

## CHIEF PATRON

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## COORDINATOR

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Associate Professor, Department of CSE

## CO-COORDINATORS

**Smt. KAVITA AGARWAL,**  
Asst. Professor, Department of CSE

**Sri M. VENKATA KRISHNA REDDY**  
Asst. Professor, Department of CSE

## GUIDELINES

- ☞ Eligible participants will be selected based on first come first serve basis and will be intimated by e- mail only.
- ☞ On the last day of the program an assessment test will be conducted for all participants.
- ☞ A Digital Certificate by the ATAL Academy will be issued to the participants, who have an attendance of minimum 80 % and score more than 60% in the test.

## REGISTRATION DETAILS

- No Registration Fee
- All the participants are requested to register using the following link

<https://atalacademy.aicte-india.org/login>

## FOR FURTHER DETAILS PLEASE CONTACT

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AICTE



Training and Learning (ATAL)  
Academy Online  
Faculty Development Program

on

# BLOCK CHAIN

04<sup>th</sup> – 08<sup>th</sup> January, 2021

Organized by

**DEPARTMENT OF COMPUTER  
SCIENCE AND ENGINEERING**

## **CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY(A)**

CBIT, established in the Year 1979, has developed in Four Decades of its journey, as one of the Premier Engineering Institute in INDIA, in Telangana State. The Institute offers Eleven UG and Eleven PG Programs into which Brilliant and Meritorious Candidates with good EAMCET Rank are seeking admissions at CBIT. CBIT Students are prepared and perfected holistically to secure Placements in reputed National and Multi-National Industries. Alumni, nearly 25,000 Graduate Engineers, are successfully placed in their Careers and as Entrepreneurs Globally. The Institute has been granted Autonomous Status from the Academic Year 2013-14 onwards.



### **ABOUT THE DEPARTMENT**

The Department of CSE was started in the year 1985 with an intake of 20. The intake was gradually increased to 180. From this academic

year (i. e. 2020) we have started Two new programmes in emerging technologies like B.E (CSE with AI and ML) with an intake of 60 and B.E (CSE with IoT, Cyber Security with Blockchain) with an intake of 60. Thus, increasing the intake of UG students from 180 to 300. M. Tech programme was started in the year 2002 with an intake of 18 and increased to 36 in 2011. CSE department is a recognized research center under Osmania University. It has centers of excellence in the areas of AI&ML, Cyber security, and IOT. The department is having committed and well qualified staff. The intellectual ambiance in CSE Department is conducive to the overall development of the students and the discipline of Computer Science and Engineering as a whole. The vision of CSE Department is to become a Centre of Excellence in the field of Computer Science and Engineering that produces Innovative, Skillful, Socially Responsible and Ethical Professionals

### **ABOUT THE FDP**

Blockchain stands as a predominant technology behind various decentralized applications and cryptocurrencies like bitcoins, ethereum etc. to signify the essence of virtual communications. To understand the emerging blockchain technology, it is essential to gain practical exposure required to develop the blockchain properties in real time using various consensus protocols.

To achieve this goal, the FDP aims to impart knowledge to the participants in this emerging domain towards the use of consensus protocols. The participants will be able to understand the ethereum blockchain & hyperledger fabric

implementation in real time. They will progress with the development of blockchain based applications for societal benefits & also gain an industrial exposure in the blockchain arena to train the students in an innovative direction.

### **TOPICS TO BE COVERED IN FDP**

The topics include introductory concepts and advanced topics with practical demonstrations in the field of Blockchain. The following topics will be covered but are not limited to:

- Significance of Blockchain
- Blockchain Architecture
- Consensus Protocols
- Ethereum & Hyperledger Fabric
- Significance of Smart Contracts and their creation
- Meta tasking
- Crypto wallets for real time use-cases
- Blockchain Cryptography

### **RESOURCE PERSONS**

Resource Persons will be from Renowned Institutions such as IIT's/NIT's, Industries and host Institution.

### **ELIGIBILITY**

The faculty members of the AICTE approved institutions, research scholars, PG Scholars, participants from Government, Industry (Bureaucrats / Technicians/Participants from Industry etc.) and staff of host institutions.