

CERTIFICATION COURSE
ON
CRYPTO CURRENCY AND BLOCK CHAIN
APPLICATIONS
2021-22 (SEM-II)



ADITYA COLLEGE OF ENGINEERING

Approved by AICTE, Permanently Affiliated to JNTUK & Accredited by NAAC
Recognized by UGC under Sections 2(f) and 12(B) of UGC Act, 1956

Aditya Nagar, ADB Road, Surampalem - 533 437, E.G.Dist., Ph: 99631 76662.

Date:21.02.2022

From

The Head of the Department,
Department of Computer Science and Engineering,
Aditya College of Engineering.

To

The Principal,
Aditya College of Engineering,
Surampalem.

Respected Sir,

Sub: - Request for permission to conduct Certificate Course on "Crypto Currency and Block Chain Applications" for AY 2021-22- Reg.

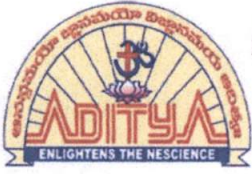
We would like to conduct a certificate course on "Crypto Currency and Block Chain Applications" for 3rd and 4th year B. Tech. (CSE) students from 7.03.2022 to 12.03.2022 and requesting you grant the permission to conduct the said course.

Please find the brochure, outlining the main theme on which the certification program will be centered is attached.

Thanking you,

Yours sincerely,

HOD CSE



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Aditya Nagar, ADB Road, Surampalem - 533 437, E.G.Dist., Ph: 99631 76662.

Date: 23.02.2022

From
The Principal,
Aditya College of Engineering,
Surampalem.

To
Dr.R. Rambabu Reddy,
Professor of CSE,
Rajamahendri Institute of Science and Technology
Rajahmundry-533 101

Sir,

Sub: One-week certification course on "Crypto Currency and Block Chain
Applications" resource person – Req - Reg.

The Department of Computer Science and Engineering of our college is planning to conduct a certificate course on Crypto Currency and Block Chain Applications for 3rd & 4th year of B.Tech (CSE) students during 7th - 12th March 2022. In this regard, I request you to be as a resource person for the course. The course content is here with enclosed.

Please accept one request and acknowledge the same.

Yours faithfully


PRINCIPAL

Re:One-weekcertificationcourseon"CryptoCurrencyandBlockChain Applications"resourceperson-Req-Reg.

Rambabu<rambabureddy.rampatruni@gmail.com>

Wed2/23/2022 10:30 AM

To:PRINCIPAL ACOE<principal@acoe.edu.in>

Dearsir,

Thankyoufortheinvitation.IamgladtovisityourcampusanddelivertheCertificateCourseon"CryptoCurrencyandBlock ChainApplications".

Youcanreachthroughmymobile:9966382777,Regar

ds,

Rambabu

On Wed, Feb 23,2022at9:59AMPRINCIPAL ACOE<principal@acoe.edu.in>wrote:

To

Dr.R.RambabuReddy,

ProfessorofCSE,

RajamahendrilInstituteofScienceandTechnologyRaja

hmundry-533101

Sir,

Sub:One-

weekcertificationcourseon"CryptoCurrencyandBlockChainApplications"resourceperson-Req-Reg.

-

The Department of Computer Science and Engineering of our college isplanningtoconductacertificatecourseonCryptoCurrencyandBlockChainApplicationsfor3rd& 4th year of B.Tech (CSE) students during 7th- 12thMarch 2022. In this regard, Irequestyoutobeasaresourcepersonforthecourse.Thecoursecontentisherewith enclosed.

Pleaseacceptonerequestandacknowledgethesame.

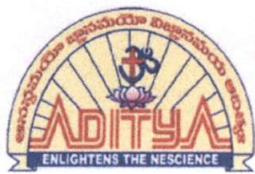
Thankyou,

From

principal@acoe.edu.in,

AdityaCollegeofEngineering,Sur

ampalem,



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Certificate Course on "Crypto Currency and Block Chain Applications"

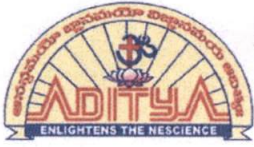
CS-21502

Resource Person Profile-1

Name	: Dr. R.Rambabu Reddy
Designation	: Professor
Organization	: Rajamahendri Insitute of Science and Technology
Department	: Computer Science and Engineering
Email-Id	: rambabureddyrampatruni@gmail.com
Phone No	: 9440218157
Qualification	: Ph.D
Experience	: 18 Years
Specialization	: Computer Science and Engineering
Address	: Rajahmundry, East Godavari District, AP

Resource Person Profile-2

Name	: Mr. N. Praveen
Designation	: Assistant Professor
Organization	: Aditya College of Engineering
Department	: Computer Science and Engineering
Email-Id	: praveen_cse@acoe.edu.in
Phone No	: 9866764594
Qualification	: M.Tech (Ph.D)
Experience	: 9 years
Specialization	: Computer Science and Engineering
Address	: Aditya College of Engineering East Godavari District, AP



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CIRCULAR

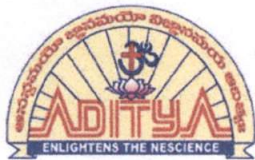
Date: 02.03.2022

All the students of 3rd and 4th year B.Tech (CSE) are hereby informed that certificate course on "Crypto Currency and Block Chain Applications" will be organized in our campus. Classes are scheduled from 07th March 2022 to 12th March 2022 and interested students are required to register with the Mr. T.Veeraju, Associate Professor in CSE on or before 05.03.2022.

Classes Timings: 9:30am to 12:30pm & 1:30pm to 4:30pm

Complete details and course structure is displayed in department notice board.


HOD-CSE



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Department of Computer Science and Engineering

Academic Year 2021-22

Course Content

Certificate Course on "Crypto Currency and Block Chain Applications"

CS-21502

COURSE OBJECTIVES:

- Block Chain is an emerging technology platform for developing decentralized applications and data storage.
- To provide conceptual understanding of how block chain technology can be used to innovate and improve business applications.
- Over and beyond its role as the technology underlying the cryptocurrencies.
- To perform a transaction in bitcoin test nets.

Module-1: Introduction: Blockchain technology and Bitcoin: Bitcoin eco system - peer - to - peer permission less network - addresses in bitcoin. Transactions - syntax, structures, and validation, Blocks - structure, Merkle tree and validation, blockchain, Mining - target/difficulty, hash rates, consensus, forking (12 Hours)

Module-2: Cryptographic Applications in Blockchain: Wallets - hash functions - public key cryptography - elliptic curve cryptography - digital signatures (6 Hours)

Module-3: Smart Contracts – Ethereum: Smart Contracts- Objectives and principles for the design of Blockchain systems, Understanding Ethereum, Ethereum Basic, writing smart contracts using Ethereum (6 Hours)

Module-4: Enterprise Applications of Blockchain: Issues and Needs of Blockchain, Benefits and Challenges of Blockchain Implementation - Smart Health Care, Transportation, Smart City and Supply Chain Management (12 Hours)

COURSE OUTCOMES:

- Explain the fundamental characteristics of blockchain using bitcoin.
- Demonstrate the application of hashing and public key cryptography in protecting the blockchain.
- Explain the elements of trust in Blockchain: validation, verification, and consensus.

Reference Books:

1. Blockchain and the Supply Chain: Concepts, Strategies and Practical Applications- Kogan Page.
2. Blockchain Principles and Applications in IoT - Chapman & Hall

Course Curriculum prepared by: Mr. N. Praveen

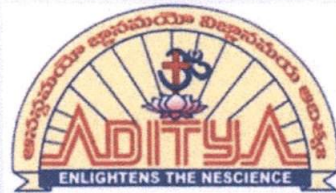

COORDINATOR


HOD-CSE


PRINCIPAL

One Week Certification Course on Crypto Currency and Block Chain Applications

07th March 2022 to 12th March 2022

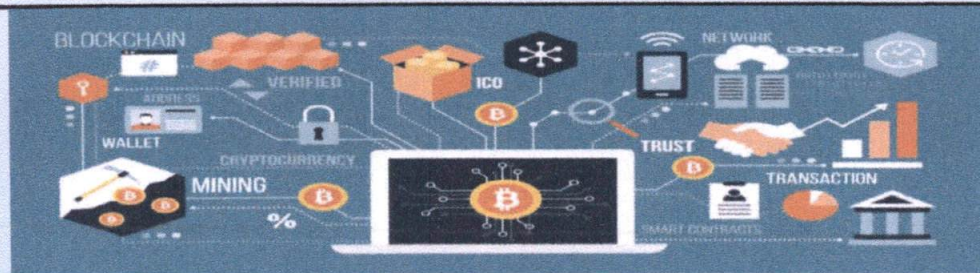


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Department of Computer Science & Engineering



ABOUT THIS COURSE

The objective of this course is to facilitate students to think that blockchain and bitcoins are synonymous. But they are not. Even if bitcoin has a bad reputation, the regulators and industry leaders cannot overlook the usefulness of blockchain. The adaption of blockchain in the organizations and across various is not a matter of 'if'-it is a matter of 'when'. Blockchain is still in its early phase.

About ADITYA COLLEGE OF ENGINEERING

Aditya College of Engineering (ACOE) was established in the year 2008. It is a top ranked institution in engineering education in terms of academics & placements. The college offers UG programs in EEE, ECE, ME, CSE, CIVIL, CSE-AI/ML & CSE-IOT and PG programs in MBA & M.Tech (PID, VLSI, ES, and CSE). ACOE is situated in a serene, scenic, Wi-Fi enabled campus in Surampalem (between Kakinada and Rajahmundry in East Godavari District of Andhra Pradesh)

Course Objectives

- Block Chain Technology is an emerging technology platform for developing decentralized applications and data storage.
- To provide conceptual understanding of how block chain technology can be used to innovate and improve business applications.
- To go over and beyond its role as the technology underlying the cryptocurrencies.
- To perform a transaction in bitcoin test nets.

Who Should Attend: III & IV Year B.Tech Students of CSE, ACOE.

Duration: 36 hours

Venue: Seminar Hall, Ramanujan Bhavan, Ground Floor,
Aditya College of Engineering, Surampalem.

Date	Hours	Course outline and Schedule Timings: 9:30 AM to 4:30 PM
07.03.2022	5:15 Min.	Introduction to Block Chain, It's Applications.
08.03.2022	5:15 Min.	Basic crypto graphy primitives
09.03.2022	5:15 Min.	The evolution of cryptocurrency
10.03.2022	5:15 Min.	Bitcoin mining and beyond
11.03.2022	5:15 Min.	Limitations of Pow: Forking and security
12.03.2022	5:15 Min.	Conduct Exam and Issue Certificate.

For More Details Contact:

Mr. T. Veeraju,
Assoc. Professor, CSE Dept.
ACOE. Surampalem

Convener:

Mr. G.S.N. Murthy,
Professor & HOD, CSE Dept.
ACOE. Surampalem





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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Crypto Currency and Block Chain Applications (07th To 12th March 2022)

Schedule

S.No	Date	Time	Schedule
1	07-03-2022	9:30 AM to 11:30AM (2 Hrs)	INTRODUCTION:Blockchain technology and Bitcoin
		11:30AM to 11:45AM (15 Min.)	Tea Break
		11:45AM to 01:15PM (1:30 Min.)	What is Block Chain
		01:15PM to 02:15PM (1 Hr)	Lunch Break
		02:15PM to 04:00 PM (1:45 Hrs.)	Bitcoin eco system - peer - to - peer permission less network - addresses in bitcoin
2	08-03-2022	9:30 AM to 11:30AM (2 Hrs)	Transactions - syntax, structures, and validation
		11:30AM to 11:45AM (15 Min.)	Tea Break
		11:45AM to 01:15PM (1:30 Min.)	Merkle tree and validation, Mining - target/difficulty
		01:15PM to 02:15PM (1 Hr)	Lunch Break
		02:15PM to 04:00 PM (1:45 Hrs.)	hash rates, consensus, forking,
3	09-03-2022	9:30 AM to 11:30AM (2 Hrs)	Cryptographic Applications in Blockchain
		11:30AM to 11:45AM (15 Min.)	Tea Break
		11:45AM to 01:15PM (1:30 Min.)	elliptic curve cryptography - digital signatures
		01:15PM to 02:15PM (1 Hr)	Smart Contracts- Objectives
		02:15PM to 04:00 PM (1:45 Hrs.)	principles for the design of Blockchain systems

4	10-03-2022	9:30 AM to 11:30AM (2 Hrs)	Understanding Ethereum
		11:30AM to 11:45AM (15 Min.)	Tea Break
		11:45AM to 01:15PM (1:30 Min.)	Ethereum Basic, Writing smart contracts using Ethereum
		01:15PM to 02:15PM (1 Hr)	Lunch Break
		02:15PM to 04:00 PM (1:45 Hrs.)	Issues and Needs of Blockchain
5	11-03-2022	9:30 AM to 11:30AM (2 Hrs)	Benefits and Challenges of Blockchain Implementation
		11:30AM to 11:45AM (15 Min.)	Tea Break
		11:45AM to 01:15PM (1:30 Min.)	Smart Health Care
		01:15PM to 02:15PM (1 Hr)	Transportation
		02:15PM to 04:00 PM (1:45 Hrs.)	Smart City
6	12-03-2022	9:30 AM to 11:30AM (2 Hrs)	Supply Chain Management
		11:30AM to 11:45AM (15 Min.)	Tea Break
		11:45AM to 01:15PM (1:30 Min.)	Conclusion
		01:15PM to 02:15PM (1 Hr)	Lunch Break
		02:15PM to 04:00 PM (1:45 Hrs.)	Conduct exam and issue Certificate


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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING Enrollment of students for certificate course on "Crypto Currency and Block Chain Applications"

S.NO	ROLL NO	NAME	YEAR
1	18MH1A0501	AAKE VINAYKUMARRAJA	IV CSE
2	18MH1A0502	ABBURI VENKATA SAI	IV CSE
3	18MH1A0503	AKULA BALAJI	IV CSE
4	18MH1A0504	AKULA SIVA VEERA VENKATA	IV CSE
5	18MH1A0505	ALLAPARTHI SHUBHAKAR	IV CSE
6	18MH1A0506	ANKANA THANUSHA JOYSHEE	IV CSE
7	18MH1A0507	ARUBARIKI SRUJANA	IV CSE
8	18MH1A0508	AYUSH OSWAL	IV CSE
9	18MH1A0509	BAHADURSHA POSU LAKSHMI SAROJA	IV CSE
10	18MH1A0510	BALIVADA GANESH BHARGAV	IV CSE
11	18MH1A0511	BATCHU SAI MANASA	IV CSE
12	18MH1A0512	BITRA NOOKARAJU	IV CSE
13	18MH1A0514	BUDDIGA RAJESH	IV CSE
14	18MH1A0515	CHALLAGOLLA SAI SANDEEP	IV CSE
15	18MH1A0516	CHENNAMSETTI VENKATA SWAMY	IV CSE
16	18MH1A0517	CHIKKALA VENKATA KATUMA SWAMY	IV CSE
17	18MH1A0518	CHILAKAMARTHI V CHIRANJEEVI SRI	IV CSE
18	18MH1A0519	CHINTHA JYOTHI SATHISH	IV CSE
19	18MH1A0520	CHODISETTI MAHALAKSHMI	IV CSE
20	18MH1A0521	DAMODARA VENKATA SAI	IV CSE
21	18MH1A0522	DHULIPUDI SOWMYA SREE	IV CSE
22	18MH1A0523	DUPPALAPUDI UDAY KIRAN	IV CSE
23	18MH1A0524	GADDE SATYA PRAKASH	IV CSE
24	18MH1A0525	GARAPATI SRIVARSHINI	IV CSE
25	18MH1A0526	GIDUTURI BALA NAGESWRAO	IV CSE
26	18MH1A0527	GOLI PRASANTHI	IV CSE
27	18MH1A0528	GOLUGURI DEVI	IV CSE
28	18MH1A0529	GUMMAPU GAGAN KUMAR	IV CSE
29	18MH1A0531	KANDUKURI SUDHEERA	IV CSE
30	18MH1A0532	KANITHI GOWRI DEVI	IV CSE
31	18MH1A0533	KORUVADA SUREKHA	IV CSE
32	18MH1A0534	KOSIREDDI NARAYANA MURTHY	IV CSE
33	18MH1A0535	KOTHAPALLI SATYA SAI SUBHASH	IV CSE
34	18MH1A0536	MAJJI TEVITT SAI	IV CSE
35	18MH1A0537	MUMMIDI DIVYA BHANU	IV CSE
36	18MH1A0538	NAGIREDDY LEELA PRASAD	IV CSE
37	18MH1A0539	NURUKURTHI PURNA SUNITHA	IV CSE
38	18MH1A0540	PENJERLA NAGAMANI SOWBHAGYA	IV CSE

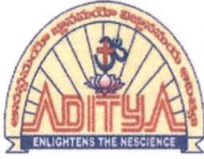
39	18MH1A0541	PEPAKAYALA GYANA SAI JAGADEESH	IV CSE
40	18MH1A0542	POLISSETTY RAJENDRA	IV CSE
41	18MH1A0543	PUPPALA S V KRISHNA SHANMUKH	IV CSE
42	18MH1A0544	RANDHI DURGA PRANATHI	IV CSE
43	18MH1A0545	REDDYBOYINA KAVITHA SRI	IV CSE
44	18MH1A0546	SAI BHARGAVI SANGISETTI	IV CSE
45	18MH1A0556	ADABALA KANAKA SESA AMRUTHA	IV CSE
46	18MH1A0557	AKKABATHULA SATYA VIJAYA PRAKASH K	IV CSE
47	18MH1A0558	ALLA RAJASEKHAR REDDY	IV CSE
48	18MH1A0559	ANDIBOINA MANIBABU	IV CSE
49	18MH1A0560	ANUSURI SATYA LEELA KUMAR BABU	IV CSE
50	18MH1A0561	BAGULA V S S SAI LAKSHMI CHAKRAVARTI	IV CSE
51	18MH1A0562	BALUSU HARI RAMARAO	IV CSE
52	18MH1A0563	BATTINI DHEERAJ	IV CSE
53	18MH1A0565	CHITIKENA VENKATA SRIRAM	IV CSE
54	18MH1A0566	CHOPPERLA MAHA LAKSHMI	IV CSE
55	18MH1A0567	CHUNCHU VASU	IV CSE
56	18MH1A0568	DHARMIREDDY RAVI CHANDRA	IV CSE
57	18MH1A0569	DRAKSHARAPU SRAVANI	IV CSE
58	18MH1A0570	DWARAPUREDDI NANDINI	IV CSE
59	18MH1A0572	GUTTULA VENKATA SRI SAI PAVAN KIRAN	IV CSE
60	18MH1A0573	HASSAN ABDUALRHMAN SHAIBA MAJZUB	IV CSE
61	18MH1A0574	ILLA ANUSHA	IV CSE
62	18MH1A0575	INTI SHINY	IV CSE
63	18MH1A0576	KAKARAPALLI JAGADEESH CHANDRA	IV CSE
64	18MH1A0577	KILARI LAVANYA	IV CSE
65	18MH1A0578	KODURI PAVAN KALYAN	IV CSE
66	18MH1A0579	KODURU JAGADESH	IV CSE
67	18MH1A0580	KOOTHU BHANU VINAY MANOHAR REDD	IV CSE
68	18MH1A0581	KOPPISETTI SRINU	IV CSE
69	18MH1A0582	KOVVURI MANIKANTA SATYA SUBBA REDD	IV CSE
70	18MH1A0583	LOUDU SRINU	IV CSE
71	18MH1A0584	MANGINA UMA VEERA VENKATA PRASAD	IV CSE
72	18MH1A0585	MOGALI ARUNA	IV CSE
73	18MH1A0586	MOYILLA RAHUL	IV CSE
74	18MH1A0587	NAGULAPATI HARINI	IV CSE
75	18MH1A0589	NEELAM SUNDAR	IV CSE
76	18MH1A0590	ORUGANTI MALLIKA	IV CSE
77	18MH1A0591	PAPPU VENKATA LAKSHMI SAI PRANATHI	IV CSE
78	18MH1A0592	PAPPULA SATISH	IV CSE
79	18MH1A0593	PATANA SRINIVAS	IV CSE
80	18MH1A0595	PERABATHULA BHAVANA SAI	IV CSE
81	18MH1A0596	SADE NAVALATHA	IV CSE
82	18MH1A0597	SATTI TALUPULA NAGAVENKATA KRISHN	IV CSE
83	18MH1A0599	TADALA VEERA SAI SANTOSH PRUDHVI	IV CSE
84	18MH1A05A0	TADI CHANDRA SEKHAR MAHIPAL REDDY	IV CSE
85	18MH1A05A1	TETCHI YAVO AROLE CONSTANTIN	IV CSE
86	18MH1A05A2	THOTA VENKAT	IV CSE
87	18MH1A05A4	VALLEPU VEERA PRASAD	IV CSE
88	18MH1A05A5	VANGALA LIKHITHA	IV CSE
89	18MH1A05A6	VASAMSETTI SAMPATH	IV CSE

90	18MH1A05A8	VATTIKUTI BHASKAR	IV CSE
91	18MH1A05A9	YANDRA HEMA KIRAN	IV CSE
92	19MH5A0501	AMARADHI PHANEENDRA	IV CSE
93	19MH5A0502	BADE VINAYKUMARREDDY	IV CSE
94	19MH5A0503	BOCCHULA GANDHI	IV CSE
95	19MH5A0504	DAGADAPPULA RUTHWIK PARATPARA	IV CSE
96	19MH5A0505	GOGADA SRINU	IV CSE
97	19MH5A0506	KARRI VEERA SATYA MADHAVEE LATHA	IV CSE
98	19MH5A0507	KOLAPARTHI SAI MEENAKSHI	IV CSE
99	19MH5A0508	KOTAKONDA CHANDRASEKHAR	IV CSE
100	19MH5A0509	MURTHINEEDI PRAVEEN BULLI	IV CSE
101	19MH5A0510	NAMA RAMA SAI KIRAN	IV CSE
102	19MH5A0511	PALAPARTHI NOOKARAJU	IV CSE
103	19MH5A0512	VASAMSETTY NAGA VIJAY KALYAN	IV CSE
104	19MH5A0513	GORRELA VINAYA SANDHYA	IV CSE
105	19MH1A0501	ADABALA GANGADHAR	III CSE
106	19MH1A0502	ADARI PHILIPS AMAR NAIDU	III CSE
107	19MH1A0503	ALLU SRI SAI VARSHA	III CSE
108	19MH1A0504	APPIKONDA TARUN RAMACHANDRA TEJA	III CSE
109	19MH1A0505	BHAMIDIPATI V V S SRVAN	III CSE
110	19MH1A0506	BHEMUNI TANDAVA KRISHNA	III CSE
111	19MH1A0507	BURRI NAGA DURGAMBIKA	III CSE
112	19MH1A0509	CHEDULURI KANAKA MAHA LAKSHMI	III CSE
113	19MH1A0510	CHILAMKURI BALA KOTI REDDY	III CSE
114	19MH1A0511	CHITTIDI GANESH	III CSE
115	19MH1A0512	DADI SRVAN KUMAR	III CSE
116	19MH1A0513	DANGETI AKASH KUMAR	III CSE
117	19MH1A0514	GAJJALA HARIKA	III CSE
118	19MH1A0515	GANDHAM ALEKHYA	III CSE
119	19MH1A0516	GANDROTHU SAI NATH SANJAY	III CSE
120	19MH1A0517	GEDDAMURI NAVEEN	III CSE
121	19MH1A0518	GODITHI SAI SRUTHI	III CSE
122	19MH1A0519	GUTHULA SOMANADH SAI	III CSE
123	19MH1A0520	INTURI YESWANTH SAI	III CSE
124	19MH1A0521	KAMBHAM AKHIL	III CSE
125	19MH1A0522	KARAPA GAYATHRI	III CSE
126	19MH1A0523	KARRI PHANINDRA BHAVANI PRASAD	III CSE
127	19MH1A0524	KOMARA LAKSHMI HARIKA	III CSE
128	19MH1A0525	KONDAPALLI SUSEELA RANI	III CSE
129	19MH1A0526	KOPPARAPU AJJESH BASHA	III CSE
130	19MH1A0527	KOPPISETTI VIJAYA LAKSHMI	III CSE
131	19MH1A0528	KOTIKALAPUDI SAI RENUKA	III CSE
132	19MH1A0529	KSHATRIYA RAKESH SAI KUMAR SINGH	III CSE
133	19MH1A0531	LOKAREDDY NAVEEN	III CSE
134	19MH1A0532	MAGANTI PAVAN ADITYA	III CSE
135	19MH1A0533	MAMIDALA MEGHANA	III CSE
136	19MH1A0535	MUDILI VAMSI PRIYANKA	III CSE
137	19MH1A0536	NAGULAPALLI SREE CHAKRA SWATHI	III CSE
138	19MH1A0537	NALLAMILLI SOMA SHAKER	III CSE
139	19MH1A0538	NEELAM SIVA DURGA PRASAD	III CSE
140	19MH1A0540	PALAPARTHI VENNELA	III CSE
141	19MH1A0541	PEKETY MANIDEEP	III CSE

142	19MH1A0542	POTNURI S S ANUDEEP	III CSE
143	19MH1A0543	PUNYAMANTHULA SRINIVAS	III CSE
144	19MH1A0544	ROKKAM JYOSHNAVI	III CSE
145	19MH1A0545	ROWTU UMA PALLAVI SUBHASH	III CSE
146	19MH1A0546	SAI KEERTHANA MADDILA	III CSE
147	19MH1A0547	SAMUDRALA JYOTHI SWAROOP	III CSE
148	19MH1A0548	SATYAVARAPU SAI GANGARAJU	III CSE
149	19MH1A0549	SHAIK BASHEER MADEN	III CSE
150	19MH1A0550	SIGIREDDY RAVINDRA	III CSE
151	19MH1A0551	SOLLETTI KOWSALYA	III CSE
152	19MH1A0552	TANIKELLA SRI PRAVALLIKA	III CSE
153	19MH1A0553	TETALA RAMA REDDY	III CSE
154	19MH1A0554	THANARI RAMESH	III CSE
155	19MH1A0555	VADAKATTU VENKATA AKHILESH	III CSE
156	19MH1A0556	VISSAMSETTI GEETHA KAVYA SRI	III CSE
157	19MH1A0557	VUPPU RAMA LOVA ALEKHYA	III CSE
158	19MH1A0558	YERRA HARIKA	III CSE
159	20MH5A0501	ANUSURI SURYACHAKRA NAVEEN	III CSE
160	20MH5A0502	KONDETI SIVAJI	III CSE
161	20MH5A0503	KUNDETI SIVA UMASANKAR	III CSE
162	20MH5A0504	KURITI VIVEKANANDA	III CSE
163	20MH5A0505	MANDAPALLI SANTHOSHI	III CSE
164	20MH5A0506	NAKKA ROHITH KUMAR	III CSE
165	20MH5A0507	NEKKALA SIVASAI	III CSE
166	20MH5A0508	PEMMANABOYINA VIJAYAKUMARI	III CSE


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ADITYA COLLEGE OF ENGINEERING

Approved by AICTE, Permanently Affiliated to JNTUK & Accredited by NAAC
Recognized by UGC under Sections 2(f) and 12(B) of UGC Act, 1956

Aditya Nagar, ADB Road, Surampalem - 533 437, E.G.Dist., Ph: 99631 76662.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Attendance for certificate course on "Crypto Currency and Block Chain Applications"

S.NO	ROLL NO	NAME	YEAR	Signatures					
				Day-1 (6 Hrs)	Day-2 (6 Hrs)	Day-3 (6 Hrs)	Day-4 (6 Hrs)	Day-5 (6 Hrs)	Day-6 (6 Hrs)
				07-03-2022	08-03-2022	09-03-2022	10-03-2022	11-03-2022	12-03-2022
1	18MHIA0501	AAKE VINAYKUMARRAJA	IV CSE	Vinay	Vinay	Vinay	Vinay	Vinay	Vinay
2	18MHIA0502	ABBURI VENKATA SAI	IV CSE	Sai	Sai	Sai	Sai	Sai	Sai
3	18MHIA0503	AKULA BALAJI	IV CSE	Balaji	Balaji	Balaji	Balaji	Balaji	Balaji
4	18MHIA0504	AKULA SIVA VEERA VENKATA	IV CSE	Siva	Siva	Siva	Siva	Siva	Siva
5	18MHIA0505	ALLAPARTHI SHUBHAKAR	IV CSE	Ala	Ala	Ala	Ala	Ala	Ala
6	18MHIA0506	ANKANA THANUSHA JOYSHEE	IV CSE	Thanusha	Thanusha	Thanusha	Thanusha	Thanusha	Thanusha
7	18MHIA0507	ARUBARIKI SRUJANA	IV CSE	Srujan	Srujan	Srujan	Srujan	Srujan	Srujan
8	18MHIA0508	AYUSH OSWAL	IV CSE	Ayush	Ayush	Ayush	Ayush	Ayush	Ayush
9	18MHIA0509	BAHADURSHA POSU LAKSHMI SAROJA LASYA	IV CSE	Lasya	Lasya	Lasya	Lasya	Lasya	Lasya
10	18MHIA0510	BALIVADA GANESH BHARGAV	IV CSE	Bhargav	Bhargav	Bhargav	Bhargav	Bhargav	Bhargav
11	18MHIA0511	BATCHU SAI MANASA	IV CSE	Manasa	Manasa	Manasa	Manasa	Manasa	Manasa
12	18MHIA0512	BITRA NOOKARAJU	IV CSE	Raju	Raju	Raju	Raju	Raju	Raju
13	18MHIA0514	BUDDIGA RAJESH	IV CSE	Rajesh	Rajesh	Rajesh	Rajesh	Rajesh	Rajesh
14	18MHIA0515	CHALLAGOLLA SAI SANDEEP	IV CSE	Sai	Sai	Sai	Sai	Sai	Sai
15	18MHIA0516	CHENNAMSETTI VENKATA SWAMY	IV CSE	Swamy	Swamy	Swamy	Swamy	Swamy	Swamy
16	18MHIA0517	CHIKKALA VENKATA KATUMA SWAMY	IV CSE	Venkat	Venkat	Venkat	Venkat	Venkat	Venkat
17	18MHIA0518	CHILAKAMARTHI V CHIRANJEEVI SRI	IV CSE	Si	Si	Si	Si	Si	Si
18	18MHIA0519	CHINTHA JYOTHI SATHISH	IV CSE	Jyothi	Jyothi	Jyothi	Jyothi	Jyothi	Jyothi
19	18MHIA0520	CHODISETTI MAHALAKSHMI	IV CSE	Lakshmi	Lakshmi	Lakshmi	Lakshmi	Lakshmi	Lakshmi
20	18MHIA0521	DAMODARA VENKATA SAI	IV CSE	Sai	Sai	Sai	Sai	Sai	Sai
21	18MHIA0522	DHULIPUDI SOWMYA SREE	IV CSE	Sree	Sree	Sree	Sree	Sree	Sree
22	18MHIA0523	DUPPALAPUDI UDAY KIRAN	IV CSE	Kiran	Kiran	Kiran	Kiran	Kiran	Kiran
23	18MHIA0524	GADDE SATYA PRAKASH	IV CSE	Satya	Satya	Satya	Satya	Satya	Satya
24	18MHIA0525	GARAPATI SRIVARSHINI	IV CSE	Varshi	Varshi	Varshi	Varshi	Varshi	Varshi
25	18MHIA0526	GIDUTURI BALA NAGESWARAO	IV CSE	Nagesw	Nagesw	Nagesw	Nagesw	Nagesw	Nagesw
26	18MHIA0527	GOLI PRASANTHI	IV CSE	Prasanth	Prasanth	Prasanth	Prasanth	Prasanth	Prasanth

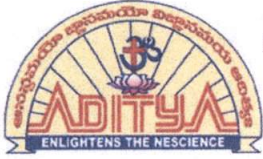
27	18MH1A0528	GOLUGURI DEVI	IV CSE	G. Devis	G. Devis	G. Devis	G. Devis	G. Devis	G. Devis
28	18MH1A0529	GUMMAPU GAGAN KUMAR	IV CSE	Gagan	Gagan	Gagan	Gagan	Gagan	Gagan
29	18MH1A0531	KANDUKURI SUDHEERA	IV CSE	K. Sudheera	K. Sudheera	K. Sudheera	K. Sudheera	K. Sudheera	K. Sudheera
30	18MH1A0532	KANITHI GOWRI DEVI	IV CSE	Devi	Devi	Devi	Devi	Devi	Devi
31	18MH1A0533	KORUVADA SUREKHA	IV CSE	S. Surekha	S. Surekha	S. Surekha	S. Surekha	S. Surekha	S. Surekha
32	18MH1A0534	KOSIREDDI NARAYANA MURTHY	IV CSE	N. Narayana	N. Narayana	N. Narayana	N. Narayana	N. Narayana	N. Narayana
33	18MH1A0535	KOTHAPALLI SATYA SAI SUBHASH	IV CSE	S. Satya Sai	S. Satya Sai	S. Satya Sai	S. Satya Sai	S. Satya Sai	S. Satya Sai
34	18MH1A0536	MAJJI TEVITT SAI	IV CSE	M. Tevitt Sai	M. Tevitt Sai	M. Tevitt Sai	M. Tevitt Sai	M. Tevitt Sai	M. Tevitt Sai
35	18MH1A0537	MUMMIDI DIVYA BHANU	IV CSE	Bhanu	Bhanu	Bhanu	Bhanu	Bhanu	Bhanu
36	18MH1A0538	NAGIREDDY LEELA PRASAD	IV CSE	L. Prasad	L. Prasad	L. Prasad	L. Prasad	L. Prasad	L. Prasad
37	18MH1A0539	NURUKURTHI PURNA SUNITHA	IV CSE	P. Sunitha	P. Sunitha	P. Sunitha	P. Sunitha	P. Sunitha	P. Sunitha
38	18MH1A0540	PENJERLA NAGAMANI SOWBHAGYA LAKSHMI	IV CSE	L. Lakshmi	L. Lakshmi	L. Lakshmi	L. Lakshmi	L. Lakshmi	L. Lakshmi
39	18MH1A0541	PEPAKAYALA GYANA SAI JAGADEESH	IV CSE	J. Jagadeesh	J. Jagadeesh	J. Jagadeesh	J. Jagadeesh	J. Jagadeesh	J. Jagadeesh
40	18MH1A0542	POLISSETTY RAJENDRA	IV CSE	P. Rajendra	P. Rajendra	P. Rajendra	P. Rajendra	P. Rajendra	P. Rajendra
41	18MH1A0543	PUPPALA S V KRISHNA SHANMUKH	IV CSE	S. Shanmukh	S. Shanmukh	S. Shanmukh	S. Shanmukh	S. Shanmukh	S. Shanmukh
42	18MH1A0544	RANDHI DURGA PRANATHI	IV CSE	P. Pranathi	P. Pranathi	P. Pranathi	P. Pranathi	P. Pranathi	P. Pranathi
43	18MH1A0545	REDDYBOYINA KAVITHA SRI	IV CSE	R. Sri	R. Sri	R. Sri	R. Sri	R. Sri	R. Sri
44	18MH1A0546	SAI BHARGAVI SANGISETTI	IV CSE	S. Bhargavi	S. Bhargavi	S. Bhargavi	S. Bhargavi	S. Bhargavi	S. Bhargavi
45	18MH1A0556	ADABALA KANAKA SETHA AMRUTHA	IV CSE	A. Amrutha	A. Amrutha	A. Amrutha	A. Amrutha	A. Amrutha	A. Amrutha
46	18MH1A0557	AKKABATHULA SATYA VIJAYA PRAKASH	IV CSE	S. Vijaya	S. Vijaya	S. Vijaya	S. Vijaya	S. Vijaya	S. Vijaya
47	18MH1A0558	ALLA RAJASEKHAR REDDY	IV CSE	R. Rajasekhara	R. Rajasekhara	R. Rajasekhara	R. Rajasekhara	R. Rajasekhara	R. Rajasekhara
48	18MH1A0559	ANDIBOINA MANIBABU	IV CSE	M. Mani	M. Mani	M. Mani	M. Mani	M. Mani	M. Mani
49	18MH1A0560	ANUSURI SATYA LEELA KUMAR BABU	IV CSE	K. Kumar	K. Kumar	K. Kumar	K. Kumar	K. Kumar	K. Kumar
50	18MH1A0561	BAGULA V S S SAI LAKSHMI	IV CSE	L. Lakshmi	L. Lakshmi	L. Lakshmi	L. Lakshmi	L. Lakshmi	L. Lakshmi
51	18MH1A0562	BALUSU HARI RAMARAO	IV CSE	H. Hari	H. Hari	H. Hari	H. Hari	H. Hari	H. Hari
52	18MH1A0563	BATTINI DHEERAJ	IV CSE	B. Dheeraj	B. Dheeraj	B. Dheeraj	B. Dheeraj	B. Dheeraj	B. Dheeraj
53	18MH1A0565	CHITIKENA VENKATA SRIRAM	IV CSE	S. Sriram	S. Sriram	S. Sriram	S. Sriram	S. Sriram	S. Sriram
54	18MH1A0566	CHOPPERLA MAHA LAKSHMI	IV CSE	M. Maha	M. Maha	M. Maha	M. Maha	M. Maha	M. Maha
55	18MH1A0567	CHUNCHU VASU	IV CSE	C. Vasu	C. Vasu	C. Vasu	C. Vasu	C. Vasu	C. Vasu
56	18MH1A0568	DHARMIREDDY RAVI CHANDRA	IV CSE	R. Ravi	R. Ravi	R. Ravi	R. Ravi	R. Ravi	R. Ravi
57	18MH1A0569	DRAKSHARAPU SRAVANI	IV CSE	S. Sravani	S. Sravani	S. Sravani	S. Sravani	S. Sravani	S. Sravani
58	18MH1A0570	DWARAPUREDDI NANDINI	IV CSE	N. Nandini	N. Nandini	N. Nandini	N. Nandini	N. Nandini	N. Nandini
59	18MH1A0572	GUTTULA VENKATA SRI SAI PAVAN KIRAN	IV CSE	K. Kiran	K. Kiran	K. Kiran	K. Kiran	K. Kiran	K. Kiran
60	18MH1A0573	HASSAN ABDUALRHMAN SHAIBA	IV CSE	S. Shaiba	S. Shaiba	S. Shaiba	S. Shaiba	S. Shaiba	S. Shaiba
61	18MH1A0574	ILLA ANUSHA	IV CSE	I. Anusha	I. Anusha	I. Anusha	I. Anusha	I. Anusha	I. Anusha
62	18MH1A0575	INTI SHINY	IV CSE	I. Shiny	I. Shiny	I. Shiny	I. Shiny	I. Shiny	I. Shiny

99	19MH5A0508	KOTAKONDA CHANDRASEKHAR	IV CSE	K. Sekha	K. Sekha	K. Sekha	K. Sekha	K. Sekha	K. Sekha
100	19MH5A0509	MURTHINEEDI PRAVEEN BULLI CHOWDARI	IV CSE	M. Praveen	M. Praveen	M. Praveen	M. Praveen	M. Praveen	M. Praveen
101	19MH5A0510	NAMA RAMA SAI KIRAN	IV CSE	N. Sai	N. Sai	N. Sai	N. Sai	N. Sai	N. Sai
102	19MH5A0511	PALAPARTHI NOOKARAJU	IV CSE	P. Raju	P. Raju	P. Raju	P. Raju	P. Raju	P. Raju
103	19MH5A0512	VASAMSETTY NAGA VIJAY KALYAN	IV CSE	Naga	Naga	Naga	Naga	Naga	Naga
104	19MH5A0513	GORRELA VINAYA SANDHYA	IV CSE	Vinaya	Vinaya	Vinaya	Vinaya	Vinaya	Vinaya
105	19MH1A0501	ADABALA GANGADHAR	III CSE	G. Anand	G. Anand	G. Anand	G. Anand	G. Anand	G. Anand
106	19MH1A0502	ADARI PHILIPS AMAR NAIDU	III CSE	A. Amar	A. Amar	A. Amar	A. Amar	A. Amar	A. Amar
107	19MH1A0503	ALLU SRI SAI VARSHA	III CSE	A. Sri	A. Sri	A. Sri	A. Sri	A. Sri	A. Sri
108	19MH1A0504	APPIKONDA TARUN RAMACHANDRA TEJA BHAMIDIPATI V V S	III CSE	A. Teja	A. Teja	A. Teja	A. Teja	A. Teja	A. Teja
109	19MH1A0505	SRAMAN	III CSE	B. Sravan	B. Sravan	B. Sravan	B. Sravan	B. Sravan	B. Sravan
110	19MH1A0506	BHEMUNI TANDAVA KRISHNA	III CSE	B. Krishna	B. Krishna	B. Krishna	B. Krishna	B. Krishna	B. Krishna
111	19MH1A0507	BURRI NAGA DURGAMBIKA	III CSE	B. N. Durga	B. N. Durga	B. N. Durga	B. N. Durga	B. N. Durga	B. N. Durga
112	19MH1A0509	CHEDULURI KANAKA MAHA LAKSHMI	III CSE	Ch. Lakshmi	Ch. Lakshmi	Ch. Lakshmi	Ch. Lakshmi	Ch. Lakshmi	Ch. Lakshmi
113	19MH1A0510	CHILAMKURI BALAKOTI REDDY	III CSE	C. Balakoti	C. Balakoti	C. Balakoti	C. Balakoti	C. Balakoti	C. Balakoti
114	19MH1A0511	CHITTIDI GANESH	III CSE	C. Ganesh	C. Ganesh	C. Ganesh	C. Ganesh	C. Ganesh	C. Ganesh
115	19MH1A0512	DADI SRAMAN KUMAR	III CSE	D. Sravan	D. Sravan	D. Sravan	D. Sravan	D. Sravan	D. Sravan
116	19MH1A0513	DANGETI AKASH KUMAR	III CSE	K. Kumar	K. Kumar	K. Kumar	K. Kumar	K. Kumar	K. Kumar
117	19MH1A0514	GAJJALA HARIKA	III CSE	G. Harika	G. Harika	G. Harika	G. Harika	G. Harika	G. Harika
118	19MH1A0515	GANDHAM ALEKHIA	III CSE	G. Alekha	G. Alekha	G. Alekha	G. Alekha	G. Alekha	G. Alekha
119	19MH1A0516	GANDROTHU SAI NATH SANJAY	III CSE	S. Sanjay	S. Sanjay	S. Sanjay	S. Sanjay	S. Sanjay	S. Sanjay
120	19MH1A0517	GEDDAMURI NAVEEN	III CSE	N. Naveen	N. Naveen	N. Naveen	N. Naveen	N. Naveen	N. Naveen
121	19MH1A0518	GODITHI SAI SRUTHI	III CSE	G. Sai	G. Sai	G. Sai	G. Sai	G. Sai	G. Sai
122	19MH1A0519	GUTHULA SOMANADH SAI	III CSE	S. Sai	S. Sai	S. Sai	S. Sai	S. Sai	S. Sai
123	19MH1A0520	INTURI YESWANTH SAI	III CSE	I. Sai	I. Sai	I. Sai	I. Sai	I. Sai	I. Sai
124	19MH1A0521	KAMBHAM AKHIL	III CSE	A. Akhil	A. Akhil	A. Akhil	A. Akhil	A. Akhil	A. Akhil
125	19MH1A0522	KARAPA GAYATHRI	III CSE	G. Gayathri	G. Gayathri	G. Gayathri	G. Gayathri	G. Gayathri	G. Gayathri
126	19MH1A0523	KARRI PHANINDRA BHAVANI PRASAD	III CSE	K. Bhavani	K. Bhavani	K. Bhavani	K. Bhavani	K. Bhavani	K. Bhavani
127	19MH1A0524	KOMARA LAKSHMI HARIKA	III CSE	K. Harika	K. Harika	K. Harika	K. Harika	K. Harika	K. Harika
128	19MH1A0525	KONDAPALLI SUSEELA RANI	III CSE	R. Rani	R. Rani	R. Rani	R. Rani	R. Rani	R. Rani
129	19MH1A0526	KOPPARAPU AJJESH BASHA	III CSE	K. Basha	K. Basha	K. Basha	K. Basha	K. Basha	K. Basha
130	19MH1A0527	KOPPISETTI VIJAYA LAKSHMI	III CSE	V. Vijaya	V. Vijaya	V. Vijaya	V. Vijaya	V. Vijaya	V. Vijaya
131	19MH1A0528	KOTIKALAPUDI SAI RENUKA	III CSE	K. Sai	K. Sai	K. Sai	K. Sai	K. Sai	K. Sai
132	19MH1A0529	KSHATRIYA RAKESH SAI KUMAR SINGH	III CSE	R. Rakesh	R. Rakesh	R. Rakesh	R. Rakesh	R. Rakesh	R. Rakesh
133	19MH1A0531	LOKAREDDY NAVEEN	III CSE	N. Naveen	N. Naveen	N. Naveen	N. Naveen	N. Naveen	N. Naveen
134	19MH1A0532	MAGANTI PAVAN	III CSE	P. Pavan	P. Pavan	P. Pavan	P. Pavan	P. Pavan	P. Pavan
135	19MH1A0533	MAMIDALA MEGHANA	III CSE	M. Meghana	M. Meghana	M. Meghana	M. Meghana	M. Meghana	M. Meghana
136	19MH1A0535	MUDILI VAMSI	III CSE	M. Vamsi	M. Vamsi	M. Vamsi	M. Vamsi	M. Vamsi	M. Vamsi
137	19MH1A0536	NAGULAPALLI SREE CHAKRA SWATHI	III CSE	S. Swathi	S. Swathi	S. Swathi	S. Swathi	S. Swathi	S. Swathi
138	19MH1A0537	NALLAMILLI SOMA SHAKER	III CSE	N. Soma	N. Soma	N. Soma	N. Soma	N. Soma	N. Soma

139	19MH1A0538	NEELAM SIVA DURGA PRASAD	III CSE	N.S.Durga	N.S.Durga	N.S.Durga	N.S.Durga	N.S.Durga	N.S.Durga
140	19MH1A0540	PALAPARTHI VENNELA	III CSE	Vennela	Vennela	Vennela	Vennela	Vennela	Vennela
141	19MH1A0541	PEKETY MANIDEEP	III CSE	P.Manideep	P.Manideep	P.Manideep	P.Manideep	P.Manideep	P.Manideep
142	19MH1A0542	POSINA DEEPAK NAGA VENKATA SAI GOPAL	III CSE	Gopal	Gopal	Gopal	Gopal	Gopal	Gopal
143	19MH1A0543	POTNURI S S ANUDEEP	III CSE	Anudeep	Anudeep	Anudeep	Anudeep	Anudeep	Anudeep
144	19MH1A0544	PUNYAMANTHULA SRINIVAS	III CSE	Srinu	Srinu	Srinu	Srinu	Srinu	Srinu
145	19MH1A0545	ROKKAM JYOSHNAVI	III CSE						
146	19MH1A0546	ROWTU UMA PALLAVI SUBHASH	III CSE	Uma	Uma	Uma	Uma	Uma	Uma
147	19MH1A0547	SAI KEERTHANA MADDILA	III CSE	Sai	Sai	Sai	Sai	Sai	Sai
148	19MH1A0548	SAMUDRALA JYOTHI SWAROOP	III CSE	Jyothi	Jyothi	Jyothi	Jyothi	Jyothi	Jyothi
149	19MH1A0549	SATYAVARAPU SAI GANGARAJU	III CSE	Raju	Raju	Raju	Raju	Raju	Raju
150	19MH1A0550	SHAIK BASHEER MADEN	III CSE	Maden	Maden	Maden	Maden	Maden	Maden
151	19MH1A0551	SIGIREDDY RAVINDRA	III CSE	S.Ravindra	S.Ravindra	S.Ravindra	S.Ravindra	S.Ravindra	S.Ravindra
152	19MH1A0552	SOLLETI KOWSALYA	III CSE						
153	19MH1A0554	TANIKELLA SRI PRAVALLIKA	III CSE	PRAVALI	PRAVALI	PRAVALI	PRAVALI	PRAVALI	PRAVALI
154	19MH1A0555	TETALA RAMA REDDY	III CSE	Reddy	Reddy	Reddy	Reddy	Reddy	Reddy
155	19MH1A0556	THANARI RAMESH	III CSE	Ramesh	Ramesh	Ramesh	Ramesh	Ramesh	Ramesh
156	19MH1A0557	VADAKATTU VENKATA AKHILESH	III CSE	Akhil	Akhil	Akhil	Akhil	Akhil	Akhil
157	19MH1A0558	VISSAMSETTI GEETHA KAVYA SRI	III CSE	Geetha	Geetha	Geetha	Geetha	Geetha	Geetha
158	19MH1A0559	VUPPU RAMA LOVA ALEKHYA	III CSE	Lova	Lova	Lova	Lova	Lova	Lova
159	19MH1A0560	YERRA HARIKA	III CSE	Harika	Harika	Harika	Harika	Harika	Harika
160	20MH5A0501	ANUSURI SURYACHAKRA NAVEEN	III CSE	A.S.Naveen	A.S.Naveen	A.S.Naveen	A.S.Naveen	A.S.Naveen	A.S.Naveen
161	20MH5A0502	KONDETI SIVAJI	III CSE	Sivaji	Sivaji	Sivaji	Sivaji	Sivaji	Sivaji
162	20MH5A0503	KUNDETI SIVA UMASANKAR	III CSE	Siva	Siva	Siva	Siva	Siva	Siva
163	20MH5A0504	KURITI VIVEKANANDA	III CSE	Vivek	Vivek	Vivek	Vivek	Vivek	Vivek
164	20MH5A0505	MANDAPALLI SANTHOSHI	III CSE	M.Santhoshi	M.Santhoshi	M.Santhoshi	M.Santhoshi	M.Santhoshi	M.Santhoshi
165	20MH5A0506	NAKKA ROHITH KUMAR	III CSE	Kumara	Kumara	Kumara	Kumara	Kumara	Kumara
166	20MH5A0507	NEKKALA SIVASAI	III CSE	Sai	Sai	Sai	Sai	Sai	Sai
167	20MH5A0508	PEMMANABOYINA VIJAYAKUMARI	III CSE	P.V.Kumari	P.V.Kumari	P.V.Kumari	P.V.Kumari	P.V.Kumari	P.V.Kumari

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HOD-CSE



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Recognized by UGC under Sections 2(f) and 12(B) of UGC Act, 1956

Aditya Nagar, ADB Road, Surampalem - 533 437, E.G.Dist., Ph: 99631 76662.

Department of Computer Science and Engineering

Academic Year: 2021-22

Certificate Course on "Crypto Currency and Block Chain Applications" Test Paper

Answer All MCQ's, No Negative Marks.

Duration: 1 hour

30X1=30 Marks

1. Which one is true for an ideal decentralized solution for business management?

- a. A centralized authority should decide the overall trust
- b. Everyone should trust and cooperate with each other
- c. No one should trust and cooperate with each other
- d. No one should trust each other, however they should cooperate

2. Which of the statements below is/are true for successful run of decentralized distributed systems?

- a. Network of different players
- b. Players must trust each other
- c. If they cooperate, the society gets benefitted
- d. None of the above

3. Where are the transactions logs recorded in a blockchain?

- a. Centralized editable database
- b. Editable log file
- c. On centralized immutable database
- d. On append only distributed immutable ledger

4. What are the properties of cryptographic hash function?

- a. It should be deterministic
- b. It should be collision free
- c. Ability to hide the input message
- d. Puzzle friendly

5. For a 512 bit hash function, the attacker needs to compute how many hash operations in order to find two matching outputs in the initial round?

- a. 2^{512}
- b. 2^{128}
- c. 2^{256}
- d. 2^{60}

6. Which of the following is a correct statement about a cryptographic hash function?

- a. given the same message the hash function would not return the same hash
- b. it is not very difficult to generate the original message from the hash
- c. a small change in the message, impacts the hash value
- d. one can easily find two different messages with same hash

7. What are the security features of a hash function?

- a. Non-deterministic
- b. Puzzle-friendly
- c. Collision-resistance
- d. Preimage resistance

8. SHA-512 hashing algorithm used by Bitcoin blockchain to determine the hash of a block.

This above statement is True or False.

- a. True
- b. False

9. For hash computation in SHA-512, what is the size of the block that the message is divided into?

- a. 1024
- b. 512
- c. 256
- d. 1248

10. What is the message for hash value of

"8abe09bf65aefdb8e84bd8564efb765179cc01ee3f45809e47c8c9a02f72ff83" if SHA-256 is used? (case sensitive)

- a. Consensus
- b. Swayam
- c. SWAYAM
- d. Consensus

11. Digitally signing transactions by sender in Blockchain does not ensure to solve repudiation/ verifiability problems. Is the above statement True or False?

- a. True
- b. False

12. Which of the following is used to point a block in blockchain:

- a. Hash Pointer
- b. User ID
- c. Transaction ID
- d. Timestamp

13. Suppose you have 6 data points -- 1 to 6. The post-order traversal of the Merkle Tree is given by (here 8 means hash of 8, 43 means the combined hash of 4 and 3, and so on):

- a. {12345656, 1234, 5656, 12, 34, 56, 56, 1, 2, 3, 4, 5, 6}
- b. {1, 12, 2, 3, 4, 34, 1234, 5, 6, 56, 123456}
- c. {1, 2, 12, 3, 4, 34, 1234, 5, 6, 56, 78, 5678, 12345678}
- d. {1, 2, 12, 3, 4, 34, 1234, 5, 6, 56, 56, 5656, 12345656}

14. Which of the following is true for using a digital signature in blockchain?

- a. To check the validity of the source of a transactions
- b. None of the above.
- c. It will ensures that no one can deny of their own transaction
- d. It supports user authentication

15. Which are the main Consensus Algorithms?

- a. Proof of Work
- b. Proof of Wager
- c. Proof of Stake
- d. Proof of Mining

16. Why is consensus hard in asynchronous system?

- I. No notion of global time
- II. faults in network
- III. nodes may crash/ faulty nodes

- a. II, III
- b. I, II

- c. I, III
- d. I, II, II

17. Liveness property ensures the output should be produced within a finite time limit?

- a. False
 - b. True
18. Paxos consensus support(s) which of the below properties
- a. Liveliness
 - b. Safety
 - c. Both
 - d. None of the above
19. Which is/are true for Raft consensus?
- a. Crash Fault Tolerant
 - b. Byzantine Fault Tolerant
 - c. Both
 - d. None of the above
20. Bitcoin mining is performed by ____.
- a. Miner nodes
 - b. Internal Nodes
 - c. External Nodes
 - d. Orphan Nodes
21. DLT can be used to maintain financial information only.
- a. False
 - b. True
22. Which of the following is/are true for basic PoW consensus?
- a. Miner needs to propose a block
 - b. The miner needs to solve a puzzle to obtain target block hash
 - c. The puzzle solution is added as proof for leadership
23. Bitcoin Scripting Language:
- a. Not Turing Complete
 - b. Supports Cryptography
 - c. Stack Based
 - d. Supports infinite time/memory
24. Permissioned blockchain is regarded as more secure than open blockchain as the participants are known beforehand and pre-authenticated.
- a. True
 - b. False
25. What is nonce?
- a. The transaction id number

- b. A miners ASIC chip array
 - c. The generator point used in elliptic curve cryptography
 - d. The number miners run through to generate a correct hash
26. Which one of the following opcodes is needed to remove the top stack item.
- a. OP_POP
 - b. OP_DEQUE
 - c. OP_DROP
 - d. OP_DELETE
27. Which of these fields is present in a Bitcoin block summary?
- a. Difficulty
 - b. Gas Used
 - c. Gas Limit
 - d. Private Key of the Sender
28. If the four-byte difficulty bits in hex form are 0x1b0404cb, and the target value is calculated using $X * 2^Y$, what is the values for X and Y respectively,
- a. $X = 0x0404cb$, $Y = 0x1b$
 - b. $X = 0x0404cb$, $Y = 0x18$
 - c. $X = 0x0404cb$, $Y = 0xc0$
 - d. $X = 0x1b0404$, $Y = 0xcb$
29. In bitcoin block header, the block identifier is calculated
- a. Using SHA256 on the current block header
 - b. Using Double SHA256 on the previous block hash
 - c. Using Double SHA256 on the Difficulty bits
 - d. Using Double SHA256 on the current block header
30. Bitcoin Scripting Language:
- a. Not Turing Complete
 - b. Supports Cryptography
 - c. Stack Based
 - d. Supports infinite time/memory

Answer Key:

1.d	2.a	3.d	4.All	5.c	6.c	7.d	8.b	9.a	10.a	11.b	12.a	13.d	14.a	15.a
16.d	17.b	18.b	19.a	20.a	21.a	22.all	23.a	24.a	25.d	26.c	27.a	28.c	29.d	30.d



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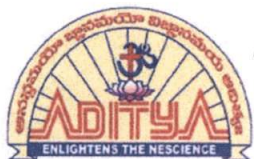
From 07th to 12th March 2022, During Academic Year: 2021-22

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SCALE: 1-STRONGLY AGREE; 2-AGREE; 3-NEUTRAL; 4-DISAGREE; 5-STRONGLY DISAGREE ;	1	2	3	4	5	Comments
1. The Pre-Course administration was appropriate and informative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. The Course was scheduled at a suitable time	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3. The Course facilities and location were appropriate and satisfactory	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. The Course Schedule was presented in a clear and organized manner.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5. The presenter responded to questions in an informative, appropriate and satisfactory manner.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
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7. Overall, the session was informative and valuable.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
8. In what ways could this Course have been improved to better suit your needs?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
9. Would you recommend this session to a Friend?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					
10. Please suggest any other Courses that would be useful to Your Academics and Carrier	very good					
11. Other comments						

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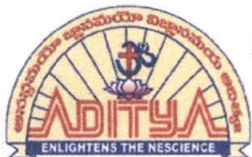
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1 2 3 4 5 Comments

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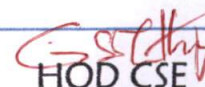
Yes ☒ No ☐

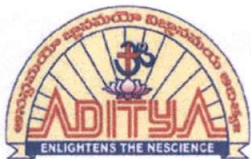
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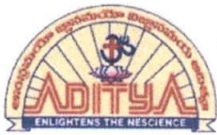
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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Certificate Course on "Crypto Currency and Block Chain Applications" Students Marks Report

S.NO	ROLL NO	NAME	Marks (max. 30)	Results
1	18MH1A0501	AAKE VINAYKUMARRAJA	20	Pass
2	18MH1A0502	ABBURI VENKATA SAI	25	Pass
3	18MH1A0503	AKULA BALAJI	30	Pass
4	18MH1A0504	AKULA SIVA VEERA VENKATA SATYANARAYANA	24	Pass
5	18MH1A0505	ALLAPARTHI SHUBHAKAR	20	Pass
6	18MH1A0506	ANKANA THANUSHA JOYSHEE	20	Pass
7	18MH1A0507	ARUBARIKI SRUJANA	20	Pass
8	18MH1A0508	AYUSH OSWAL	22	Pass
9	18MH1A0509	BAHADURSHA POSU LAKSHMI SAROJA LASYA	29	Pass
10	18MH1A0510	BALIVADA GANESH BHARGAV	20	Pass
11	18MH1A0511	BATCHU SAI MANASA	20	Pass
12	18MH1A0512	BITRA NOOKARAJU	24	Pass
13	18MH1A0514	BUDDIGA RAJESH	20	Pass
14	18MH1A0515	CHALLAGOLLA SAI SANDEEP	20	Pass
15	18MH1A0516	CHENNAMSETTI VENKATA SWAMY NAIDU	20	Pass
16	18MH1A0517	CHIKKALA VENKATA KATUMA SWAMY	23	Pass
17	18MH1A0518	CHILAKAMARTHI V CHIRANJEEVI SRI SAHITHI	20	Pass
18	18MH1A0519	CHINTHA JYOTHI SATHISH	5	Fail
19	18MH1A0520	CHODISETTI MAHALAKSHMI	26	Pass
20	18MH1A0521	DAMODARA VENKATA SAI	20	Pass
21	18MH1A0522	DHULIPUDI SOWMYA SREE	20	Pass
22	18MH1A0523	DUPPALAPUDI UDAY KIRAN	20	Pass
23	18MH1A0524	GADDE SATYA PRAKASH	20	Pass
24	18MH1A0525	GARAPATI SRIVARSHINI	20	Pass
25	18MH1A0526	GIDUTURI BALA NAGESWRAO	22	Pass
26	18MH1A0527	GOLI PRASANTHI	30	Pass
27	18MH1A0528	GOLUGURI DEVI	20	Pass
28	18MH1A0529	GUMMAPU GAGAN KUMAR	25	Pass
29	18MH1A0531	KANDUKURI SUDHEERA	20	Pass
30	18MH1A0532	KANITHI GOWRI DEVI	29	Pass
31	18MH1A0533	KORUVADA SUREKHA	20	Pass
32	18MH1A0534	KOSIREDDI NARAYANA MURTHY	30	Pass
33	18MH1A0535	KOTHAPALLI SATYA SAI SUBHASH	20	Pass
34	18MH1A0536	MAJJI TEVITT SAI	20	Pass

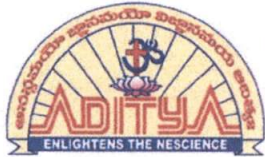
35	18MH1A0537	MUMMIDI DIVYA BHANU	20	Pass
36	18MH1A0538	NAGIREDDY LEELA PRASAD	20	Pass
37	18MH1A0539	NURUKURTHI PURNA SUNITHA	7	Fail
38	18MH1A0540	PENJERLA NAGAMANI SOWBHAGYA LAKSHMI SRAVYA	20	Pass
39	18MH1A0541	PEPAKAYALA GYANA SAI JAGADEESH	20	Pass
40	18MH1A0542	POLISETTY RAJENDRA	20	Pass
41	18MH1A0543	PUPPALA S V KRISHNA SHANMUKH	20	Pass
42	18MH1A0544	RANDHI DURGA PRANATHI	26	Pass
43	18MH1A0545	REDDYBOYINA KAVITHA SRI	20	Pass
44	18MH1A0546	SAI BHARGAVI SANGISETTI	20	Pass
45	18MH1A0556	ADABALA KANAKA SESA AMRUTHA	20	Pass
46	18MH1A0557	AKKABATHULA SATYA VIJAYA PRAKASH KUMAR	20	Pass
47	18MH1A0558	ALLA RAJASEKHAR REDDY	9	Fail
48	18MH1A0559	ANDIBOINA MANIBABU	20	Pass
49	18MH1A0560	ANUSURI SATYA LEELA KUMAR BABU	20	Pass
50	18MH1A0561	BAGULA V S S SAI LAKSHMI CHAKRAVARTHI	20	Pass
51	18MH1A0562	BALUSU HARI RAMARAO	20	Pass
52	18MH1A0563	BATTINI DHEERAJ	20	Pass
53	18MH1A0565	CHITIKENA VENKATA SRIRAM	24	Pass
54	18MH1A0566	CHOPPERLA MAHA LAKSHMI	24	Pass
55	18MH1A0567	CHUNCHU VASU	24	Pass
56	18MH1A0568	DHARMIREDDY RAVI CHANDRA	24	Pass
57	18MH1A0569	DRAKSHARAPU SRAVANI	28	Pass
58	18MH1A0570	DWARAPUREDDI NANDINI	20	Pass
59	18MH1A0572	GUTTULA VENKATA SRI SAI PAVAN KIRAN	24	Pass
60	18MH1A0573	HASSAN ABDUALRHMAN SHAIBA MAJZUB	20	Pass
61	18MH1A0574	ILLA ANUSHA	20	Pass
62	18MH1A0575	INTI SHINY	20	Pass
63	18MH1A0576	KAKARAPALLI JAGADEESH CHANDRA	20	Pass
64	18MH1A0577	KILARI LAVANYA	20	Pass
65	18MH1A0578	KODURI PAVAN KALYAN	20	Pass
66	18MH1A0579	KODURU JAGADESH	20	Pass
67	18MH1A0580	KOOTHU BHANU VINAY MANOHAR REDDY	20	Pass
68	18MH1A0581	KOPPISETTI SRINU	27	Pass
69	18MH1A0582	KOVVURI MANIKANTA SATYA SUBBA REDDY	20	Pass
70	18MH1A0583	LOUDU SRINU	20	Pass
71	18MH1A0584	MANGINA UMA VEERA VENKATA PRASAD	20	Pass
72	18MH1A0585	MOGALI ARUNA	27	Pass
73	18MH1A0586	MOYILLA RAHUL	27	Pass
74	18MH1A0587	NAGULAPATI HARINI	27	Pass
75	18MH1A0589	NEELAM SUNDAR	20	Pass
76	18MH1A0590	ORUGANTI MALLIKA	20	Pass
77	18MH1A0591	PAPPU VENKATA LAKSHMI SAI PRANATHI	20	Pass
78	18MH1A0592	PAPPULA SATISH	20	Pass
79	18MH1A0593	PATANA SRINIVAS	20	Pass
80	18MH1A0595	PERABATHULA BHAVANA SAI	20	Pass

81	18MH1A0596	SADE NAVALATHA	20	Pass
82	18MH1A0597	SATTI TALUPULA NAGAVENKATA KRISHNA REDDY	29	Pass
83	18MH1A0599	TADALA VEERA SAI SANTOSH PRUDHVI	29	Pass
84	18MH1A05A0	TADI CHANDRA SEKHAR MAHIPAL REDDY	29	Pass
85	18MH1A05A1	TETCHI YAVO AROLE CONSTANTIN	29	Pass
86	18MH1A05A2	THOTA VENKAT	29	Pass
87	18MH1A05A4	VALLEPU VEERA PRASAD	29	Pass
88	18MH1A05A5	VANGALA LIKHITHA	29	Pass
89	18MH1A05A6	VASAMSETTI SAMPATH	29	Pass
90	18MH1A05A8	VATTIKUTI BHASKAR	29	Pass
91	18MH1A05A9	YANDRA HEMA KIRAN	29	Pass
92	19MH5A0501	AMARADHI PHANEENDRA	30	Pass
93	19MH5A0502	BADE VINAYKUMARREDDY	29	Pass
94	19MH5A0503	BOCCHULA GANDHI	29	Pass
95	19MH5A0504	DAGADAPPULA RUTHWIK PARATPARA RAO	29	Pass
96	19MH5A0505	GOGADA SRINU	29	Pass
97	19MH5A0506	KARRI VEERA SATYA MADHAVEE LATHA	29	Pass
98	19MH5A0507	KOLAPARTHI SAI MEENAKSHI	29	Pass
99	19MH5A0508	KOTAKONDA CHANDRASEKHAR	29	Pass
100	19MH5A0509	MURTHINEEDI PRAVEEN BULLI CHOWDARI	29	Pass
101	19MH5A0510	NAMA RAMA SAI KIRAN	29	Pass
102	19MH5A0511	PALAPARTHI NOOKARAJU	28	Pass
103	19MH5A0512	VASAMSETTY NAGA VIJAY KALYAN	29	Pass
104	19MH5A0513	GORRELA VINAYA SANDHYA	29	Pass
105	19MH1A0501	ADABALA GANGADHAR	29	Pass
106	19MH1A0502	ADARI PHILIPS AMAR NAIDU	28	Pass
107	19MH1A0503	ALLU SRI SAI VARSHA	29	Pass
108	19MH1A0504	APPIKONDA TARUN RAMACHANDRA TEJA	29	Pass
109	19MH1A0505	BHAMIDIPATI V V S SRAVAN	29	Pass
110	19MH1A0506	BHEMUNI TANDAVA KRISHNA	29	Pass
111	19MH1A0507	BURRI NAGA DURGAMBIKA	29	Pass
112	19MH1A0509	CHEDULURI KANAKA MAHA LAKSHMI	29	Pass
113	19MH1A0510	CHILAMKURI BALA KOTI REDDY	29	Pass
114	19MH1A0511	CHITTIDI GANESH	29	Pass
115	19MH1A0512	DADI SRAVAN KUMAR	29	Pass
116	19MH1A0513	DANGETI AKASH KUMAR	29	Pass
117	19MH1A0514	GAJJALA HARIKA	29	Pass
118	19MH1A0515	GANDHAM ALEKHYA	29	Pass
119	19MH1A0516	GANDROTHU SAI NATH SANJAY	29	Pass
120	19MH1A0517	GEDDAMURI NAVEEN	29	Pass
121	19MH1A0518	GODITHI SAI SRUTHI	29	Pass
122	19MH1A0519	GUTHULA SOMANADH SAI	29	Pass
123	19MH1A0520	INTURI YESWANTH SAI	29	Pass
124	19MH1A0521	KAMBHAM AKHIL	7	Fail
125	19MH1A0522	KARAPA GAYATHRI	29	Pass
126	19MH1A0523	KARRI PHANINDRA BHAVANI PRASAD	29	Pass
127	19MH1A0524	KOMARA LAKSHMI HARIKA	29	Pass

128	19MH1A0525	KONDAPALLI SUSEELA RANI	29	Pass
129	19MH1A0526	KOPPARAPU AJJESH BASHA	29	Pass
130	19MH1A0527	KOPPISETTI VIJAYA LAKSHMI	29	Pass
131	19MH1A0528	KOTIKALAPUDI SAI RENUKA	29	Pass
132	19MH1A0529	KSHATRIYA RAKESH SAI KUMAR SINGH	29	Pass
133	19MH1A0531	LOKAREDDY NAVEEN	29	Pass
134	19MH1A0532	MAGANTI PAVAN ADITYA	29	Pass
135	19MH1A0533	MAMIDALA MEGHANA	29	Pass
136	19MH1A0535	MUDILI VAMSI PRIYANKA	29	Pass
137	19MH1A0536	NAGULAPALLI SREE CHAKRA SWATHI	29	Pass
138	19MH1A0537	NALLAMILLI SOMA SHAKER	29	Pass
139	19MH1A0538	NEELAM SIVA DURGA PRASAD	29	Pass
140	19MH1A0540	PALAPARTHI VENNELA	28	Pass
141	19MH1A0541	PEKETY MANIDEEP	29	Pass
142	19MH1A0542	POSINA DEEPAK NAGA VENKATA SAI GOPAL	29	Pass
143	19MH1A0543	POTNURI S S ANUDEEP	24	Pass
144	19MH1A0544	PUNYAMANTHULA SRINIVAS	29	Pass
145	19MH1A0545	ROKKAM JYOSHNAVI	29	Pass
146	19MH1A0546	ROWTU UMA PALLAVI SUBHASH	29	Pass
147	19MH1A0547	SAI KEERTHANA MADDILA	29	Pass
148	19MH1A0548	SAMUDRALA JYOTHI SWAROOP	29	Pass
149	19MH1A0549	SATYAVARAPU SAI GANGARAJU	29	Pass
150	19MH1A0550	SHAIK BASHEER MADEN	29	Pass
151	19MH1A0551	SIGIREDDY RAVINDRA	29	Pass
152	19MH1A0552	SOLLETI KOWSALYA	29	Pass
153	19MH1A0554	TANIKELLA SRI PRAVALLIKA	29	Pass
154	19MH1A0555	TETALA RAMA REDDY	29	Pass
155	19MH1A0556	THANARI RAMESH	29	Pass
156	19MH1A0557	VADAKATTU VENKATA AKHILESH	29	Pass
157	19MH1A0558	VISSAMSETTI GEETHA KAVYA SRI	29	Pass
158	19MH1A0559	VUPPU RAMA LOVA ALEKHYA	29	Pass
159	19MH1A0560	YERRA HARIKA	29	Pass
160	20MH5A0501	ANUSURI SURYACHAKRA NAVEEN	27	Pass
161	20MH5A0502	KONDETI SIVAJI	29	Pass
162	20MH5A0503	KUNDETI SIVA UMASANKAR	29	Pass
163	20MH5A0504	KURITI VIVEKANANDA	10	Fail
164	20MH5A0505	MANDAPALLI SANTHOSHI	29	Pass
165	20MH5A0506	NAKKA ROHITH KUMAR	25	Pass
166	20MH5A0507	NEKKALA SIVASAI	29	Pass
167	20MH5A0508	PEMMANABOYINA VIJAYAKUMARI	26	Pass


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Department of Computer Science & Engineering

Academic Year: 2021-22

Certificate Course on "Crypto Currency and Block Chain Applications"- CS-21502 Test Questions

Student Roll No & Name : 19MH1A0503 & A. Sri Sai Varsha
Sem & Year : II-Sem & III Year

29
30

1. Which one is true for an ideal decentralized solution for business management?

- a. A centralized authority should decide the overall trust
- b. Everyone should trust and cooperate with each other
- c. No one should trust and cooperate with each other
- d. No one should trust each other, however they should cooperate ✓

2. Which of the statements below is/are true for successful run of decentralized distributed systems?

- a. Network of different players ✓
- b. Players must trust each other
- c. If they cooperate, the society gets benefitted
- d. None of the above

3. Where are the transactions logs recorded in a blockchain?

- a. Centralized editable database
- b. Editable log file
- c. On centralized immutable database
- d. On append only distributed immutable ledger ✓

4. What are the properties of cryptographic hash function?

- a. It should be deterministic ✓
- b. It should be collision free
- c. Ability to hide the input message
- d. Puzzle friendly

5. For a 512bit hash function, the attacker needs to compute how many hash operations in order to find two matching outputs in the initial round?

- a. 2^{512}
- b. 2^{128}
- ☒ c. 2^{256}
- d. 2^{60}

6. Which of the following is a correct statement about a cryptographic hash function?

- a. given the same message the hash function would not return the same hash
- b. it is not very difficult to generate the original message from the hash
- ☒ c. a small change in the message, impacts the hash value
- d. one can easily find two different messages with same hash

7. What are the security features of a hash function?

- a. Non-deterministic
- b. Puzzle-friendly
- c. Collision-resistance
- ☒ d. Preimage resistance

8. SHA-512 hashing algorithm used by Bitcoin blockchain to determine the hash of a block.

This above statement is True or False.

- a. True
- ☒ b. False

9. For hash computation in SHA-512, what is the size of the block that the message is divided into?

- ☒ a. 1024
- b. 512
- c. 256
- d. 1248

10. What is the message for hash value of "8abe09bf65aefdb8e84bd8564efb765179cc01ee3f45809e47c8c9a02f72ff83" if SHA-256

is used? (case sensitive)

- ☒ a. Consensus
- b. Swayam
- c. SWAYAM
- d. Consensus

11. Digitally signing transactions by sender in Blockchain does not ensure to solve repudiation/ verifiability problems. Is the above statement True or False?

a. True

☒ b. False ✓

12. Which of the following is used to point a block in blockchain:

☒ a. Hash Pointer ✓

b. User ID

c. Transaction ID

d. Timestamp

13. Suppose you have 6 data points -- 1 to 6. The post-order traversal of the Merkle Tree

is given by (here 8 means hash of 8, 43 means the combined hash of 4 and 3, and so on):

a. {12345656, 1234, 5656, 12, 34, 56, 56, 1, 2, 3, 4, 5, 6}

☒ b. {1, 12, 2, 3, 4, 34, 1234, 5, 6, 56, 123456} ✓

c. {1, 2, 12, 3, 4, 34, 1234, 5, 6, 56, 78, 5678, 12345678}

d. {1, 2, 12, 3, 4, 34, 1234, 5, 6, 56, 56, 5656, 12345656}

14. Which of the following is true for using a digital signature in blockchain?

a. To check the validity of the source of a transactions ✗

☒ b. None of the above.

c. It will ensures that no one can deny of their own transaction

d. It supports user authentication

15. Which are the main Consensus Algorithms?

☒ a. Proof of Work ✓

b. Proof of Wager

c. Proof of Stake

d. Proof of Mining

16. Why is consensus hard in asynchronous system?

I. No notion of global time

II. faults in network

III. nodes may crash/ faulty nodes

a. II, III

b. I, II

c. I, III

d. I, II, II ✓

17. Liveness property ensures the output should be produced within a finite time limit?

a. False

b. True ✓

18. Paxos consensus support(s) which of the below properties

a. Liveness

b. Safety ✓

c. Both

d. None of the above

19. Which is/are true for Raft consensus?

a. Crash Fault Tolerant ✓

b. Byzantine Fault Tolerant

c. Both

d. None of the above

20. Bitcoin mining is performed by ____.

a. Miner nodes ✓

b. Internal Nodes

c. External Nodes

d. Orphan Nodes

21. DLT can be used to maintain financial information only.

a. False ✓

b. True

22. Which of the following is/are true for basic PoW consensus? ✓

a. Miner needs to propose a block ✓

b. The miner needs to solve a puzzle to obtain target block hash

c. The puzzle solution is added as proof for leadership

23. Bitcoin Scripting Language:

a. Not Turing Complete ✓

b. Supports Cryptography

c. Stack Based

d. Supports infinite time/memory

24. Permissioned blockchain is regarded as more secure than open blockchain as the participants are known beforehand and pre-authenticated.

- ☒ a. True
- b. False

25. What is nonce?

- a. The transaction id number
- b. A miners ASIC chip array
- c. The generator point used in elliptic curve cryptography
- ☒ d. The number miners run through to generate a correct hash

26. Which one of the following opcodes is needed to remove the top stack item.

- a. OP_POP
- b. OP_DEQUEUE
- ☒ c. OP_DROP
- d. OP_DELETE

27. Which of these fields is present in a Bitcoin block summary?

- ☒ a. Difficulty
- b. Gas Used
- c. Gas Limit
- d. Private Key of the Sender

28. If the four-byte difficulty bits in hex form are 0x1b0404cb, and the target value is calculated using $X * 2^Y$, what is the values for X and Y respectively,

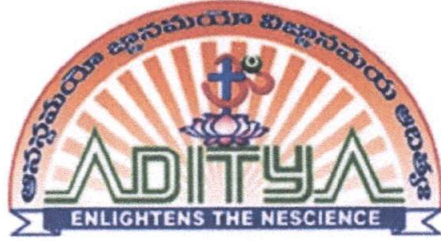
- a. $X = 0x0404cb$, $Y = 0x1b$
- b. $X = 0x0404cb$, $Y = 0x18$
- ☒ c. $X = 0x0404cb$, $Y = 0xc0$
- d. $X = 0x1b0404$, $Y = 0xcb$

29. In bitcoin block header, the block identifier is calculated

- a. Using SHA256 on the current block header
- b. Using Double SHA256 on the previous block hash
- c. Using Double SHA256 on the Difficulty bits
- ☒ d. Using Double SHA256 on the current block header

30. Bitcoin Scripting Language:

- a. Not Turing Complete
- b. Supports Cryptography
- c. Stack Based
- ☒ d. Supports infinite time/memory



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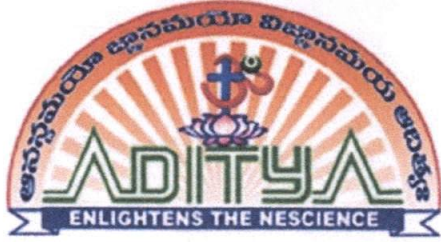
Certificate of completion

This is to certify that Mr./ Ms. THOTA VENKAT (18MH1A05A2).....of
.....COMPUTER SCIENCE AND ENGINEERING..... has completed the
certificate course on **Crypto Currency and Block Chain Applications** conducted from 07th
March to 12th March 2022, during Academic Year 2021-22 at Aditya College of Engineering,
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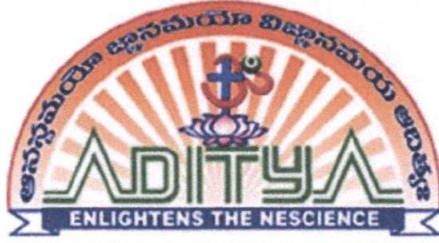
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This is to certify that Mr./ Ms. GANDHAM ALEKHYA (19MH1A0515) of
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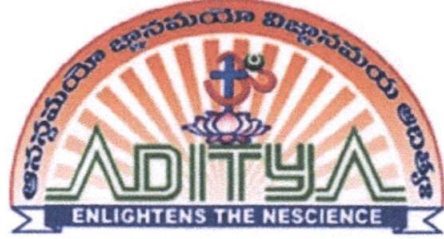
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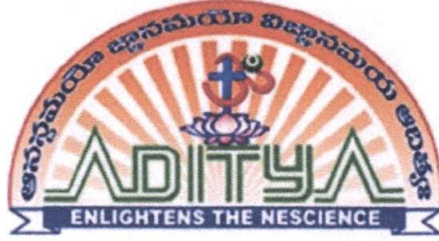
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This is to certify that Mr./ Ms. NAMA RAMA SAI KIRAN (19MH5A0510).....of
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This is to certify that Mr./ Ms. ALLU SRI SAI VARSHA (19MHIA0503).....of
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Department of Computer Science & Engineering

Academic year 2021-22

Event Report

Name of the Course : Crypto Currency and Block Chain Applications-
CS-21502

Name of the Instructors : Dr. R. Rambabu Reddy, Professor, Rajamahendri
Institute of Science and Technology, Rajahmundry,
Mr. N. Praveen, Assistant Professor in CSE, ACOE

Year/Branch : III & IV CSE

Duration of the Course : 07.03.2022 to 12.03.2022 (36 Hours)

SUMMARY OF THE EVENT:

The course was inaugurated on 07.03.2022 at 9:30.AM by the respectable Head of the Department, Dr. G.S.N. Murty and Principal, Dr. A. Ramesh. As per the course plan session was started and went on smoothly for the remaining days and training session was successfully completed.

ASSESSMENT MODE:

No of students enrolled: 167 Schema of Exam: Offline
No of students appeared: 167 No of Students Passed: 162
Date of Exam: 12.03.2022

OUTCOMES:

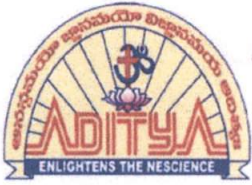
The Course was mainly intended for improving the skills of the CSE Students. The Program is successful in achieving the following outcomes.

- Explain the fundamental characteristics of block chain using bitcoin.
- Demonstrate the application of hashing and public key cryptography in protecting the block chain Technology.
- Explain the elements of trust in a Block chain Technology: validation, verification, and consensus.


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12.03.2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Dr. R. Rambabu Reddy, Prof. of CSE, RIET, for sharing his knowledge to 3rd and 4th year B.Tech (CSE) students of our campus as a part of certificate course "Crypto Currency and Block Chain Applications" organized by the department of Computer Science and Engineering from 07th -12th March 2022.

I appreciate Dr. R. Rambabu Reddy, having spent time in disseminating his knowledge in "Block Chain Technology" to the students and I wish him all the very best.


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