



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(AUTONOMOUS)

Accredited by NAAC & NBA (Under Tier - I) ISO 9001:2015 Certified Institution

Approved by AICTE, New Delhi. and Affiliated to JNTUK, Kakinada

L.B. REDDY NAGAR, MYLAVARAM, KRISHNA DIST., A.P.-521 230.

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Report on Three Day workshop on “Block Chain Technologies”

(14th June 2021 – 16th June 2021)

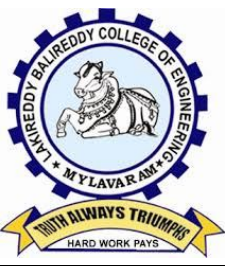
Lakireddy Bali Reddy College of Engineering (A) has organized A Three-Day Workshop on “Block Chain Technologies” from 14th June –16th June 2021. This training program was organized by Department of CSE and have received an overwhelming response with more than 300 registrations. Out of them, we have shortlisted only 170 participants. Participants are graduate students.

Brochure:

<p>Resource Person: Mr. T. Ram Senior Lead Software Engineer UTC, HYDERABAD.</p> <p>Eligibility:</p> <ul style="list-style-type: none">UG/PG Students <p>Registration and Fee Particulars:</p> <ul style="list-style-type: none">No Registration FeeParticipants will be selected based on First Come First Serve BasisRegistration may be done by the following link https://forms.gle/LZ8fWV7ANrcEdbR89After clicking on the link, it will ask you to sign up. Fill your details and submit the form. <p>Important Dates:</p> <ul style="list-style-type: none">Last Date for Registration: 10/06/2021 <p>Certificate Criteria:</p> <ul style="list-style-type: none">E-Certificate will be provided <p>Contact: Ms. M. Sri Bala +91- 81065 67077 , Ms. A. Praneetha +91-9160981126</p>	<p>COMMITTEE MEMBERS</p> <p>Chief Patrons:</p> <ol style="list-style-type: none">Er. Lakireddy Bali Reddy, ChairmanSri L. Jaya Prakash Reddy, Co-ChairmanSri L. R. N. K. Prasad Reddy, Vice-Chairman <p>Patrons:</p> <ol style="list-style-type: none">Sri G. Srinivasa Reddy, PresidentDr. K. Appa Rao, PrincipalDr. M. Srinivasa Rao, Dean of Academics <p>Convener:</p> <p>Dr. D. Veeraiah, Professor & HOD, CSE</p> <p>Coordinators:</p> <ol style="list-style-type: none">Dr. O. Rama Devi, Professor, CSEDr. K. Naga Prasanthi, Assoc. Professor, CSE <p>Co-coordinators:</p> <ol style="list-style-type: none">Ms. M. Sri Bala, Sr. Asst. Professor, CSE.Ms. G. V. Rajyalakshmi, Asst. Professor, CSEMs. A. Praneetha, Asst. Professor, CSEMs. B. Usharani, Asst. Professor, CSE <p>Student Co-coordinators:</p> <ol style="list-style-type: none">Jyothi -18761A0542, ph. 83284 33995Maanvitha -18761A0571, ph. 83280 62927	<p>Three Day Workshop on Blockchain Technologies (14th -16th June 2021)</p>  <p>Organized by Department of Computer Science and Engineering</p> <p> NATIONAL INSTITUTIONAL RANKING FRAMEWORK (Rank Band: 201-250)</p> <p> NBA (Under Tier-I)</p> <p></p> <p>LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING (A) Accredited by NAAC & NBA (CSE, IT, ECE, EEE, MECH)</p>
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Date: 14/06/2021 Inauguration:

Workshop was inaugurated on 14/06/2021 by Dr. D. Veeraiah, Professor and HOD, CSE Department. He has explained the importance of workshop and given his best wishes. Dr. M. Srinivasa Rao, Dean of Academic affairs has explained the importance of Block Chain technologies. Dr. O. Rama Devi, Coordinator of the workshop has introduced the resource persons Mr. T. Ram, Senior Lead Software Engineer, UTC, Hyderabad.



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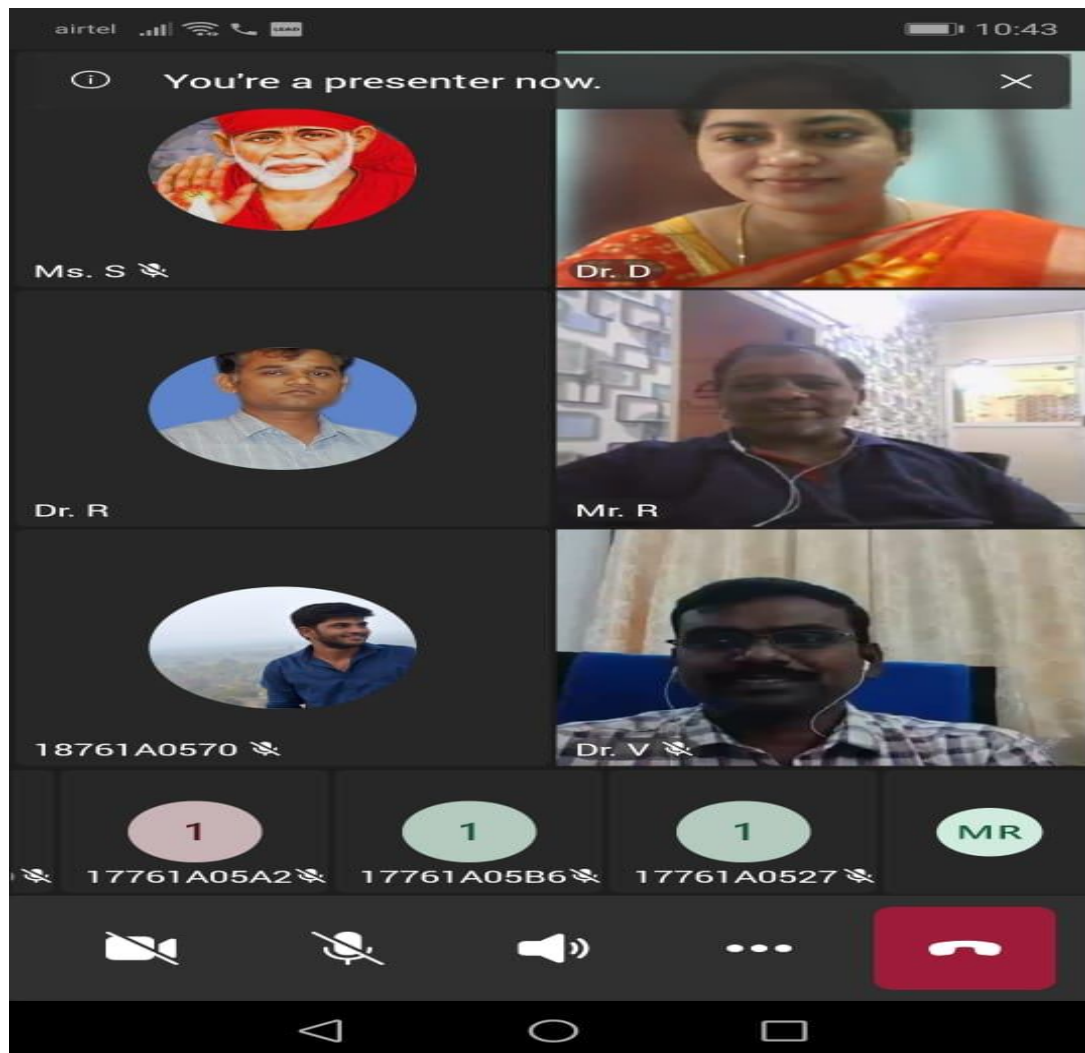


Fig: Inauguration Speech

Day 1 -- Session 1 (14/06/2021) :

In the first session, speaker has given basic terminology on the block chain like block, node, decentralization, transaction and network. He introduced types of blockchain. He has explained the architecture of block chain.

Topics covered:

1. Basic concepts of block chain
2. Types of Block chain – Public & Private
3. EthereumBlockchainArchitecture, Accounts,transactions



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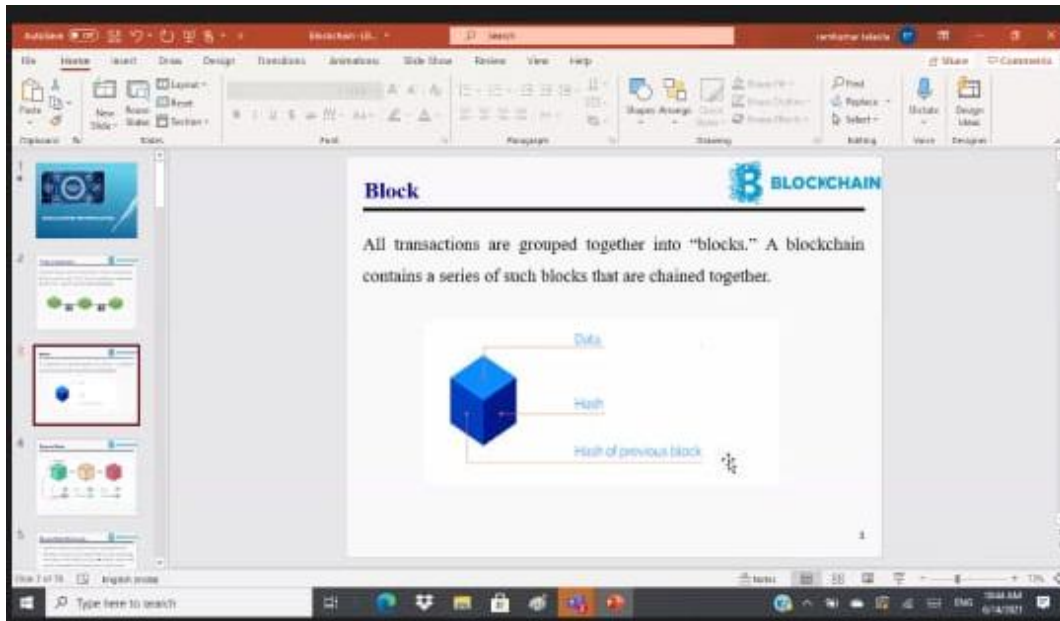
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Day 2 -- Session 2 (15/06/2021) :

In the second session, speaker has discussed about mining of user nodes and its importance. He has explained about definition of smart contract and how to write smart contracts. He has introduced on Solidity coding.

Topics covered:

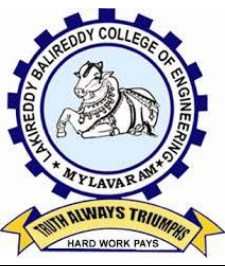
1. Mining and importance of Mining
2. SmartContract and Dapp basics
3. Solidity Basics

Day 3 -- Session 3 (16/06/2021) :

In the third session, speaker has introduced consensus algorithms like POW and POS. He has given Practical exposure on creating smart contracts, MetaMask introduction and how to perform transactions.

Topics covered:

1. Developing , deploying and connection on a sample smart contract
2. Connecting deployed contract from Frontend using web3.js
3. MetaMask Introduction



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Feedback/ Suggestions from participants:

- Interested in more workshops like these.
- The way of explaining was good.
- Very informative session regarding emerging technology.
- Need to conduct real time projects on live which will be helpful to gain knowledge on part of it
- Conducting of this workshop in practical way was very much useful for all.

(Dr.O.Rama Devi)

(Dr. D. Veeraiah)

(Dr. K. Appa Rao)