

Registration form

Name: _____

Designation: _____

Institution & Department: _____

Address: _____

Qualifications: _____

Experience in years: Teaching: _____

Research: _____

Age: _____ Sex: Male/Female

Telephone No. _____

Email: _____

Signature of the Candidate _____
Signature of the Head of the Institution _____

Note:

- ❖ Registration is free and includes participation certificate, lunch, high tea.
- ❖ Attendance is mandatory for all the sessions to get the participation certificate

Registration starts at 9:00 AM on 10th Dec, 2019

Coordinator

Dr Ch Rupa

Professor, Dept of CSE,
9848690640, rupamtech@gmail.com

Mr. V Sandeep

Assistant Professor, Dept of CSE,
9492963739, sandeepxemuri@gmail.com

Chief Patron

Sri N. Venkateswarlu, President,
Siddhartha Academy of General & Technical
Education (SAGTE)

Patrons

Sri P. Lakshmana Rao, Secretary, (SAGTE)
Sri M. Rajaiah, Vice-President, SAGTE and
Convener,
V R Siddhartha Engineering College

College Advisory Committee

Dr A V Ratna Prasad, Principal
Dr N N Sastry, Professor, Dean, R & D
Dr B Panduranga Rao, Dean, Student Affairs

Convenor

Dr. D. Rajeswara Rao
Professor & Head, Department of CSE
Mob: 814203255
Email: hodese@vrsiddhartha.ac.in

Resource Person:

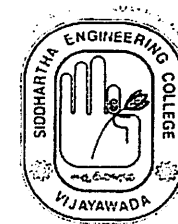
❖ **Mr. Raghu Raaman Thiyagarajan**
AGM – Tech Evangelist at EMURGO
Academy India

Venue @ CSE Department Seminar Hall

Two Day FDP

On

“BLOCKCHAIN ESSENTIALS”



10th & 11th December, 2019

Organized By

**Department of Computer
Science & Engineering**

**Velagapudi Ramakrishna
Siddhartha Engineering College**

(Autonomous)

Sponsored by Siddhartha Academy of General and
Technical Education (SAGTE)

Vijayawada-520007

Andhra Pradesh

www.vrsiddhartha.ac.in



Velagapudi Ramakrishna Siddhartha Engineering College

Autonomous, Affiliated to JNTU Kakinada
Kanuru, Vijayawada 520007

Department of Computer Science and Engineering

REPORT OF TWO DAY FACULTY DEVELOPMENT PROGRAM (FDP)

on

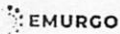
BLOCKCHAIN ESSENTIALS

From DEC 10th to Dec 11th 2019

IN COLLABORATION WITH **EMURGO GLOBAL**

The Department of Computer Science and Engineering, V R Siddhartha Engineering College has successfully organized a Two Day FDP on "**BLOCKCHAIN ESSENTIALS**" during DEC 10th to DEC 11th 2019 in collaboration with EMURGO GLOBAL.



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING 

Two Day Faculty Development Program on

"BLOCKCHAIN ESSENTIALS"

10th - 11th Dec, 2019



VELAGAPUDI RAMAKRISHNA SIDDHARTHA ENGINEERING COLLEGE

(Autonomous)
Vijayawada, A.P

Blockchain technology is an emerging technology suitable for decentralized and transactional sharing of data across a large network of untrusted participants. By using this technology one can maintain continuously-growing list of records called blocks and link them in a distributed manner (blockchain), potentially in such a way that these are secured against tampering. Blockchain is maintained as distributed database of records of transactions (distributed ledger) that are shared among participants. This technology uses cryptographic algorithms to validate the logged transactions and ensures that no record is duplicated and also permanent records are updated on each node of the network. This technology allows new type of distributed software architecture where components can establish trust by finding concurrence on their shared states.

Blockchain have good potential to transform the logging and management of transactions in different application areas. This technology is successfully used in Bitcoin virtual currency and it also has good potential in non-financial sectors such as Governance, healthcare, cyber security, automobiles, media, travel, hospitality, energy,

smart cities etc. Considering the growing importance of Blockchain Technology and its potential in different sectors, this one day workshop is planned and sessions would be delivered by experts from EMURGRO GLOBAL, who are considered as pioneers in this domain.

Day 1: 10:00 -1:30 (Morning session)

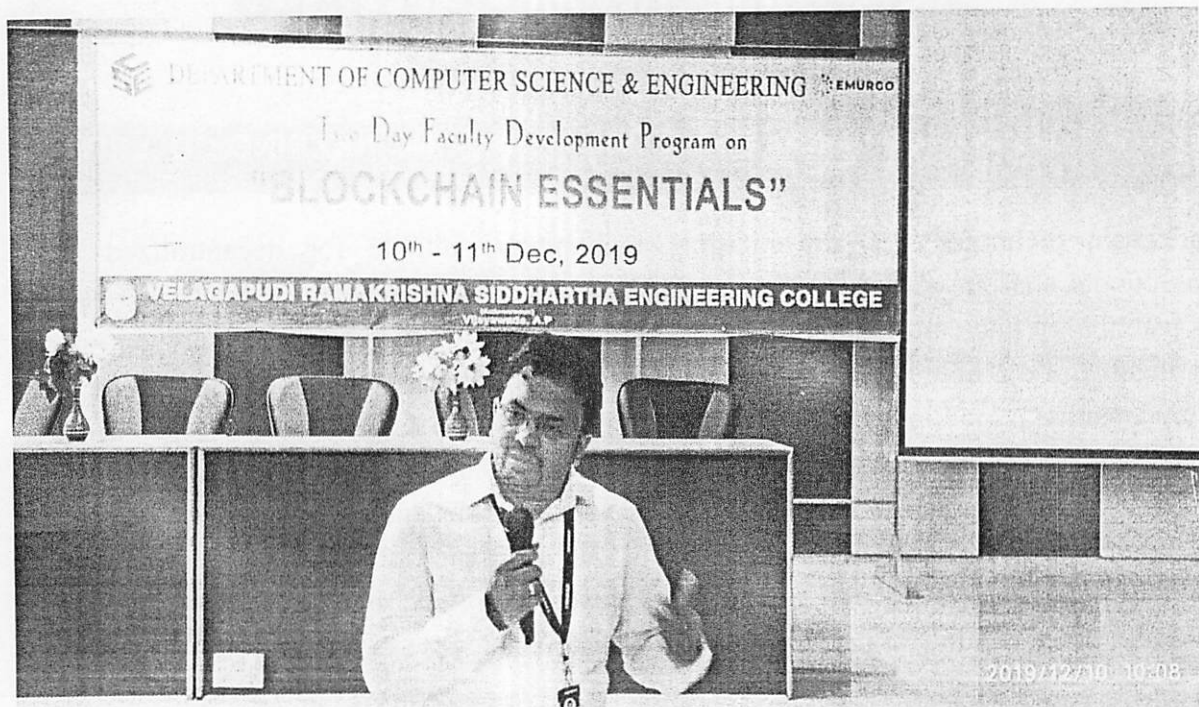
Topics discussed in this session include:

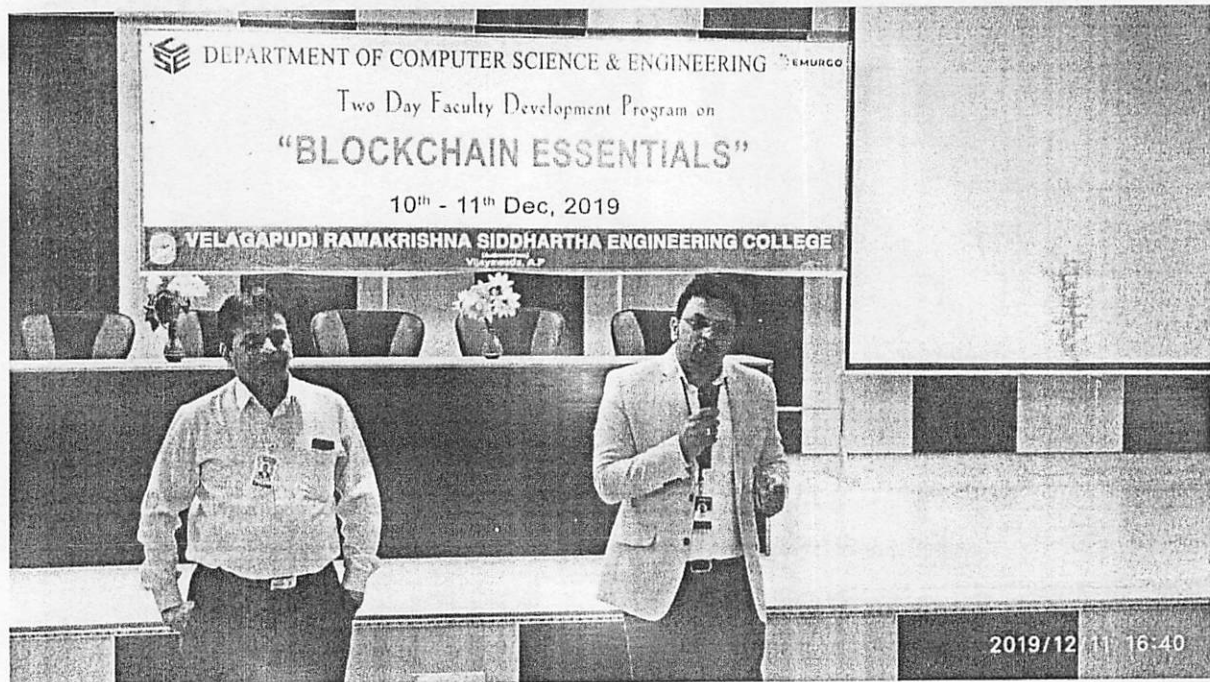
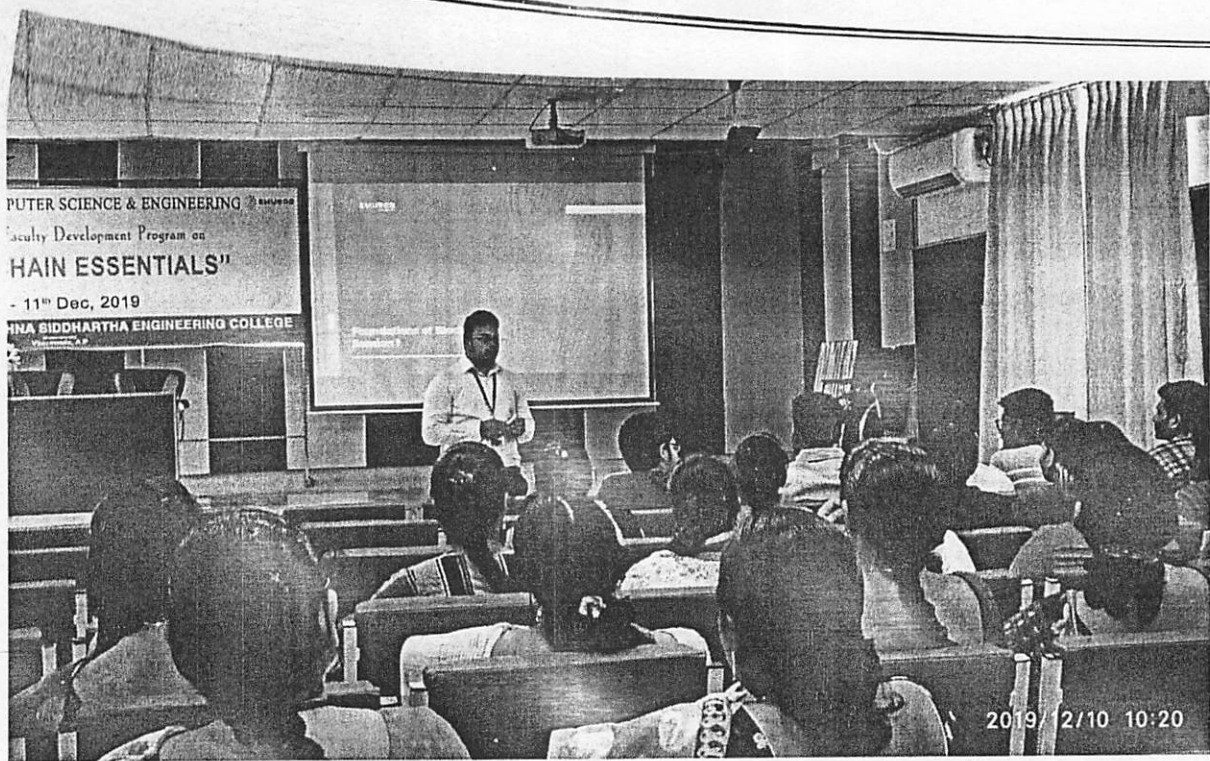
- Basics of security
- Basics of cryptography
- Public keys ,private keys ,symmetric and asymmetric encryption
- Importance of security in today's applications

Day 1: 2:00-5:00 PM (Afternoon Session)

Topics discussed in this session include:

- About crypto currency ,Bit coin
- Block chain introduction
- Block chain challenges
- Security issues in IOT ,Bit coins, machine learning





Day 2: 9:30-1:30 (Morning session)

Topics discussed in this session include:

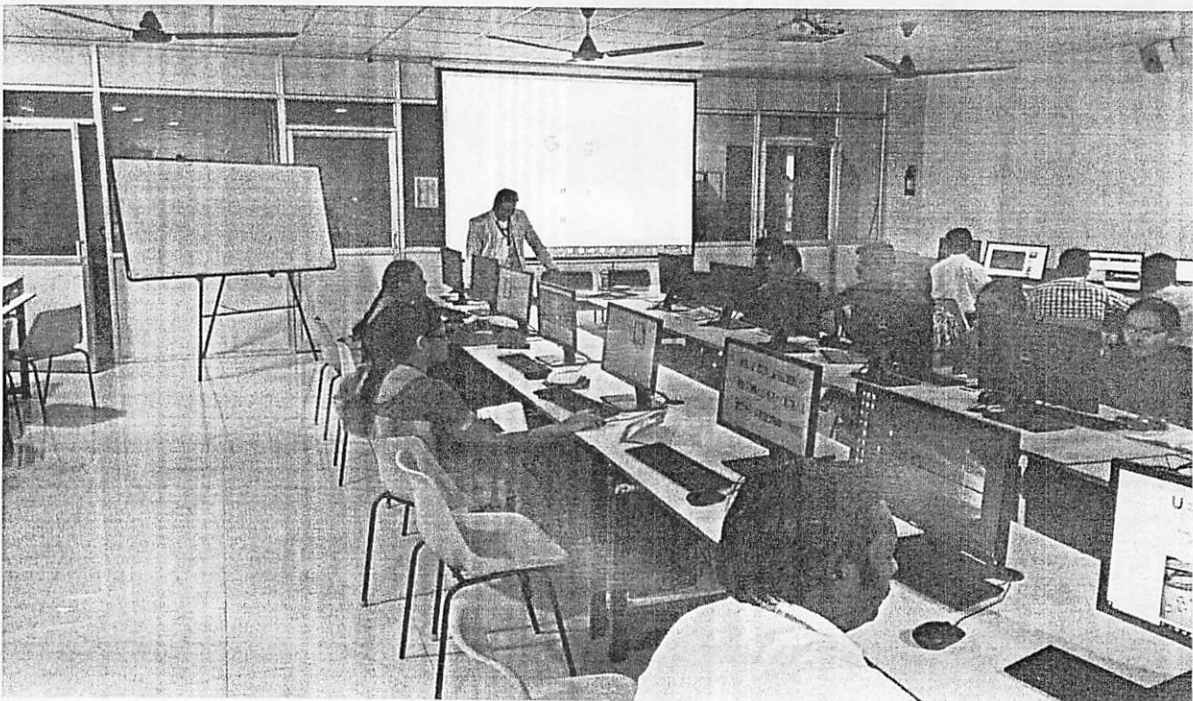
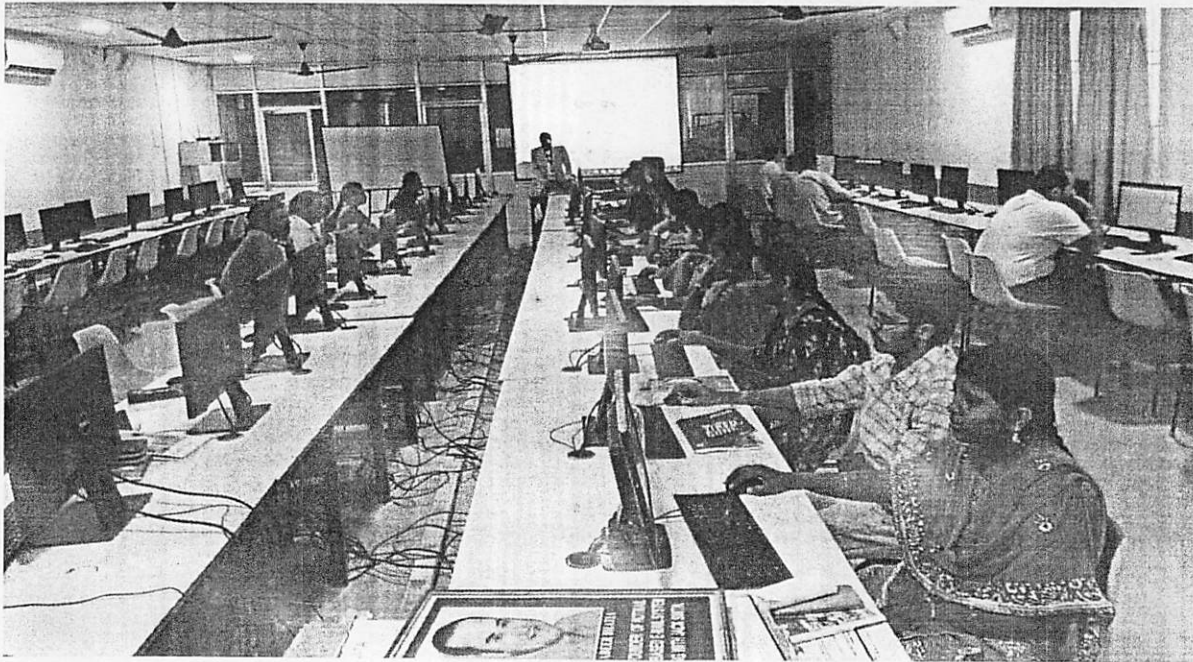
- Applications of Block chain
- Decentralisation of storage
- Computing power
- Social network and websites
- Smart contract
- Decentralized applications & Blockchain

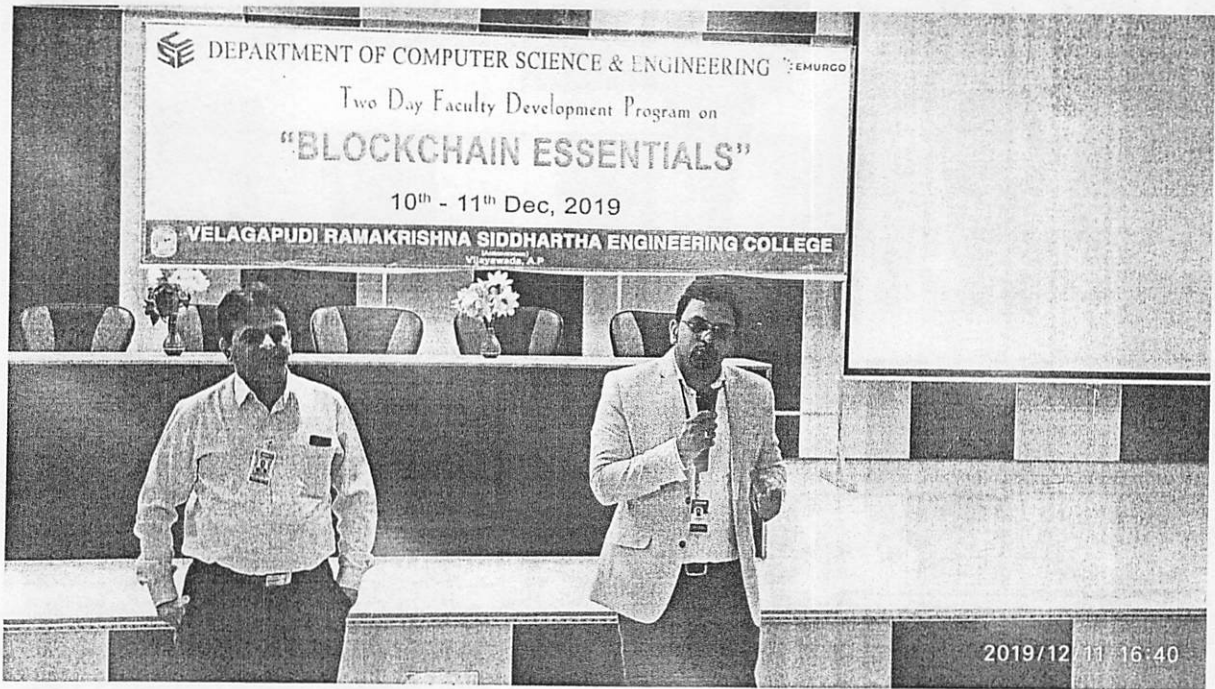
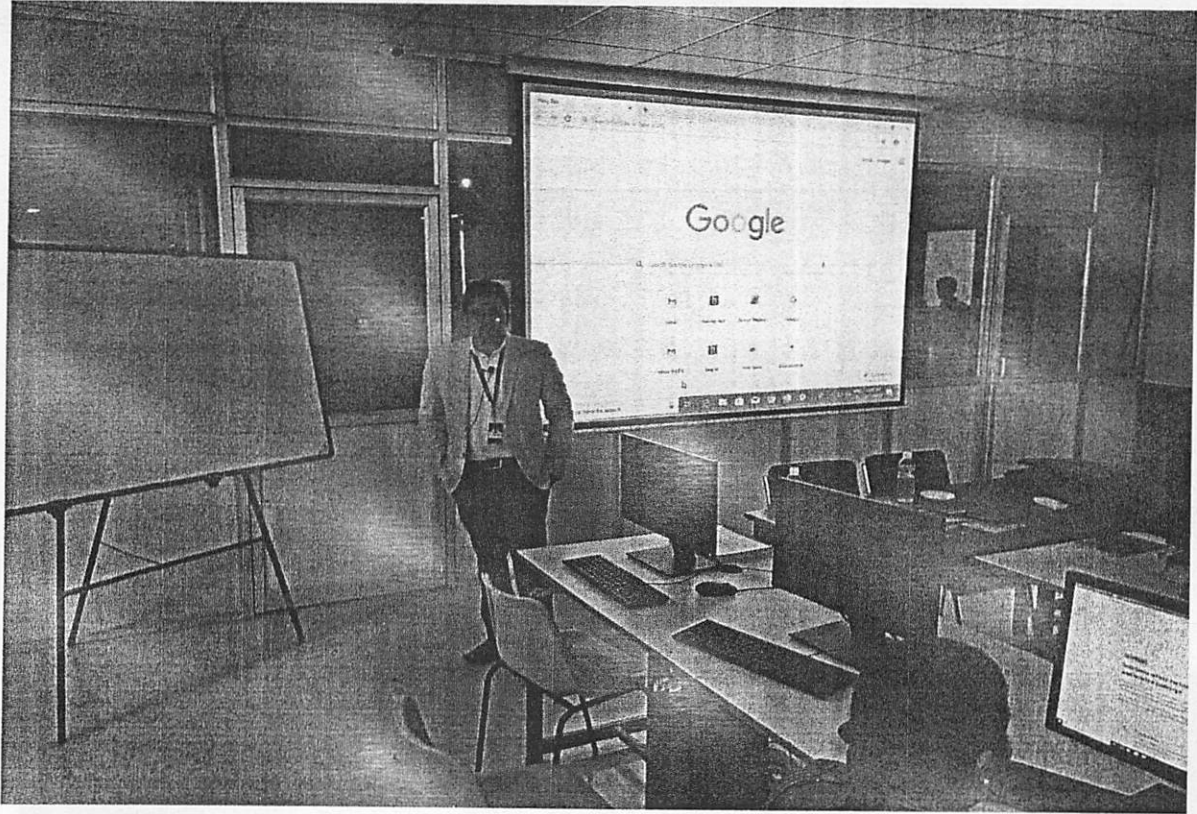
- Application scenarios in Banking & FinTech and Governance

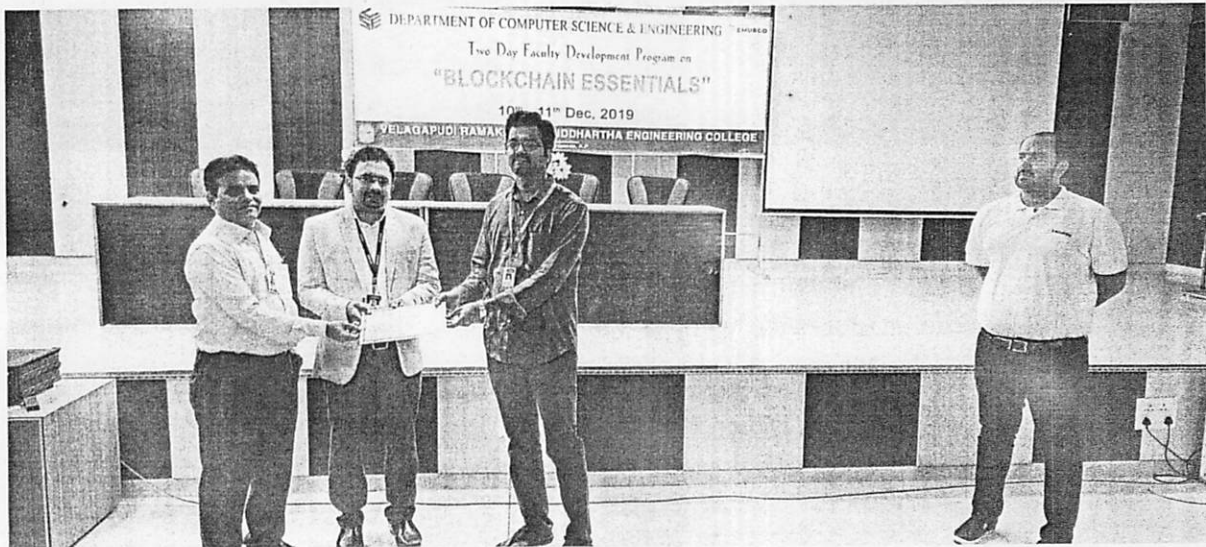
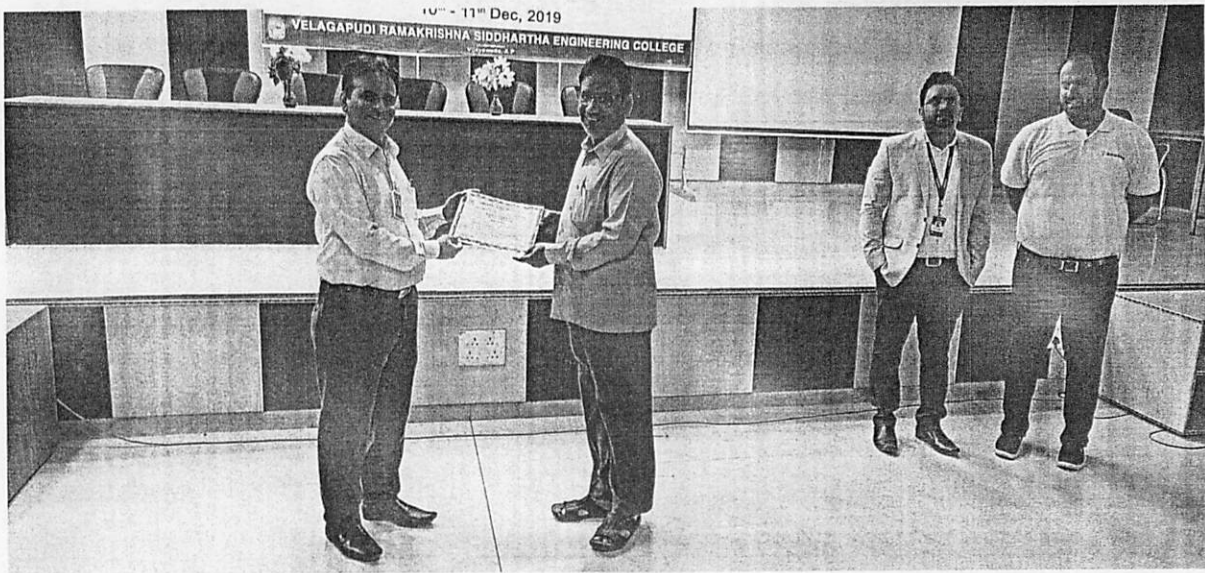
Day 2: 2:00-5:00 (Afternoon session)

Topics discussed in this session include:

- Hands on Block chain technology
- Programming dumping application
- Creating smart contract
- Simple dumping application







Velagapudi Ramakrishna Siddhartha Engineering College

(Autonomous)

Kanuru, Vijayawada, Andhra Pradesh – 520 007

Organized by

Department of Computer Science & Engineering

Two Day Faculty Development Program

"BLOCKCHAIN ESSENTIALS"

10th & 11th DECEMBER 2019

S.No	Name	Designation	Institution/Department	Email ID	Mobile Number	Signature
1.	V. SAMBA SIVA RAO	Asst. prof	VRSEC/CSE	samba.vileti@gmail.com	9059468774	V. Samba
2.	Dr. ch. Rupa	Professora	VRSEC/CSE	rupanted@gmail.com	9848690640	Ch. Rupa
3.	K.s. Vijaya lakshmi	Asst prof	VRSEC/CSE	vijaya@vrsiddhartha.ac.in	966080618	K.S. Vijaya Lakshmi
4.	Dr. V. Esther Jyothi	Asst. Prof.	VRSEC/MCA	vejyothi@vrsiddhartha.ac.in	9959942110	V. Esther Jyothi
5.	M. Prasanna Lakshmi	Asst. prof	VRSEC/MCA	mundlamuri70@gmail.com	9491753743	M. Prasanna Lakshmi
6.	N. Viswanatha Reddy	Student	MCA/LOYOLA	viswa19071@gmail.com	7792529175	N. Viswanatha Reddy
7.	P. Bhavani Shankar	Lecturer/MCA	MCA/LOYOLA	Pagallabhanishankar@gmail.com	9948276596	P. Bhavani Shankar
8.	Dr. K. Parish Venkata Kumar	Asst. Prof	VRSEC/MCA	parishkue@gmail.com	8885546985	K. Parish Venkata Kumar
9.	m. srilatha	Asst. prof	CSE/VRSEC	srilatha.munna@gmail.com	8014834746	M. Srilatha
10.	M. Vani Pujitha	Asst. Prof	CSE/VRSEC	pujitha.vani@gmail.com	9440103704	M. Vani Pujitha
11.	M. Sobhana	Senior Asst. Prof	CSE/VRSEC	msobhana80@gmail.com	9440696550	M. Sobhana
12.	S. Rajeswari	Asst. Prof	CSE/VRSEC	rajeswari.84@gmail.com	9493644581	S. Rajeswari

S.No	Name	Designation	Institution/Department	Email ID	Mobile Number	Signature
13.	MUKESH CHINTA	ASST PROF	CSE, VRSEC	mukesh.chinta@vrsiddharta.ac.in	9052222633	<i>d</i>
14.	N. Sunny	Asst Prof	CSE, VRSEC.	nallurisunny848@gmail.com	7000461500	<i>NSJ</i>
15.	V. Sankar (V.SANKAR)		"	sankar.vemuri@gmail.com	9492963739	<i>V</i>
16.	Dr K Sankar Varan	Professor	"	vndks@gmail.com	9440736108	<i>K</i>
17.	Ch. Raga Madhavi	Asst. Prof	CSE, VRSEC	madhavi.chandaa@gmail.com	9490067481	<i>R</i>
18.	B. Lalshmi	Asst. Prof	MA, VRSEC	lalshmi.b@gmail.com	9985061308	<i>B</i>
19.	G. K. V. She	Asst. Prof	CSE, VRSEC	gkv@vrsiddharta.ac.in	9963926578	<i>G</i>
20.	S. KANESH	Asst. Prof	CSE, VRSEC	kaneshs@gmail.com	9440432804	<i>S</i>
21.	K. L. Sathya	Asst Prof	CSE, VRSEC	sathya0905@gmail.com	9490856718	<i>K</i>
22.	B. Jayaram	Sr. Asst Prof	CSE, VRSEC	jayaramb@gmail.com	9849223388	<i>B</i>
23.	K. Raveen Kumar	Sr. Asst Prof	CSE, VRSEC	raveenm@gmail.com	9848394595	<i>K</i>
24.	B. SRINIVAS	Asst. Prof	MA, VRSEC	srinivas@gmail.com	9293704159	<i>B</i>
25.						
26.						
27.						
28.						
29.						

Two Day FDP on "BLOCKCHAIN ESSENTIALS"

S.No	Name	Designation	Institution/Department	Email ID	Mobile Number	Signature
30.	S. Niharika	Assistant professor	Computer Science (CSE)	sakrutiniharika@gmail.com	9000476952	
31.	Dr. RAMESH KUMAR. P	Sr. Asst. Prof	CSE, VRSEC	Send2rameshkumar@gmail.com	9849577516	
32.	G. Kranthi Kumar	Asst. Prof	CSE, VRSEC	kranthi@vrsiddhartha.ac.in	9885446676	
33.	J. V. D. PRASAD	ASST. Prof	"	masdjs@vrsiddhartha.ac.in	9783455488	
34.	V V V phanikumar	Asst Prof	"	phanikumar.venna@gmail.com	9866909839	
35.	Ch. Anuradha	Asst prof	VRSEC, CSE	anuradha.chintal@gmail.com	9494640750	
36.	S. Ravi KISHAN	Assoc. Prof	VRSEC, CSE	suraki@vrsiddhartha.ac.in	9866869717	
37.	M. Venkata Rao	Asst-prof	U Kalyan	mundlamuri@gmail.com	9000493583	
38.						
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45.						



Velagapudi Ramakrishna Siddhartha Engineering College

Kanuru, Vijayawada, Andhra Pradesh - 520 007

Organized by

Department of Computer Science & Engineering

Two Day Faculty Development Program

"BLOCKCHAIN ESSENTIALS"

10th & 11th DECEMBER 2019

In Collaboration with EMURGO Global

ATTENDANCE SHEET

S.No	Name	Dept/ College	10-12-2019		11-12-2019	
			F.N	A.N	F.N	A.N
1.	V.SAMBA SIVA RAO	CSE/VRSEC	<i>v.samba</i>	<i>v.samba</i>	<i>v.samba</i>	<i>v.samba</i>
2.	Dr.CH.RUPA	CSE/VRSEC	<i>Ch.Rupa</i>	<i>Ch.Rupa</i>	<i>Ch.Rupa</i>	<i>Ch.Rupa</i>
3.	K.S.VIJAYA LAKSHMI	CSE/VRSEC	<i>ks.vijaya</i>	<i>ks.vijaya</i>	<i>ks.vijaya</i>	<i>ks.vijaya</i>
4.	Dr.V.ESTHER JYOTHI	MCA/VRSEC	<i>v.esther</i>	<i>v.esther</i>	<i>v.esther</i>	<i>v.esther</i>
5.	M.PRASANNA LAKSHMI	MCA/VRSEC	<i>m.prasanna</i>	<i>m.prasanna</i>	<i>m.prasanna</i>	<i>m.prasanna</i>
6.	P.BHAVANI SHANKAR P.BHAVANI SHANKAR	MCA/LAYOLA ANDHRA LOYOLA	<i>p.bhavani</i>	<i>p.bhavani</i>	<i>p.bhavani</i>	<i>p.bhavani</i>
7.	Dr.K.PARISH VENKATA KUMAR	MCA/VRSEC	<i>k.p.v.kumar</i>	<i>k.p.v.kumar</i>	<i>k.p.v.kumar</i>	<i>k.p.v.kumar</i>
8.	M.SRILATHA	CSE/VRSEC	<i>m.srilatha</i>	<i>m.srilatha</i>	<i>m.srilatha</i>	<i>m.srilatha</i>
9.	M.VANI PUJITHA	CSE/VRSEC	<i>m.vanipujitha</i>	<i>m.vanipujitha</i>	<i>m.vanipujitha</i>	<i>m.vanipujitha</i>

FDP on "Blockchain Essentials"

S.No	Name	Dept/ College	10-12-2019		11-12-2019	
			F.N	A.N	F.N	A.N
10.	Dr. M.SOBHANA	CSE/VRSEC	KS	KS	KS	KS
11.	S.RAJEWARI	CSE/VRSEC	S.	S.	S.	S.
12.	MUKESH CHINTA	CSE/VRSEC	Ch	Ch	Ch	Ch
13.	N.SUNNY	CSE/VRSEC	NS	NS	NS	NS
14.	V.SANDEEP	CSE/VRSEC	V	V	V	V
15.	Dr.K.SRINIVAS	CSE/VRSEC	K	K	K	K
16.	CH.RAGAMADHURI	CSE/VRSEC	R	R	R	R
17.	B.LAKSHMI	MCA/VRSEC	P	P	P	P
18.	Dr. G. KRISHNA KISHORE	CSE/VRSEC	G	G	G	G
19.	S.RAJESH	CSE/VRSEC	S	S	S	S
20.	K.L.SAILAJA	CSE/VRSEC	S	S	S	S
21.	B.JAYANAG	CSE/VRSEC	B	B	B	B
22.	K.PRAVEEN KUMAR	CSE/VRSEC	K	K	K	K
23.	S.NIHARIKA	CSE/VRSEC	N	N	N	N
24.	Dr.P. RAMESH KUMAR	CSE/VRSEC	P	P	P	P
25.	G.KRANTHI KUMAR	CSE/VRSEC	G	G	G	G

FDP on "Blockchain Essentials"

S.No	Name	Dept/ College	10-12-2019		11-12-2019	
			F.N	A.N	F.N	A.N
26.	J.V.D.PRASAD	CSE/VRSEC	<i>aw</i>	<i>aw</i>	<i>aw</i>	<i>aw</i>
27.	VVNV. PHANI KUMAR	CSE/VRSEC	<i>PK</i>	<i>PK</i>	<i>PK</i>	<i>PK</i>
28.	CH.ANURADHA	CSE/VRSEC	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>
29.	S.RAVI KISHAN	CSE/VRSEC	<i>SK</i>	<i>SK</i>	<i>SK</i>	<i>SK</i>
30.	M.VENKATA RAO	MATHS/VRSEC	<i>VR</i>	<i>VR</i>	<i>VR</i>	<i>VR</i>
31	R.RAMAKRISHNA	MCA/VRSEC	<i>RR</i>	<i>RR</i>	<i>RR</i>	<i>RR</i>
32	B.SRINIVAS	MCA/VRSEC	<i>BS</i>	<i>BS</i>	<i>BS</i>	<i>BS</i>

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING :: VRSEC

136/2019-20

Date: 16-12-2019

To
The Principal,
VRSEC

Respected Sir,

Sub: Submission of bills towards organization of Two Day Faculty Development Program on "Blockchain Essentials" during 10th - 11th DECEMBER 2019 - reg.

This is to bring to your kind notice that with your prior permission, the Department of CSE has organized a Two Day FDP on "Blockchain Essentials" in collaboration with EMURGO Global during 10th - 11th December 2019. A total of 32 faculty (internal and external) have attended the program. The total amount incurred towards the organization of this event is Rs. 2624/- (Two Thousand Six Hundred and Twenty Four). Mr Raghu Raaman Thiyagarajan, AGM- Tech Evangelist at EMURGO Academy India has acted as the resource person for this workshop. Here with, we are submitting the bills along with the details for your kind perusal.

S.No	Description	Amount(Rs)
1.	Food and snacks for resource persons	2254
2.	Stationary	370
	Total	2624

Thanking you,

Enclosures : Bills & Sanction Letters
Report

Yours Faithfully,


Dr. D. Rajeswara Rao
Head:: CSE Department

DR. D. RAJESWARA RAO
Dept of Computer Science & Engineering
V.R. Siddhanta Engineering College
MAYAWADA-520 007

**Velagapudi Ramakrishna
SIDDHARTHA ENGINEERING COLLEGE**

(Autonomous)



VIJAYAWADA

PROPOSAL FOR ORGANISING WORKSHOP/CONFERENCE/SEMINAR/SYMPOSIUM

Date: 03-12-19

S No	Details of the Event	
1	Name of the Department	Computer Science and Engineering
2	Name (s) of the Event Coordinator	Dr Ch Rupa Mr V Sandeep
3	Details of the Conference/Seminar/ Training/ Workshop/ Symposium	Title
		Venue
		Duration
		Date(s)
4	Is the Conference/ Workshop/ Symposium is organized in association with other Organizations/ institute. Yes/No If Yes give details:	EMURGO Global
5	Objectives/Expected Outcome	At the end of the one-day seminar, participants should be able to understand about: <ul style="list-style-type: none"> ❖ Introduction to Blockchain ❖ Types of Blockchains ❖ IOT and Blockchain ❖ Ethereum Blockchain ❖ Architecture of Ethereum ❖ Blockchain Mining and its Importance ❖ Smart Contract and Dapp basics ❖ Transaction flow ❖ Solidity Basics ❖ Applications
6	Target Audience	Faculty (External and Internal)
7	Give details of Experts (if necessary attach additional paper)	Shri Raghu Raaman Thiyagarajan AGM – Tech Evangelist at EMURGO Academy India
8	Total Cost involved Rs. 22,000/- (Rupees in words)	Rs 10,000/- (Ten Thousand Rupees)
9	Whether any advance will be required YES / NO If YES, Rs...	Rs 5,000/- (Five Thousand Rupees)
10	Name of the Faculty on whom the advance is booked	Dr D Rajeswara Rao
11	Is the above mentioned programme covered in departmental TNA?: Yes/ No;	Yes
12	If No, then the H.O.D has to forward a note for inclusion of the programme to the Head of the Institute	--
13	Foreword Note by HOD:	

Velagapudi Ramakrishna
SIDDHARTHA ENGINEERING COLLEGE
 (Autonomous)
 VIJAYAWADA

Budgetary Provision Checked  [Signature of the Event Coordinator]	Recommended  PROFESSOR & HEAD [Signature (with seal) of the Head of the Department] Department of Computer Science Engineering	Recommended [Signature (with seal) of the Principal/ Officer-In-Charge]
---	---	---

V.R.Siddhartha Engineering College
 VIJAYAWADA-520 007

Break-up of the expected expenditure :

Honorarium	Nil
Local Transport	Rs 1000/-
Lunch, Dinner & Hospitality for Guests & External Participants	Rs 8000/-
Stationary & Banners	Rs 1000/-
Total (Five Thousand Only)	Rs 10,000/-

VELAGAPUDI RAMAKRISHNA SIDDHARTHA ENGINEERING COLLEGE

(Autonomous), KANURU, VIJAYAWADA – 520 007, Andhra Pradesh.



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Two Day Faculty Development Program on

"BLOCKCHAIN ESSENTIALS"

10th – 11th December, 2019

Chief Patrons

Sri N. Venkateswarlu, President, Siddhartha Academy of General & Technical Education

Patrons

Sri P. Lakshmana Rao, Secretary

Sri S. Venkateshwar Rao, Treasurer,

Sri M. Rajaiah, Vice-President & Convener, Siddhartha Academy of General & Technical Education, V R Siddhartha Engineering College,

Advisory Committee

Dr A. V. Ratna Prasad, Principal

Dr N N Sastry, Dean, R&D

Dr B Panduranga Rao, Dean, Student Affairs

Resource Persons

❖ **Shri Raghu Raaman Thiyagarajan**
AGM – Tech Evangelist at EMURGO Academy India, Bangalore

Convener

Dr. D. Rajeswara Rao

Professor & Head, CSE Department, VRSEC

Convener

Co-ordinators

Dr. Ch. Rupa

Professor

Mr V Sandeep

Assistant Professor

Department of Computer Science & Engineering

Dear Sir/Madam,

Sub: Two Day FDP on "Blockchain Essentials" on 10th – 11th December in collaboration with EMURGO Global

We are glad to inform you that Department of Computer Science and Engineering is organizing a Two Day FDP on "Blockchain Essentials" during 10th – 11th December 2019.

Blockchain is recently introduced & revolutionizing the digital world with a new perspective to security, resiliency and efficiency of systems. While initially introduced as bitcoin, Blockchain is much more than a foundation to cryptocurrency. It offers a secure way to exchange any kind of good, service, and transaction.

The FDP covers a broad range of topics related to blockchain technology, including Smart Contracts, Securities, Digital & Fraud reduction, Record keeping and other applications.

You are kindly requested to circulate the information brochure among the faculty of your college/Department suggesting them to attend this unique program.

We look forward to your whole hearted cooperation in making this program a grand success.

Thanking You,

With kind regards

Dr. D Rajeswara Rao

Head of the Dept, CSE

Venue @ CSE Department Seminar Hall

Inaugural starts @ 9.30 AM

**VELAGAPUDI RAMAKRISHNA SIDDHARTHAENGINEERING COLLEGE
(AUTONOMOUS)
VIJAYAWADA**

REQUISITION FOR ACCOMMODATION IN GUEST HOUSE

Date: 30-11-2019

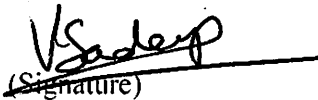
Department seeking accommodation : **Computer Science and Engineering**
Name of the person signing this requisition : **Mr. V Sandeep**
Designation: : **Assistant Professor, CSE**
Contact number: : **9492963739**
Event for which accommodation is requested: **One Day Seminar on
Block Chain Technologies on 09th December
2019
Two Day FDP on Blockchain Essentials from
10th December to 11th December 2019**

Any other: (Specify):

Number of Rooms Required: **02**

S.No	Name of the Guest	Organization / Mobile number	Date/time of check-in	Date/time of check-out	Allocated Room Number
1.	Mr. Rahul Oberei Mr. Shri Raghu Raaman T	Emurgo Global	09-12-2019 06:00 AM	11-12-2019 09:00 PM	

Special Remarks if any:

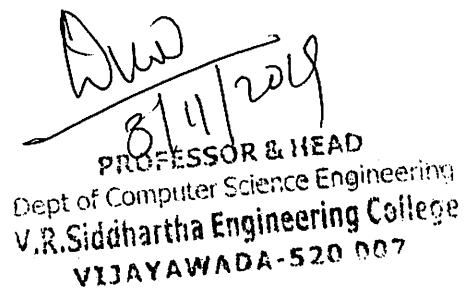

(Signature)

Forwarded by

(Signature)
Head of the Department

Allocated/Not allocated
Remarks (in case not allocated):

Note: Request prior to 10 days is needed.


PROFESSOR & HEAD
Dept of Computer Science Engineering
V.R.Siddhartha Engineering College
VIJAYAWADA-520 007

Profile:



Shri Raghu Raaman Thiyagarajan

AGM – Tech Evangelist at EMURGO Academy India

Raghu is a self-learned blockchain architect, developer and a passionate trainer. He has real time experience in building decentralized blockchain applications using Solidity, Hyperledger, ReactJS, NodeJS, Web3 JS, Next JS, Bootstrap, Material- UI, Ant Design, MeteorJS, Ruby and GoLang. He has been evangelising for more than 18 months as blockchain developer and has trained multiple professionals and developers on blockchain use-cases and development.

He started his career as Research Associate at Cognizant and has worked in top companies like Standard Chartered Global Services and Barclays Shared Services as a Team Lead and Financial Analyst respectively. After working approximately for 5 years at MNCs, he co-founded a start-up known as CelebratON.in in December 2017. CelebratON.in is an online event essentials aggregator which brings together all the essential services for celebrations under a single roof.

He has done various Blockchain Certifications. Few of them are - IBM Blockchain Foundation Developer (By Cognitive Class, IBM), Blockchain Architecture Design and Use Cases (By NPTEL, IIT Kharagpur) and Introduction to Digital Currencies (By University of Nicosia). He is a certified Ethereum & Solidity Programmer as well.

Raghu has worked on projects like –

- 1. Decentralized Crowd-Funding**
Tech Stack – Solidity, React JS, Material- Ui, Chai
- 2. Decentralized Auction**
Tech Stack - Tech Stack – Solidity, React JS, Material - UI, Chai
- 3. Cryptocurrency Exchange**
Tech Stack – Solidity, React JS, React-Bootstrap, Chai

He is an MBA from BIM, Trichy, India and done his B.E. from Jeppiaar Engineering College.



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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Two Day Faculty Development Programme on

BLOCKCHAIN ESSENTIALS

In Collaboration with EMURGO Global

Certificate

This is to certify that Dr./Mr./Mrs. M. VENKATA RAO
of Department of CSE, VRSEC has attended Two Day
Faculty Development Programme on “**BLOCKCHAIN ESSENTIALS**”, in Collaboration with
EMURGO GLOBAL during 10th -11th December, 2019 organized by Department of Computer Science
& Engineering, Velagapudi Siddhartha Engineering College, Vijayawada, Andhra Pradesh.

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