



# MALLA REDDY ENGINEERING COLLEGE

(Autonomous)

Maisammaguda(H), Gundlapochampally Village, Medchal  
Mandal, Medchal-Malkajiri District, Telangana State – 500100

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## CIRCULAR

Date: 12/12/2018

All the 3<sup>rd</sup>/II Year/Sem students are hereby informed that the Malla Reddy Engineering College (Autonomous) is planning to organize Value Added Courses like Multimedia - 3D Basic Animations, Green Matte Studio - Video Effects/Transitions, Anatomy of a 3D Printer, Live demo of 3D Printing, Advanced PYTHON, Blockchain Revolution in Centre Of Excellence. In this regard Interested students are hereby directed to register for this Courses on or before 17/12/2018. For further details, please contact Centre of Excellence, MREC(A)

  
Principal

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8. Security Officer-for necessary action
9. Transport Manager-for necessary action
10. TEQIP Coordinator & Academic Cell
11. Admin Office
12. System Admin
13. Placement Cell
14. PA to Principal for Filling



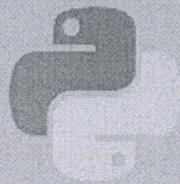
**MALLA REDDY ENGINEERING COLLEGE**  
**MAIN CAMPUS, AUTONOMOUS INSTITUTION**  
Maisammaguda, Dhulapally (Post) via Kompally,  
Secunderabad-500100 Medchal - Malkajgiri District Telangana, India



## **COMPUTER SOFTWARE**

**HTML ,PYTHON WITH DJANGO ,JAVA ,  
SCRATCH PROGRAMMING**

**LAB VIEW, FOUNDATION OF BLOCK CHAIN,  
MATLAB, BLOCK CHAIN REVOLUTION, MATLAB PRO,  
ADVANCE JAVA, ADVANCE PYTHON.**



python



Java

**Course Duration -: 4 Months**

**Before Software can be Reusable**

**it First has to be Usable.**

*Raveesh*

Principal  
Malla Reddy Engineering College  
Maisammaguda, Dhulapally,  
(Post Via Kompally), Sec'bad-500100



# **MALLA REDDY ENGINEERING COLLEGE**

(An UGC Autonomous Institution, Affiliated to JNTUH,  
Accredited 2nd time by NAAC with 'A' Grade & NBA)  
Maisammaguda (H), Medchal-Malkajgiri District,  
Telangana State – 500100

## **DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

### **Course Name: Fundamentals of Blockchain Technology**

Introduction of Cryptography and Blockchain:

What is Blockchain, Blockchain Technology Mechanisms & Networks, Blockchain Origins, Objective of Blockchain, Blockchain Challenges, Transactions And Blocks, P2P Systems, Keys As Identity, Digital Signatures, Hashing, and public key cryptosystems, private vs. public Blockchain

BitCoin and Cryptocurrency:

What is Bitcoin, The Bitcoin Network, The Bitcoin Mining Process, Mining Developments, Bitcoin Wallets, Decentralization and Hard Forks, Ethereum Virtual Machine (EVM), Merkle Tree, Double-Spend Problem, Blockchain And Digital Currency, Transactional Blocks, Impact Of Blockchain Technology On Cryptocurrency.

Introduction to Ethereum:

What is Ethereum, Introduction to Ethereum, Consensus Mechanisms, How Smart Contracts Work, Metamask Setup, Ethereum Accounts, Receiving Ether's What's a Transaction?, Smart Contracts.

Introduction to Hyperledger:

What is Hyperledger? Distributed Ledger Technology & its Challenges, Hyperledger & Distributed Ledger Technology, Hyperledger Fabric, Hyperledger Composer

Solidity Programming:

Solidity - Language of Smart Contracts, Installing Solidity & Ethereum Wallet, Basics of Solidity, Layout of a Solidity Source File & Structure of Smart Contracts, General Value Types (Int, Real, String, Bytes, Arrays, Mapping, Enum, address

Blockchain Applications:

Internet of Things, Medical Record Management System, Domain Name Service and Future of Blockchain, Alt Coins

|   |  |                                 |
|---|--|---------------------------------|
|  | <b>MALLA REDDY ENGINEERING<br/>COLLEGE (Autonomous)</b><br>Maisammaguda(H), Gundlapochampally<br>Village,<br>Medchal Mandal, Medchal-Malkajgiri<br>District,<br>Telangana State - 500100 | Course:BLOCKCHAIN<br>REVOLUTION |
|   |  | Date:17/12/2018 to 13/04/2019   |

Registered Students

| SL.No | Roll No    | NAME                       | BRANCH |
|-------|------------|----------------------------|--------|
| 1     | 16J41A0166 | BEETLA NIKHIL              | CE     |
| 2     | 16J41A0173 | EDURUGATLA GOUTHAM         | CE     |
| 3     | 16J41A0180 | GUDE LALITHADITYA          | CE     |
| 4     | 16J41A0184 | GURRAM SAI VIKRAM          | CE     |
| 5     | 16J41A0193 | KONDAM DIVYA               | CE     |
| 6     | 16J41A0235 | LAMBU VISHNU VARDHAN REDDY | EEE    |
| 7     | 16J41A0240 | MD ATIQ                    | EEE    |
| 8     | 16J41A0247 | PENDAM BHARATH             | EEE    |
| 9     | 16J41A0255 | TAGARAM VEERESH            | EEE    |
| 10    | 16J41A0260 | VINNAKOTA MADHU MANASA     | EEE    |
| 11    | 16J41A0361 | AITHA REVANTH              | ME     |
| 12    | 16J41A0367 | BANDARI MADHU              | ME     |
| 13    | 16J41A0373 | CHINTAMALLA PRAVEEN KUMAR  | ME     |
| 14    | 16J41A0377 | DHONDI MILIND              | ME     |
| 15    | 16J41A0381 | GORLLA NARESH              | ME     |
| 16    | 16J41A0387 | KANDIKANTI TEJESH GOUD     | ME     |
| 17    | 16J41A0389 | KARAN SINGH                | ME     |
| 18    | 16J41A0391 | KHAN SALMAN SERAJ          | ME     |
| 19    | 16J41A0464 | ARE SAI KRISHNA            | ECE    |
| 20    | 16J41A0473 | DASARI SAI SWAROOP         | ECE    |
| 21    | 16J41A0485 | KADIRA ANUSHA              | ECE    |
| 22    | 16J41A0489 | KANDHULA SAINATH REDDY     | ECE    |
| 23    | 16J41A0493 | KOKA SITHARAMA RAJU        | ECE    |
| 24    | 16J41A0494 | MAHAMMAD MUJEEB            | ECE    |
| 25    | 16J41A0562 | ANUGU RUTHWIK REDDY        | CSE    |
| 26    | 16J41A0565 | BHAROTHU BINDUMADHAVI      | CSE    |
| 27    | 16J41A0569 | DONTHOJI SHIVANI           | CSE    |
| 28    | 16J41A0576 | GOVULA SURESH KOUSHIK      | CSE    |
| 29    | 16J41A0584 | KENCHAM SHILPA             | CSE    |
| 30    | 16J41A0591 | MADDINENI DEEPIKA          | CSE    |

*Raveendh*

**Principal**  
**Malla Reddy Engineering College**  
**Maisammaguda, Dhulapally,**  
**(Post Via Kompally), Sec'bad-500100**

## SUMMARY

### **Blockchain Revolution**

The first generation of the digital revolution brought us the Internet of information. ... Blockchain is the ingeniously simple, revolutionary protocol that allows transactions to be simultaneously anonymous and secure by maintaining a tamperproof public ledger of value.

Blockchain is poised to transform every industry and managerial function—redefining the ways we transact online, share ideas, and manage workflows. It's a new technology that every business professional needs to understand.

This four-course Specialization introduces you to the world of blockchain technology—explaining what blockchain is, how it works, and why it's revolutionary. You will learn about various categories of cryptoassets, and the ways they can be transacted on a blockchain. You will learn how blockchain is disrupting business models and financial services, offering organizations new choices in how they create and manage value.

The Specialization is taught by Don Tapscott and Alex Tapscott, globally-recognized authorities on innovation and technology and authors of the best-selling book *Blockchain Revolution*. It also includes various industry experts and developers from the Ethereum Foundation, Grid Singularity, Keyless Technologies, and ResonanceX who will share their experiences within the blockchain ecosystem.

Additionally, you will gain access to ground-breaking research from the [Blockchain Research Institute](#) as well as the *Blockchain Case Commons*—a crowdsourced collection of blockchain applications and use-cases spanning multiple industries. Upon completion of this Specialization, you will produce a Blockchain Opportunity Analysis, in which you identify and evaluate a promising application of blockchain technology in your own industry.



# MALLA REDDY ENGINEERING COLLEGE

MAIN CAMPUS, AUTONOMOUS INSTITUTION



## Certificate Of the Course Completion

*This is to Certify that*

**KARAN SINGH**

*has Successfully Completed Block Chain Revolution  
Course Offered by Centre of Excellence, MREC(A) on 01/11/2019  
bearing with Roll No. 16J41A0389 and Branch ME.*

Dr. Yogesh Madaria  
CONVENOR

Principal  
Malla Reddy Engineering College  
Maisammaguda, Dhulapally,  
(Post Via Kompally), Sec'bad-500100

Dr. S. Sudhakara Reddy  
Conference Chair & Principal



# MALLA REDDY ENGINEERING COLLEGE

MAIN CAMPUS, AUTONOMOUS INSTITUTION



## Certificate Of the Course Completion

*This is to Certify that*

**KENCHAMSHILPA**

*has Successfully Completed Block Chain Revolution  
Course Offered by Centre of Excellence, MREC(A) on 01/11/2019  
bearing with Roll No. 16J41A0584 and Branch CSE.*

Dr. Yogesh Madaria  
CONVENOR

Dr. S. Sudhakara Reddy  
Conference Chair & Principal

Principal  
Malla Reddy Engineering College  
Maisammaguda, Dhulapally,  
(Post Via Kompally), Sec. Bad-500 100



# MALLA REDDY ENGINEERING COLLEGE

MAIN CAMPUS, AUTONOMOUS INSTITUTION



## Certificate Of the Course Completion

*This is to Certify that*  
**MD ATIQ**

*has Successfully Completed Block Chain Revolution  
Course Offered by Centre of Excellence, MREC(A) on 01/11/2019  
bearing with Roll No. 16J41A0240 and Branch EEE.*

**Dr. Yogesh Madaria**  
CONVENOR

**Principal**  
Malla Reddy Engineering College  
Maisammaguda, Dhulapally,  
(Post Via Kompally), Secbad-500100

**Dr. S. Sudhakara Reddy**  
Conference Chair & Principal



# MALLA REDDY ENGINEERING COLLEGE

MAIN CAMPUS, AUTONOMOUS INSTITUTION



## Certificate Of the Course Completion

*This is to Certify that*

**ARE SAI KRISHNA**

*has Successfully Completed Block Chain Revolution  
Course Offered by Centre of Excellence, MREC(A) on 01/11/2019  
bearing with Roll No. 16J41A0464 and Branch ECE.*

Dr. Yogesh Madaria  
CONVENOR

Principal  
Malla Reddy Engineering College  
Maisammaguda, Dhulapally,  
(Post Via Kompally), Sec'bad-500100

Dr. S. Sudhakara Reddy  
Conference Chair & Principal



**MALLA REDDY ENGINEERING COLLEGE**  
MAIN CAMPUS, AUTONOMOUS INSTITUTION



**Certificate**  
**Of the Course Completion**

*This is to Certify that*

**BEETLA NIKHIL**

*has Successfully Completed Block Chain Revolution*  
*Course Offered by Centre of Excellence, MREC(A) on 01/11/2019*  
*bearing with Roll No. 16J41A0166 and Branch CE.*

Dr. Yogesh Madaria  
CONVENOR

Principal  
Malla Reddy Engineering College  
Maisamma guda, Dhulapally,  
Post Via Kompally, Guntur District, Andhra Pradesh

Dr. S. Sudhakara Reddy  
Conference Chair & Principal