

**Commonwealth Educational Media Centre
for Asia (CEMCA)**

in collaboration with

**Andhra Pradesh Information Technology
Academy (APITA)**

presents

**BLOCKCHAIN
INTRODUCTION FOR
DEVELOPERS**

ABOUT BLOCKCHAIN

A blockchain is a permanent, sequential list of transaction records distributed over a network. Each block in the chain contains a hash of the previous block, along with a timestamp and transaction data. This makes the blockchain inherently resistant to attack or manipulation.

Blockchain technology is ideal for recording various types of transactions where data is sensitive or targeted by hackers for unauthorized duplication or other fraudulent activity. Bitcoin and other cryptocurrencies use blockchain technology to record transactions. Blockchain for business applications can include recording of contracts, medical records, monetary transactions and much more.

ABOUT THE COURSE

- **Course start date – 03rd Jan 2022**
- **Course End date – 06th Feb 2022**
- **Minimum %age for certification - 60%**
- **Number of modules - 4**
- **Total number of hours – 12**

Module	Topic
1	Databases to Web to Blockchain - (Historic journey to where we are today)
	Blockchain & its Impact
	Cryptography & Blockchain Concepts
2	Distributed Ledgers & P2P Networks
	Use Cases & Applications
	Decentralization
3	Understanding Immutability & Consensus Mechanisms
	Blockchain Classifications
	Smart Contracts & Logic Tier
4	Wallets, Currencies & Token-economics
	Other Blockchain Development Networks
	Multilayer, Middleware and Design
	d-Governance: Impact of Blockchain

HIGHLIGHTS

1. The course has 4 modules and each module has an assessment at the end of the module
2. The minimum %age for each assessment is to be 60% for students to go to next module
3. The entire course has to be completed within one month: i.e. between 03rd Jan to 06th Feb 2022
4. A qualification certificate is issued to all students who secure 60% or above in all modules and complete the same in one month. The certificate is issued jointly by CEMCA and APITA.

PARTICIPANTS

This course is specific for engineering students from all streams (2nd year to 4th Year). Students from MBA, Commerce, Science and Economic background can attend too.

FEES

- The course is on MOOCIT Platform (Massive Open Online Course)
- No fees will be charged

PEDAGOGY







- Lectures
- Presentation
- Case Study
- Assignment
- Assessment

REGISTRATION

To register, Please go to

<https://www.mooc4dev.org/blockchain1>

POINT-OF-CONTACT

Commonwealth Educational Media Centre for Asia (CEMCA)	Mr. Saurabh Mishra  saurabhmishra@col.org  +91-8603374772
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Blockchain Mentor	Mr. JP Mishra  jpmishra1010@gmail.com  +91-7906362863

RESOURCE PERSON



Jeeven Saini

Jeeven is an Intrapreneur & Entrepreneur with 30+ years of experience in global IT organizations & Banks across the world. His experience includes setting up technology delivery units, delivering TCO reduction, delivering innovative business solutions, managing technology risk & security and large transformational programs for global IT organizations and Banks across India, APAC, Middle-East, Europe and North America. He is a leader with more than 4000 hours of global experience in mentoring, coaching and training covering more than 1000 professionals at different levels. Currently he is co-founder and CEO of SofocleLabs, a Blockchain EdTech company engaged in building robust end-to-end Blockchain Ecosystem.

CO-ORDINATOR



Saurabh carries a blended mix of decade long project management experience in Education, Skill and IT sector. He is presently working with Commonwealth of Learning as Programme Officer whereas his past experience is in behemoths like Ministry of Skill Development, Keane International and Subex. He comes from a background of computer science graduate from VTU, Belgaum and MBA from IIT Kharagpur.

ABOUT THE ORGANIZATIONS

Commonwealth Education Media Centre for Asia (CEMCA)

The Commonwealth Educational Media Centre for Asia (CEMCA) was established by the Commonwealth of Learning (COL) in response to needs expressed by the Commonwealth countries of the Asian region for more effective utilization of educational media resources for Distance Education. The Vision of CEMCA is to be the foremost agency in Commonwealth Asia that promotes media-enabled learning for the development and the Mission is to assist governments and institutions to expand the scale, efficiency, and quality of learning by using multiple media in open, distance and technology-enhanced learning.

Andhra Pradesh Information Technology Academy

APITA is a Society established by ITE&C Department, Government of Andhra Pradesh with an objective of promoting Industry-Academia – Government interaction, to impart training through the industry to produce readily employable graduates, to bridge the urban-rural divide in training and placements, and to enable e-literacy amongst socially and economically challenged sections of the society. It is formed to bring synergy among institutions of Government, Industry & Academia with the objective of offering quality human resources and services to the industry.