur
20.	CSE	B	19UCSE069	JAINUL MUFAFIKA.H	H. Jain	H. Jain	H. Jain
21.	CSE	B	19UCSE070	DHARANIDHARAN.K	K. Dhara	K. Dhara	K. Dhara
22.	CSE	A	19UCSE071	SUBRADEEPA.T.P	T.P. Sub	T.P. Sub	T.P. Sub
23.	CSE	B	19UCSE073	THANGATAMILSELVI.S	S. Th	S. Th	S. Th
24.	CSE	A	19UCSE078	TORFE RAAJA.A	A. Tor	A. Tor	A. Tor
25.	CSE	B	19UCSE079	KARTHICKRAJA.P	P. Kar	P. Kar	P. Kar
26.	CSE	B	19UCSE086	ABOBACKER SIDDIQUE.S	S. Ab	S. Ab	S. Ab
27.	CSE	A	19UCSE087	RAMKUMAR.M	M. Ram	M. Ram	M. Ram
28.	CSE	A	19UCSE088	RISHIDHARAN.P	P. Rish	P. Rish	P. Rish
29.	CSE	B	19UCSE093	ANIMA.U	U. Ani	U. Ani	U. Ani
30.	CSE	B	19UCSE096	VIGNESH KUMAR.K	K. Vign	K. Vign	K. Vign
31.	CSE	B	19UCSE097	KAILASH.K	K. Kail	K. Kail	K. Kail
32.	CSE	B	19UCSE099	MAHARAJAN.M	M. Mah	M. Mah	M. Mah
33.	CSE	A	19UCSE100	MOHAN RAM.T	T. Moh	T. Moh	T. Moh
34.	CSE	B	19UCSE104	KARTHICKPRABHU.S	S. Kar	S. Kar	S. Kar
35.	CSE	A	19UCSE105	ARUN.U	U. Ar	U. Ar	U. Ar

*R. Mathiyalagan*

Trainer(s)

Mr. S. A. Vinash  
Mr. R. Mathiyalagan

*Ms. T. Rajashree*

Ms. T. Rajashree

Ms. G. Vijayalalitha

*Dr. G. Nirmala*

VAC Co-ordinator

Dr. G. Nirmala

*N. N. N.*

HOD/CSE



## Part A

1. What is a Blockchain?

0 / 1 pt

*Auto-graded*

a) Database

b) Decentralised and Distributed Ledger



c) Cryptocurrency Technology

d) All the above



2. What is the default port number of HTTP protocol?

1 / 1 pt

*Auto-graded*

a) 443

b) 80



c) 3000

d) 81

3. Which method is used in Ethereum 2.0?

1 / 1 pt

*Auto-graded*

a) Proof of work

b) Proof of Stake



c) Proof of elapsed time

d) PBFT



4. How is web 3.0 called

1 / 1 pt

Auto-graded

a) AI web

b) Semantic web ✓

c) Interactive web

d) Blockchain web

5. What is the name of the Interpreter used in Google Chrome

1 / 1 pt

Auto-graded

a) Spider Monkey

b) JS Compiler

c) V8 Engine ✓

d) Chakra

6. Can Variables user in NodeJS access globally

1 / 1 pt

Auto-graded

a) YES ✓

b) NO

7. How to use SHA-256 algorithm in our node project?

1 / 1 pt

Auto-graded

a) Download from Github

b) Import from node modules ✓

c) Writing algorithm to convert it

d) Export from node

8. Why we use Jest library?

1 / 1 pt

Auto-graded

a) To develop clean codes

b) To execute the program properly

c) To format the code

d) To run unit tests ✓

9. What is the command to create a node project?

1 / 1 pt

*Auto-graded*

a) Node 'project filename'

b) npm init ✓

c) npm create project

d) npm run test

10. What is the first block called as?

1 / 1 pt

*Auto-graded*

a) Initial block

b) Home block

c) Genesis block ✓

d) Valid block

11. What is mining?

1 / 1 pt

*Auto-graded*

a) Generating a hash value

b) Creating a new block

c) Adding a block to the blockchain

d) All of the above ✓

12. What is average time limit to mine a block in bitcoin?

1 / 1 pt

*Auto-graded*

a) 1000 ms

b) 10 mins ✓

c) 6 mins

d) 10000 ms



13. In addBlock function how many inputs we need to provide?

0 / 1 pt  
Auto-graded

a) 4

b) 6



c) 1



d) 5

14. What is the first condition to check in isvalidchain function?

1 / 1 pt  
Auto-graded

a) It starts with genesis block



b) It has lasthash value

c) It has valid data

d) It is longer

15. What is the purpose of replaceChain()?

1 / 1 pt  
Auto-graded

a) To replace a new block

b) To replace the hash value

c) To replace the new Chain



d) None of the above

16. What is difficulty implies?

1 / 1 pt  
Auto-graded

a) improving efficiency

b) denotes the no. of starting zeroes in the hash value



c) denotes the no. of ending zeroes in the hash value

d) add logic to the chain

17. What is nonce ?

1 / 1 pt

Auto-graded

a) Additional input to improve difficulty

b) An incremental value to find the difficulty ✓

c) An input to the cryptohash function

d) All the above

18. What is Mine rate?

1 / 1 pt

Auto-graded

a) Time to add a block

b) No. of blocks generated

c) Average time to mine a block ✓

d) None of the above

19. Which type of language is JavaScript

1 / 1 pt

Auto-graded

a) Programming

b) Scripting ✓

c) Markup

d) styling

20. What is an API?

1 / 1 pt

Auto-graded

a) Application Protocol Integration

b) Application Programming Interface ✓

c) Application Programming Integration

d) Application Protocol Interface

21. What is the purpose of setTimeout function

0 / 1 pt

Auto-graded

a) To give time interval for a code

b) to call a function after a certain timeinterval ✓

c) to call a function once in a certain time interval

d) stops a function in a set time ✗



22. Is Express a dev dependency?

1 / 1 pt

Auto-graded

a) Yes

b) No



23. How to send the data to addblock through an API Post request?

1 / 1 pt

Auto-graded

a. In the URL

b. In the header

c. In the Body



d. None of the above

24. What is the purpose of using redis in our blockchain project?

1 / 1 pt

Auto-graded

a. To store the data

b. To call the data

c. To access Pub and Sub model



d. none of the above

25. How many types of Databases are there in general?

0 / 1 pt

Auto-graded

a. 3

b. 5

c. 2



d. 4



26. Which library is used to create multiple peers?

0 / 1 pt

Auto-graded

a. Request lib



b. Cross-environment lib



c. Jest lib

d. Nodemon lib

27. What type of encryption is used in blockchain?

1 / 1 pt

*Auto-graded*

- a. Symmetric
- b. Asymmetric ✓
- c. Monographic
- d. none of the above

28. Which Algorithm defines all the distribution, sync and maintenance of the blockchain?

1 / 1 pt

*Auto-graded*

- a. Proof of work
- b. Proof of stake
- c. Consensus Algorithm ✓
- d. PBFT

29. Which algorithm method is used in bitcoin for generating key pairs?

1 / 1 pt

*Auto-graded*

- a. elliptic curve cryptography ✓
- b. Sha-256
- c. Digital method
- d. All of the above

30. How do you define a server?

1 / 1 pt

*Auto-graded*

- a. Hardware Device
- b. A Computer in a Network
- c. Storage Device
- d. A software handling requests ✓



31. What is Node js?

2 / 2 pts  
Auto-graded

- a. A package manager
- b. A runtime environment
- c. A library
- d. None of the above

32. What is the actual key to run the test using jest library?

2 / 2 pts  
Auto-graded

- a. npm run test
- b. Jest --watchAll
- c. npm run start
- d. none of the above

33. How the blocks are connected to each other?

2 / 2 pts  
Auto-graded

- a. Through the chain
- b. Through the timestamp
- c. Through the lasthash
- d. None of the above

34. Bitcoin is example of

0 / 2 pts  
Auto-graded

- a. Private blockchain
- b. Private blockchain
- c. Consortium blockchain
- d. Hybrid blockchain

35. What are the input required in the mineBlock function?

2 / 2 pts  
Auto-graded

- a. data
- b. lastblock and data
- c. timestamp and data
- d. data and hash

36. For replaceChain function which condition is false?

2 / 2 pts

Auto-graded

- a. The chain must be longer
- b. The chain contains valid data field
- c. The chain is not tampered
- d. The chain should be greater than or equal to the existing chain ✓

37. How we can improve the proof of work system?

0 / 2 pts

Auto-graded

- a. By creating the validhash
- b. By adjusting the difficulty level ✗
- c. By using binary value instead of hexa value ✓
- d. None of the above

38. What are the parameters of the callback function on app.get method

2 / 2 pts

Auto-graded

- a. Hash, data
- b. Req, res ✓
- c. Port, url
- d. All the above

39. Which library is used to send request in sync chain method

2 / 2 pts

Auto-graded

- a. request ✓
- b. http
- c. nodemon
- d. none of the above



40. What is a Dapp?

0 / 2 pts  
Auto-graded

- a. A type of crypto currency ✓
- b. A Decentralised Application ✗
- c. A type of blockchain
- d. A condiment

41. What is transaction pool

2 / 2 pts  
Auto-graded

- a. A storage space for blocks
- b. A Space where temporary truncations are stored ✓
- c. A Condiment for the blockchain
- d. None of the above

42. What is 500 http error means?

2 / 2 pts  
Auto-graded

- a. server not found
- b. Redirection
- c. success
- d. Internal server error ✓

43. Which of the following are not the properties of the wallet?

2 / 2 pts  
Auto-graded

- a. balance
- b. Keypair
- c. Public key
- d. hash ✓

44. Which algorithm is used in elliptic curve cryptography?

2 / 2 pts

*Auto-graded*

a. Sha 256

b. Sha 51

c. Secp256k1



d. Hex-to-binary

45. Blockchain can be used in

2 / 2 pts

*Auto-graded*

a. cryptocurrencies

b. Social media

c. Logistics

d. All of the above





# Fundamentals of Blockchain and Cryptocurrencies ... (Fundamentals of Block chain and cryptocurrency)

34

Responses

34.0

Average Score

Closed

Status

## 1. What is a Blockchain? (1 point)

65% of respondents (22 of 34) answered this question correctly.

<span style="color: blue;">●</span> a) Database	0
<span style="color: orange;">●</span> b) Decentralised and Distributed...	9
<span style="color: green;">●</span> c) Cryptocurrency Technology	3
<span style="color: red;">●</span> d) All the above	22 ✓



## 2. What is the default port number of HTTP protocol? (1 point)

97% of respondents (33 of 34) answered this question correctly.

<span style="color: blue;">●</span> a) 443	1
<span style="color: orange;">●</span> b) 80	33 ✓
<span style="color: green;">●</span> c) 3000	0
<span style="color: red;">●</span> d) 81	0



3. Which method is used in Ethereum 2.0? (1 point)

94% of respondents (32 of 34) answered this question correctly.

- a) Proof of work 1
- b) Proof of Stake 32 ✓
- c) Proof of elapsed time 1
- d) PBFT 0



4. How is web 3.0 called (1 point)

97% of respondents (33 of 34) answered this question correctly.

- a) AI web 0
- b) Semantic web 33 ✓
- c) Interactive web 0
- d) Blockchain web 1



5. What is the name of the Interpreter used in Google Chrome (1 point)

97% of respondents (33 of 34) answered this question correctly.

- a) Spider Monkey 0
- b) JS Compiler 1
- c) V8 Engine 33 ✓
- d) Chakra 0



6. Can Variables user in NodeJS access globally (1 point)

100% of respondents (34 of 34) answered this question correctly.

- a) YES 34 ✓
- b) NO 0



7. How to use SHA-256 algorithm in our node project? (1 point)

88% of respondents (30 of 34) answered this question correctly.

- a) Download from Github 3
- b) Import from node modules 30 ✓
- c) Writing algorithm to convert it 0
- d) Export from node 1



8. Why we use Jest library? (1 point)

29% of respondents (10 of 34) answered this question correctly.

- a) To develop clean codes 22
- b) To execute the program prop... 1
- c) To format the code 1
- d) To run unit tests 10 ✓





9. What is the command to create a node project? (1 point)

82% of respondents (28 of 34) answered this question correctly.

- a) Node 'project filename' 3
- b) npm init 28 ✓
- c) npm create project 3
- d) npm run test 0



10. What is the first block called as? (1 point)

91% of respondents (31 of 34) answered this question correctly.

- a) Initial block 2
- b) Home block 1
- c) Genesis block 31 ✓
- d) Valid block 0



11. What is mining? (1 point)

29% of respondents (10 of 34) answered this question correctly.

- a) Generating a hash value 21
- b) Creating a new block 1
- c) Adding a block to the blockch... 2
- d) All of the above 10 ✓



12. What is average time limit to mine a block in bitcoin? (1 point)

97% of respondents (33 of 34) answered this question correctly.

- a) 1000 ms 1
- b) 10 mins 33 ✓
- c) 6 mins 0
- d) 10000 ms 0



13. In addBlock function how many inputs we need to provide? (1 point)

3% of respondents (1 of 34) answered this question correctly.

- a) 4 7
- b) 6 6
- c) 1 1 ✓
- d) 5 20



14. What is the first condition to check in isvalidchain function? (1 point)

76% of respondents (26 of 34) answered this question correctly.

- a) It starts with genesis block 26 ✓
- b) It has lasthash value 1
- c) It has valid data 3
- d) It is longer 4



15. What is the purpose of replaceChain()? (1 point)

74% of respondents (25 of 34) answered this question correctly.

- a) To replace a new block 1
- b) To replace the hash value 4
- c) To replace the new Chain 25 ✓
- d) None of the above 4



16. What is difficulty implies? (1 point)

71% of respondents (24 of 34) answered this question correctly.

- a) improving efficiency 4
- b) denotes the no. of starting ze... 24 ✓
- c) denotes the no. of ending zer... 4
- d) add logic to the chain 2



17. What is nonce ? (1 point)

74% of respondents (25 of 34) answered this question correctly.

- a) Additional input to improve d... 2
- b) An incremental value to find t... 25 ✓
- c) An input to the cryptohash fu... 3
- d) All the above 4





### 18. What is Mine rate? (1 point)

94% of respondents (32 of 34) answered this question correctly.

- a) Time to add a block 0
- b) No. of blocks generated 0
- c) Average time to mine a block 32 ✓
- d) None of the above 2



### 19. Which type of language is JavaScript (1 point)

97% of respondents (33 of 34) answered this question correctly.

- a) Programming 1
- b) Scripting 33 ✓
- c) Markup 0
- d) styling 0



### 20. What is an API? (1 point)

56% of respondents (19 of 34) answered this question correctly.

- a) Application Protocol Integrati... 0
- b) Application Programming Int... 19 ✓
- c) Application Programming Int... 1
- d) Application Protocol Interface 14



21. What is the purpose of setTimeout function (1 point)

21% of respondents (7 of 34) answered this question correctly.

- a) To give time interval for a code 0
- b) to call a function after a certa... 7 ✓
- c) to call a function once in a ce... 5
- d) stops a function in a set time 22



22. Is Express a dev dependency? (1 point)

18% of respondents (6 of 34) answered this question correctly.

- a) Yes 28
- b) No 6 ✓



23. How to send the data to addblock through an API Post request? (1 point)

26% of respondents (9 of 34) answered this question correctly.

- a. In the URL 3
- b. In the header 20
- c. In the Body 9 ✓
- d. None of the above 2



24. What is the purpose of using redis in our blockchain project? (1 point)

79% of respondents (27 of 34) answered this question correctly.

- a. To store the data 3
- b. To call the data 3
- c. To access Pub and Sub model 27 ✓
- d. none of the above 1



25. How many types of Databases are there in general? (1 point)

6% of respondents (2 of 34) answered this question correctly.

- a. 3 18
- b. 5 3
- c. 2 2 ✓
- d. 4 11



26. Which library is used to create multiple peers? (1 point)

12% of respondents (4 of 34) answered this question correctly.

- a. Request lib 4 ✓
- b. Cross-environment lib 6
- c. Jest lib 5
- d. Nodemon lib 19





27. What type of encryption is used in blockchain? (1 point)

38% of respondents (13 of 34) answered this question correctly.

- a. Symmetric 15
- b. Asymmetric 13 ✓
- c. Monographic 2
- d. none of the above 4



28. Which Algorithm defines all the distribution, sync and maintenance of the blockchain? (1 point)

(1 point)

88% of respondents (30 of 34) answered this question correctly.

- a. Proof of work 4
- b. Proof of stake 0
- c. Consensus Algorithm 30 ✓
- d. PBFT 0



29. Which algorithm method is used in bitcoin for generating key pairs? (1 point)

41% of respondents (14 of 34) answered this question correctly.

- a. elliptic curve cryptography 14 ✓
- b. Sha-256 15
- c. Digital method 3
- d. All of the above 2



30. How do you define a server? (1 point)

15% of respondents (5 of 34) answered this question correctly.

- a. Hardware Device 3
- b. A Computer in a Network 25
- c. Storage Device 1
- d. A software handling requests 5 ✓



31. What is Node js? (2 points)

76% of respondents (26 of 34) answered this question correctly.

- a. A package manager 3
- b. A runtime environment 26 ✓
- c. A library 4
- d. None of the above 1



32. What is the actual key to run the test using jest library? (2 points)

21% of respondents (7 of 34) answered this question correctly.

- a. npm run test 27
- b. Jest --watchAll 7 ✓
- c. npm run start 0
- d. none of the above 0



33. How the blocks are connected to each other? (2 points)

88% of respondents (30 of 34) answered this question correctly.

- a. Through the chain 2
- b. Through the timestamp 1
- c. Through the lasthash 30 ✓
- d. None of the above 1



34. Bitcoin is example of (2 points)

56% of respondents (19 of 34) answered this question correctly.

- a. Private blockchain 5
- b. Private blockchain 5
- c. Consortium blockchain 19 ✓
- d. Hybrid blockchain 5



35. What are the input required in the mineBlock function? (2 points)

76% of respondents (26 of 34) answered this question correctly.

- a. data 1
- b. lastblock and data 26 ✓
- c. timestamp and data 5
- d. data and hash 2





36. For replaceChain function which condition is false? (2 points)

18% of respondents (6 of 34) answered this question correctly.

- a. The chain must be longer 2
- b. The chain contains valid data ... 6
- c. The chain is not tampered 20
- d. The chain should be greater t... 6 ✓



37. How we can improve the proof of work system? (2 points)

21% of respondents (7 of 34) answered this question correctly.

- a. By creating the validhash 0
- b. By adjusting the difficulty level 24
- c. By using binary value instead ... 7 ✓
- d. None of the above 3



38. What are the parameters of the callback function on app.get method (2 points)

76% of respondents (26 of 34) answered this question correctly.

- a. Hash, data 3
- b. Req, res 26 ✓
- c. Port, url 3
- d. All the above 2



39. Which library is used to send request in sync chain method (2 points)

65% of respondents (22 of 34) answered this question correctly.

- a. request 22 ✓
- b. http 5
- c. nodemon 6
- d. none of the above 1



40. What is a Dapp? (2 points)

6% of respondents (2 of 34) answered this question correctly.

- a. A type of crypto currency 2 ✓
- b. A Decentralised Application 31
- c. A type of blockchain 1
- d. A condiment 0



41. What is transaction pool (2 points)

82% of respondents (28 of 34) answered this question correctly.

- a. A storage space for blocks 3
- b. A Space where temporary tru... 28 ✓
- c. A Condiment for the blockchain 0
- d. None of the above 3



42. What is 500 http error means? (2 points)

53% of respondents (18 of 34) answered this question correctly.

- a. server not found 10
- b. Redirection 5
- c. success 1
- d. Internal server error 18 ✓



43. Which of the following are not the properties of the wallet? (2 points)

24% of respondents (8 of 33) answered this question correctly.

- a. balance 0
- b. Keypair 17
- c. Public key 8
- d. hash 8 ✓



44. Which algorithm is used in elliptic curve cryptography? (2 points)

24% of respondents (8 of 34) answered this question correctly.

- a. Sha 256 10
- b. Sha 51 3
- c. Secp256k1 8 ✓
- d. Hex-to-binary 13





45. Blockchain can be used in (2 points)

88% of respondents (30 of 34) answered this question correctly.

<span style="color: blue;">●</span> a. cryptocurrencies	2
<span style="color: orange;">●</span> b. Social media	1
<span style="color: green;">●</span> c. Logistics	1
<span style="color: red;">●</span> d. All of the above	30 ✓



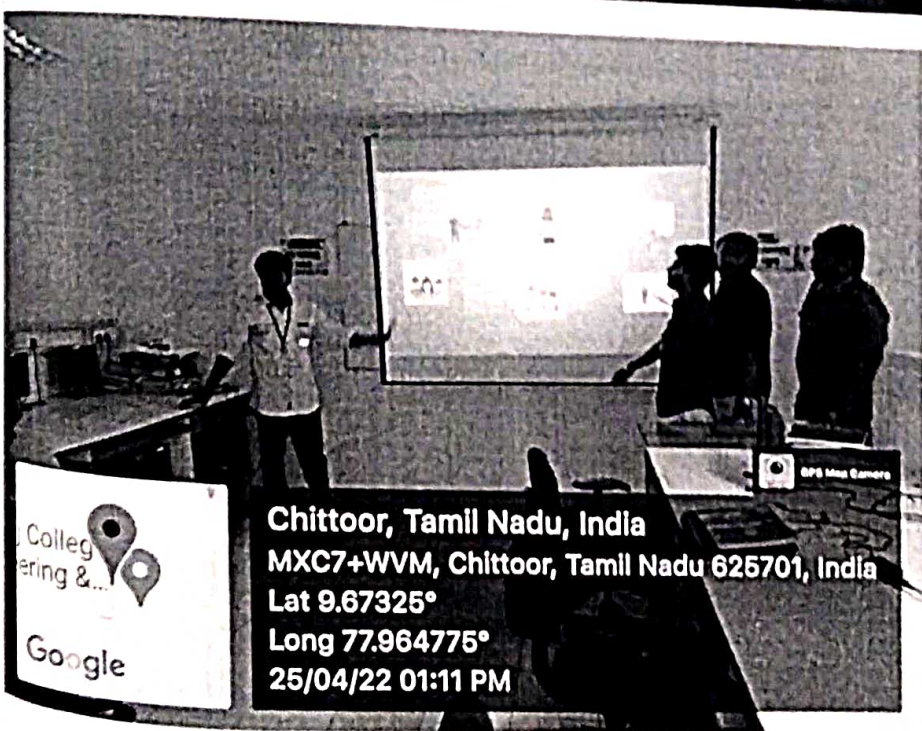
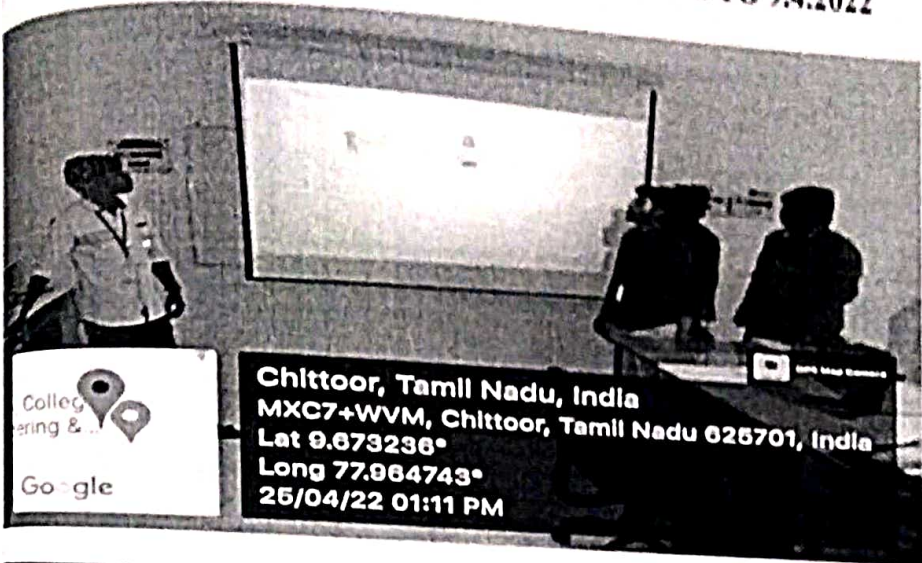
# KAMARAJ

COLLEGE OF ENGINEERING & TECHNOLOGY  
(An Autonomous Institution) AFFILIATED TO ANNA UNIVERSITY CHENNAI  
B.P.G. Chudambara Nadar - C Nagammat Campus  
B.P.G.C. Nagar, K.Vellakulam - 625 701 (Near VIRUDHUNAGAR)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALUE ADDED COURSE ON "FUNDAMENTALS OF BLOCKCHAIN AND CRYPTOCURRENCY"

14.3.2022 TO 15.3.2022 AND 6.4.2022 TO 9.4.2022



*[Signature]*  
Coordinator

*[Signature]*  
HoD-CSE



Department: CSE  
Year: III

Mark Statement

Regulation:2017  
Semester: VI

Sl.No.	Roll No.	Reg. No.	Student Name	Internal Marks (40)	External Marks (60)	Total (100)
1	19UCSE002	920419104064				
2	19UCSE003	920419104059	PRASANA KUMAR.N	40	35	75
3	19UCSE013	920419104043	NAVEEN.R	30	35	65
4	19UCSE014	920419104021	KARTHIK.M	40	36	76
5	19UCSE017	920419104067	DHANALAKSHMI S	30	36	66
6	19UCSE027	920419104014	PRAWIN KUMAR.C	35	36	71
7	19UCSE029	920419104001	BARATH MATTHEW.J.A	35	34	69
8	19UCSE037	920419104056	AATHAVAN.A.M	40	36	76
9	19UCSE045	920419104027	NAGAPPAN.K	40	34	74
10	19UCSE049	920419104029	GOKUL.K	40	34	74
11	19UCSE051	920419104019	HARIHARAN.N.T	30	33	63
12	19UCSE053	920419104009	DANISH RUBHAN.S	40	36	76
13	19UCSE056	920419104065	ARAVINTH.K	40	32	72
14	19UCSE059	920419104008	PRASANNA KUMAR.S	38	36	74
15	19UCSE060	920419104070	ARAVIND.S	40	41	81
16	19UCSE064	920419104075	RAM PRASANTH.P	35	37	72
17	19UCSE065	920419104088	SAKTHI GANESH.A	32	19	51
18	19UCSE067	920419104016	SUJITH GEO.B	30	36	66
19	19UCSE068	920419104026	BHARATHI MUTHU.M	40	42	82
20	19UCSE069	920419104034	GANESHGURU.A	35	48	83
21	19UCSE070	920419104022	JAINUL MUFIFIKA.H	35	31	66
22	19UCSE071	920419104086	DHARANIDHARAN.K	30	37	67
23	19UCSE073	920419104091	SUBRADEEPA.T.P	35	21	56
24	19UCSE078	920419104093	THANGATAMILSELVI.S	35	37	72
25	19UCSE079	920419104042	TORFE RAAJ.A	40	49	89
26	19UCSE086	920419104002	KARTHICKRAJA.P	30	20	50
27	19UCSE087	920419104028	ABOBACKER SIDDIQUE.S	30	23	53
28	19UCSE088	920419104072	RAMKUMAR.M	40	42	82
29	19UCSE093	920419104007	RISHIDHARAN.P	35	32	67
30	19UCSE096	920419104097	ANIMA.U	35	34	69
31	19UCSE097	920419104039	VIGNESH KUMAR.K	30	22	52
32	19UCSE099	920419104039	KAILASH.K	40	26	66
33	19UCSE100	920419104051	MAHARAJAN.M	35	24	59
34	19UCSE104	920419104054	MOHAN RAM.T	30	36	66
35	19UCSE105	920419104010	KARTHICKPRABHU.S	40	33	73
			ARUN.U	35	36	71

VAC Coordinator

HoD



Respondent

< 21 BHARATHI MUTHU.M >

00:28  
Time to complete

1. Name of the Participant (Eg:Mr/Ms/) \*

Bharathi Muthu M

2. Designation \*

Student

Staff

3. Roll No \*

19UCSE067

4. Were objectives of the Program met? \*

Completely agree

Strongly agree

Agree

Partly Agree

Disagree

5. Was the Program sequence well planned? \*

Completely agree

- Strongly agree
- Agree
- Partly Agree
- Disagree

6. Were the lectures clear and easy to understand? \*

- Completely agree
- Strongly agree
- Agree
- Partly Agree
- Disagree

7. Whether the instructors encouraged the interaction? \*

- Completely agree
- Strongly agree
- Agree
- Partly Agree
- Disagree

8. The information delivered at this Program was highly beneficial. \*

- Completely agree
- Strongly agree
- Agree
- Partly Agree

Disagree

9. Organization of the Program was Good \*

Completely agree


Strongly agree

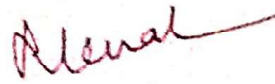
Agree

Partly Agree

Disagree

10. Comments/Suggestions

  
coordinators

  
Ho Dese





# Fundamentals of Blockchain and Cryptocurrency - 06.04.2022

**30**  
Responses

**02:10**  
Average time to complete

**Active**  
Status

## 1. Name of the Participant (Eg:Mr/Ms/)

**30**  
Responses

Latest Responses

"Sujith Geo.B"

"Ms.U.ANIMA"

"S.prasanna kumar"

4 respondents (13%) answered **Mr** for this question.



## 2. Designation

- Student 30
- Staff 0



### 3. Roll No

30  
Responses

#### Latest Responses

"19ucse065"

"19UCSE093"

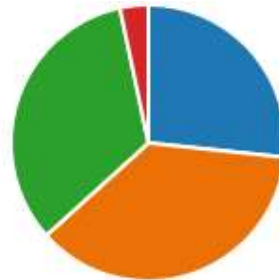
"19ucse056"

1 respondents (3%) answered 19UCSE029 for this question.



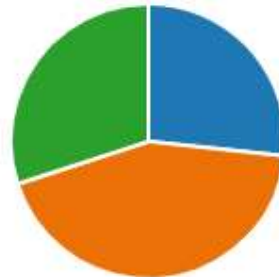
### 4. Were objectives of the Program met?

- Completely agree 8
- Strongly agree 11
- Agree 10
- Partly Agree 1
- Disagree 0



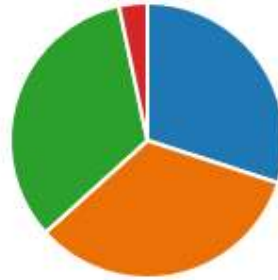
### 5. Was the Program sequence well planned?

- Completely agree 8
- Strongly agree 13
- Agree 9
- Partly Agree 0
- Disagree 0



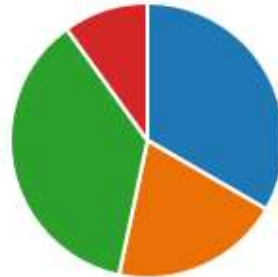
6. Were the lectures clear and easy to understand?

Completely agree	9
Strongly agree	10
Agree	10
Partly Agree	1
Disagree	0



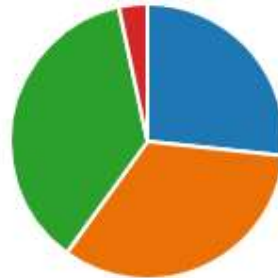
7. Whether the instructors encouraged the interaction?

Completely agree	10
Strongly agree	6
Agree	11
Partly Agree	3
Disagree	0



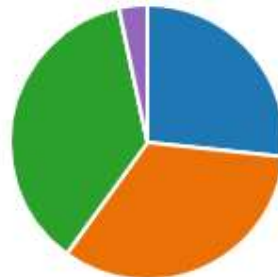
8. The information delivered at this Program was highly beneficial.

Completely agree	8
Strongly agree	10
Agree	11
Partly Agree	1
Disagree	0



9. Organization of the Program was Good

Completely agree	8
Strongly agree	10
Agree	11
Partly Agree	0
Disagree	1





### 10. Comments/Suggestions

8  
Responses

Latest Responses  
"GOOD"

2 respondents (25%) answered good for this question.

Useful  
 difficult **good** num illa  
 Excellent session **NON** Interactive teaching

*[Handwritten signature]*  
Co-ordinators

*[Handwritten signature]*  
HO AC SE

Respondent

< 30 TORFE RAAJ.A >

00:47  
Time to complete

1. Name of the Participant (Eg:Mr/Ms/) \*

Mr. A. Torfe Raaj

2. Designation \*

Student

Staff

3. Roll No \*

19UCSE078

4. Were objectives of the Program met? \*

Completely agree

Strongly agree

Agree

Partly Agree

Disagree

5. Was the Program sequence well planned? \*

Completely agree

- Strongly agree
- Agree
- Partly Agree
- Disagree

6. Were the lectures clear and easy to understand? \*

- Completely agree
- Strongly agree
- Agree
- Partly Agree
- Disagree

7. Whether the instructors encouraged the interaction? \*

- Completely agree
- Strongly agree
- Agree
- Partly Agree
- Disagree

8. The information delivered at this Program was highly beneficial. \*

- Completely agree
- Strongly agree
- Agree
- Partly Agree



Disagree

9. Organization of the Program was Good \*

Completely agree

Strongly agree

Agree

Partly Agree

Disagree

10. Comments/Suggestions

Awesome session

*Bug  
co-ordinators*

*Nehal  
HOD- C&E*



# Fundamentals of Blockchain and Cryptocurrency - 07.04.2022

**31**  
Responses

**01:07**  
Average time to complete

**Active**  
Status

## 1. Name of the Participant (Eg:Mr/Ms/)

**31**  
Responses

Latest Responses

"Mr.K.Vignesh Kumar"

"Mr. A. Torfe Raaj"

"dharanidharan"

4 respondents (13%) answered **kumar** for this question.

**Ms SDhanalakshmi**  
**MrKVignesh Kumar** **ARUN U** **Ramkumar MMrASakthi Ganesh**  
**Nagappan K** **K kumar** **Mr S** **karthickprabhu S**  
**Mr K Gokul**  
**MrCPRAWIN KUMAR** **Aravinth K** **sprasanna kumar** **Torfe**  
**DANISH** **HJAINUL MUFAFIKA** **Raaj** **SAbobacker Siddique**

## 2. Designation

- Student 31
- Staff 0



### 3. Roll No

**31**  
Responses

Latest Responses

"19UCSE096"

"19UCSE078"

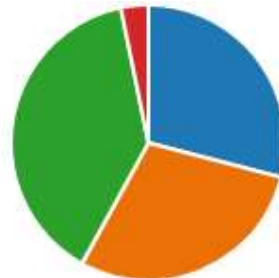
"19ucse070"

1 respondents (3%) answered **19UCSE049** for this question.

19ucse097    19ucse014    19ucse056    19ucse099    19UCSE068  
 19ucse087  
 19ucse065    19ucse093    19UCSE049    19UCSE064    19UCSE053  
 19ucse071    19ucse002    19ucse073    19ucse013    19UCSE029  
                   19UCSE003    19ucse086    19ucse088    19ucse069

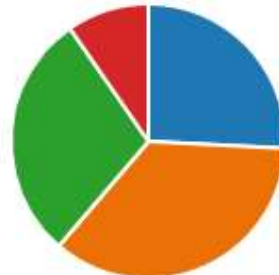
### 4. Were objectives of the Program met?

- Completely agree      9
- Strongly agree          9
- Agree                      12
- Partly Agree            1
- Disagree                 0



### 5. Was the Program sequence well planned?

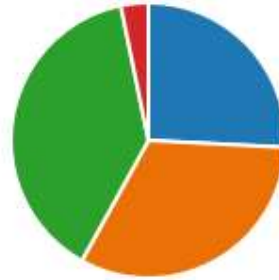
- Completely agree      8
- Strongly agree          11
- Agree                      9
- Partly Agree            3
- Disagree                 0





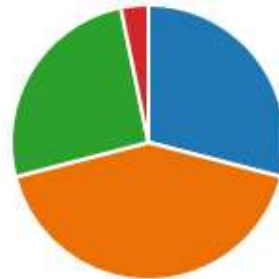
6. Were the lectures clear and easy to understand?

<span style="color: blue;">●</span> Completely agree	8
<span style="color: orange;">●</span> Strongly agree	10
<span style="color: green;">●</span> Agree	12
<span style="color: red;">●</span> Partly Agree	1
<span style="color: purple;">●</span> Disagree	0



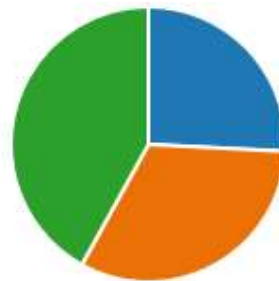
7. Whether the instructors encouraged the interaction?

<span style="color: blue;">●</span> Completely agree	9
<span style="color: orange;">●</span> Strongly agree	13
<span style="color: green;">●</span> Agree	8
<span style="color: red;">●</span> Partly Agree	1
<span style="color: purple;">●</span> Disagree	0



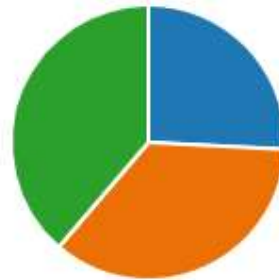
8. The information delivered at this Program was highly beneficial.

<span style="color: blue;">●</span> Completely agree	8
<span style="color: orange;">●</span> Strongly agree	10
<span style="color: green;">●</span> Agree	13
<span style="color: red;">●</span> Partly Agree	0
<span style="color: purple;">●</span> Disagree	0



9. Organization of the Program was Good

<span style="color: blue;">●</span> Completely agree	8
<span style="color: orange;">●</span> Strongly agree	11
<span style="color: green;">●</span> Agree	12
<span style="color: red;">●</span> Partly Agree	0
<span style="color: purple;">●</span> Disagree	0



13/04/2022, 12:23

Fundamentals of Blockchain and Cryptocurrency - 07.04.2022 (Edit) Microsoft Forms

## 10. Comments/Suggestions

8

Responses

Latest Responses

"Awesome session"

..

4 respondents (50%) answered **Good** for this question.

techniques **Good** Awesome session

Respondent

<   >

00:47  
Time to complete

1. Name of the Participant (Eg:Mr/Ms/) \*

s.prasanna kumar

2. Designation \*

Student

Staff

3. Roll No \*

19ucse056

4. Were objectives of the Program met? \*

Completely agree

Strongly agree

Agree

Partly Agree

Disagree

5. Was the Program sequence well planned? \*

Completely agree



- Strongly agree
- Agree
- Partly Agree
- Disagree

6. Were the lectures clear and easy to understand? \*

- Completely agree
- Strongly agree
- Agree
- Partly Agree
- Disagree

7. Whether the instructors encouraged the interaction? \*

- Completely agree
- Strongly agree
- Agree
- Partly Agree
- Disagree

8. The information delivered at this Program was highly beneficial. \*

- Completely agree
- Strongly agree
- Agree
- Partly Agree

Disagree

9. Organization of the Program was Good \*

Completely agree

Strongly agree

Agree

Partly Agree

Disagree

10. Comments/Suggestions

*Ruby*  
-ordinators

*Alena*  
HORSE



# Fundamentals of Blockchain and Cryptocurrency - 08.04.2022

**30**  
Responses

**00:52**  
Average time to complete

**Active**  
Status

## 1. Name of the Participant (Eg:Mr/Ms/)

**30**  
Responses

Latest Responses  
"J.A.BARATH MATTHEW"  
"Mr. A. Torfe Raaj"  
"ARUN U"

4 respondents (13%) answered **Mr** for this question.



## 2. Designation

- Student 30
- Staff 0





### 3. Roll No

**30**  
Responses

Latest Responses

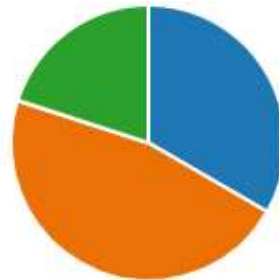
- "19ucse027"
- "19UCSE078"
- "19UCSE105"

1 respondents (3%) answered **19UCSE064** for this question.



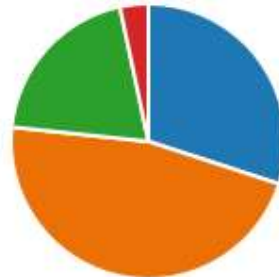
### 4. Were objectives of the Program met?

<span style="color: blue;">●</span> Completely agree	10
<span style="color: orange;">●</span> Strongly agree	14
<span style="color: green;">●</span> Agree	6
<span style="color: red;">●</span> Partly Agree	0
<span style="color: purple;">●</span> Disagree	0



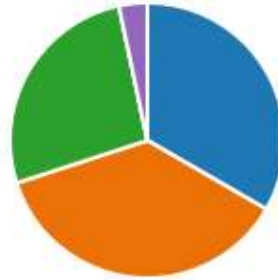
### 5. Was the Program sequence well planned?

<span style="color: blue;">●</span> Completely agree	9
<span style="color: orange;">●</span> Strongly agree	14
<span style="color: green;">●</span> Agree	6
<span style="color: red;">●</span> Partly Agree	1
<span style="color: purple;">●</span> Disagree	0



### 6. Were the lectures clear and easy to understand?

Completely agree	10
Strongly agree	11
Agree	8
Partly Agree	0
Disagree	1



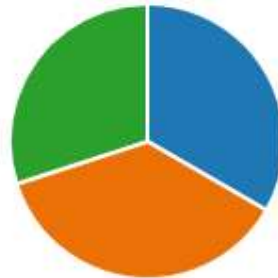
### 7. Whether the instructors encouraged the interaction?

Completely agree	9
Strongly agree	12
Agree	9
Partly Agree	0
Disagree	0



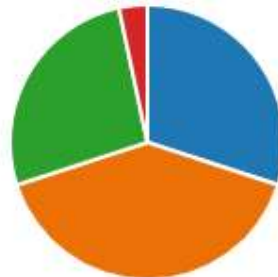
### 8. The information delivered at this Program was highly beneficial.

Completely agree	10
Strongly agree	11
Agree	9
Partly Agree	0
Disagree	0



### 9. Organization of the Program was Good

Completely agree	9
Strongly agree	12
Agree	8
Partly Agree	1
Disagree	0



10. Comments/Suggestions

6

Responses

Latest Responses  
"good session"

4 respondents (67%) answered **good** for this question.

**good session  
manner**

**good**

**good in coding  
coding and difficulty**

*[Handwritten signature]*  
Co-ordinators

*[Handwritten signature]*  
HOD - CSE



Respondent

<   >

**01:05**  
Time to complete

1. Name of the Participant (Eg:Mr/Ms/) \*

2. Designation \*

- Student
- Staff

3. Roll No \*

4. Were objectives of the Program met? \*

- Completely agree
- Strongly agree
- Agree
- Partly Agree
- Disagree

5. Was the Program sequence well planned? \*

- Completely agree

- Strongly agree
- Agree
- Partly Agree
- Disagree

6. Were the lectures clear and easy to understand? \*

- Completely agree
- Strongly agree
- Agree
- Partly Agree
- Disagree

7. Whether the instructors encouraged the interaction? \*

- Completely agree
- Strongly agree
- Agree
- Partly Agree
- Disagree

8. The information delivered at this Program was highly beneficial. \*

- Completely agree
- Strongly agree
- Agree
- Partly Agree

Disagree

9. Organization of the Program was Good \*

Completely agree

Strongly agree

Agree

Partly Agree

Disagree

10. Comments/Suggestions

*R uz*  
co-ordinators

*Nurul*  
HOD CSE





# Fundamentals of Blockchain and Cryptocurrency - 09.04.2022

**29**  
Responses

**00:45**  
Average time to complete

**Active**  
Status

## 1. Name of the Participant (Eg:Mr/Ms/)

**29**  
Responses

Latest Responses

"N.T.HARIHARAN"

"Mr.k. Vignesh kumar"

"GANESHGURU A"

4 respondents (14%) answered **kumar** for this question.



## 2. Designation

- Student 29
- Staff 0



### 3. Roll No

**29**  
Responses

#### Latest Responses

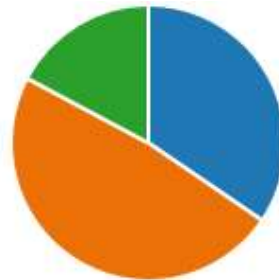
- "19UCSE049"
- "19ucse096"
- "19UCSE068"

1 respondents (3%) answered 19ucse097 for this question.



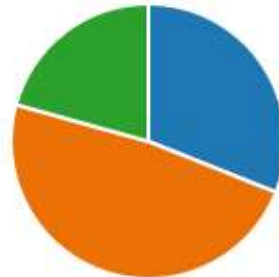
### 4. Were objectives of the Program met?

- Completely agree 10
- Strongly agree 14
- Agree 5
- Partly Agree 0
- Disagree 0



### 5. Was the Program sequence well planned?

- Completely agree 9
- Strongly agree 14
- Agree 6
- Partly Agree 0
- Disagree 0



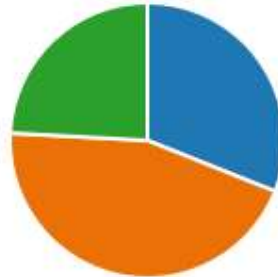
6. Were the lectures clear and easy to understand?

Completely agree	9
Strongly agree	12
Agree	8
Partly Agree	0
Disagree	0



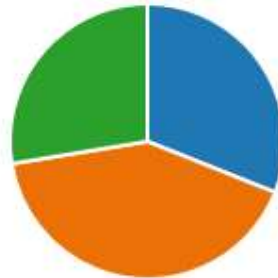
7. Whether the instructors encouraged the interaction?

Completely agree	9
Strongly agree	13
Agree	7
Partly Agree	0
Disagree	0



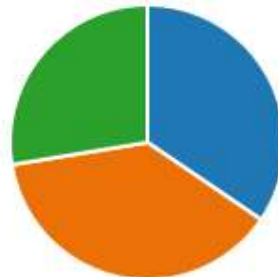
8. The information delivered at this Program was highly beneficial.

Completely agree	9
Strongly agree	12
Agree	8
Partly Agree	0
Disagree	0



9. Organization of the Program was Good

Completely agree	10
Strongly agree	11
Agree	8
Partly Agree	0
Disagree	0





### 10. Comments/Suggestions

7  
Responses

Latest Responses  
"Nice 😊"

4 respondents (57%) answered **good** for this question.

good session  
session is good  
Nice 😊

**good** session

*f us*  
co-ordinators

*Manal*  
HOD - CSE

Respondent

< 13 GOKUL.K >

00:51  
Time to complete

1. Name of the Participant (Eg:Mr/Ms/) \*

K. Gokul

2. Designation \*

Student

Staff

3. Roll No \*

19ucse045

4. Were objectives of the Program met? \*

Completely agree

Strongly agree

Agree

Partly Agree

Disagree

5. Was the Program sequence well planned? \*

Completely agree

- Strongly agree
- Agree
- Partly Agree
- Disagree

6. Were the lectures clear and easy to understand? \*

- Completely agree
- Strongly agree
- Agree
- Partly Agree
- Disagree

7. Whether the instructors encouraged the interaction? \*

- Completely agree
- Strongly agree
- Agree
- Partly Agree
- Disagree

8. The information delivered at this Program was highly beneficial. \*

- Completely agree
- Strongly agree
- Agree
- Partly Agree



Disagree

9. Organization of the Program was Good \*

Completely agree


Strongly agree


Agree

Partly Agree

Disagree

10. Comments/Suggestions

  
Co-ordinators

  
HOD- CSE



# Fundamentals of Blockchain and Cryptocurrency - 14.03.2022

**32**  
Responses

**01:48**  
Average time to complete

**Active**  
Status

## 1. Name of the Participant (Eg:Mr/Ms/)

**32**  
Responses

Latest Responses

"Sujith Geo.B"

"KARTHICKRAJA.P"

"ARUN.U"

4 respondents (13%) answered **kumar** for this question.



## 2. Designation

● Student

32

● Staff

0



### 3. Roll No

32  
Responses

Latest Responses

"19ucse065"

"079"

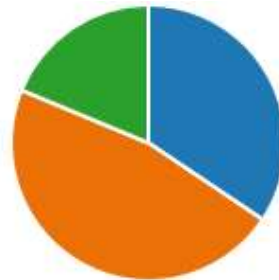
"19UCSE105"

1 respondents (3%) answered 19UCSE029 for this question.

19ucse013 19ucse096 19ucse073 19UCSE064 19UCSE049  
 19ucse002 19ucse086 19UCSE093  
 19ucse071 19ucse079 19UCSE029 19ucse097 19ucse014  
 19ucse099 19UCSE069 19UCSE068 19ucse087 19ucse088 19ucse056  
 19ucse065

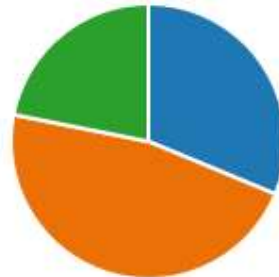
### 4. Were objectives of the Program met?

- Completely agree 11
- Strongly agree 15
- Agree 6
- Partly Agree 0
- Disagree 0



### 5. Was the Program sequence well planned?

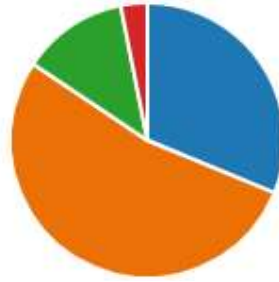
- Completely agree 10
- Strongly agree 15
- Agree 7
- Partly Agree 0
- Disagree 0





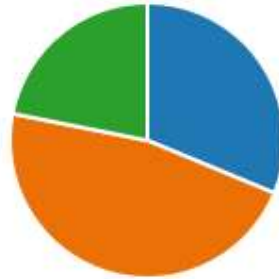
6. Were the lectures clear and easy to understand?

Completely agree	10
Strongly agree	17
Agree	4
Partly Agree	1
Disagree	0



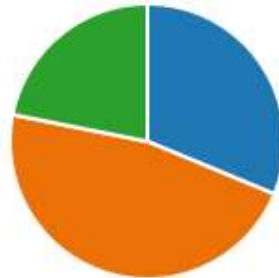
7. Whether the instructors encouraged the interaction?

Completely agree	10
Strongly agree	15
Agree	7
Partly Agree	0
Disagree	0



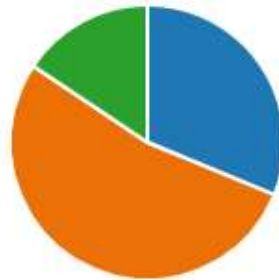
8. The information delivered at this Program was highly beneficial.

Completely agree	10
Strongly agree	15
Agree	7
Partly Agree	0
Disagree	0



9. Organization of the Program was Good

Completely agree	10
Strongly agree	17
Agree	5
Partly Agree	0
Disagree	0



### 10. Comments/Suggestions

16  
Responses

Latest Responses

..

\*Nice\*

9 respondents (56%) answered **Good** for this question.

none need theory theory portions Nice  
 good interaction **Good** Useful Extend the hrs  
 Good Teaching good session  
 Fully practical interactive session class

*[Signature]*  
UG  
Coordinators

*[Signature]*  
HOD - CSE

Respondent

<   >

00:41  
Time to complete

1. Name of the Participant (Eg:Mr/Ms/) \*

2. Designation \*

- Student
- Staff

3. Roll No \*

4. Were objectives of the Program met? \*

- Completely agree
- Strongly agree
- Agree
- Partly Agree
- Disagree

5. Was the Program sequence well planned? \*

- Completely agree



- Strongly agree
- Agree
- Partly Agree
- Disagree

6. Were the lectures clear and easy to understand? \*

- Completely agree
- Strongly agree
- Agree
- Partly Agree
- Disagree

7. Whether the instructors encouraged the interaction? \*

- Completely agree
- Strongly agree
- Agree
- Partly Agree
- Disagree

8. The information delivered at this Program was highly beneficial. \*

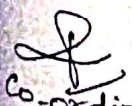
- Completely agree
- Strongly agree
- Agree
- Partly Agree


Disagree

9. Organization of the Program was Good \*

- Completely agree
- Strongly agree
- Agree
- Partly Agree
- Disagree

10. Comments/Suggestions

  
Co-ordinators

  
HOD. CSE



# Fundamentals of Blockchain and Cryptocurrency - 15.03.2022

**34**  
Responses

**00:54**  
Average time to complete

**Active**  
Status

## 1. Name of the Participant (Eg:Mr/Ms/)

**34**  
Responses

Latest Responses

- "Sujith Geo.B"
- "GANESHGURU A"
- "Mr.k.vignesh kumar"

4 respondents (12%) answered **kumar** for this question.



## 2. Designation

● Student	34
● Staff	0





3. Roll No

**34**  
Responses

Latest Responses

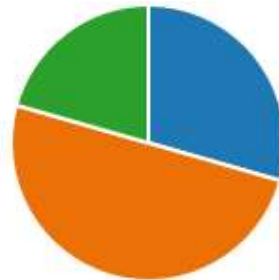
- "19ucse065"
- "19UCSE068"
- "19ucse096"

1 respondents (3%) answered **19ucse070** for this question.



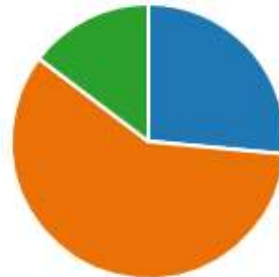
4. Were objectives of the Program met?

- Completely agree 10
- Strongly agree 17
- Agree 7
- Partly Agree 0
- Disagree 0



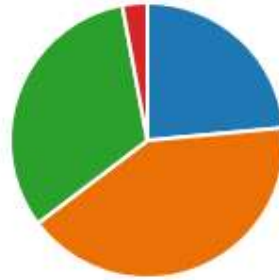
5. Was the Program sequence well planned?

- Completely agree 9
- Strongly agree 20
- Agree 5
- Partly Agree 0
- Disagree 0



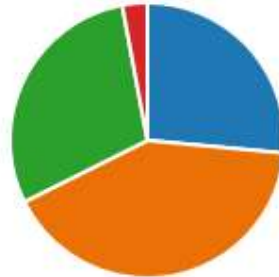
6. Were the lectures clear and easy to understand?

Completely agree	8
Strongly agree	14
Agree	11
Partly Agree	1
Disagree	0



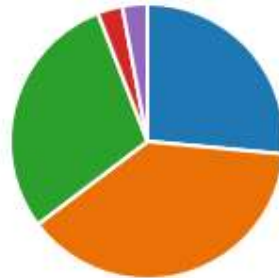
7. Whether the instructors encouraged the interaction?

Completely agree	9
Strongly agree	14
Agree	10
Partly Agree	1
Disagree	0



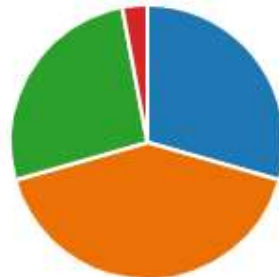
8. The information delivered at this Program was highly beneficial.

Completely agree	9
Strongly agree	13
Agree	10
Partly Agree	1
Disagree	1



9. Organization of the Program was Good

Completely agree	10
Strongly agree	14
Agree	9
Partly Agree	1
Disagree	0



### 10. Comments/Suggestions

13  
Responses

Latest Responses  
"Good"

5 respondents (38%) answered **Good** for this question.

Excellent  
good session  
Slow

**Good**

No

programic concepts

*[Signature]*  
Co-ordinators

*[Signature]*  
HOD - CSE