



ONLINE SHORT TERM TRAINING PROGRAMME
(Sponsored By AICTE)

“Blockchain and its Applications”
(4th – 12th October, 2021)



Organized by
UGC – HUMAN RESOURCE DEVELOPMENT CENTRE
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
KUKATPALLY, HYDERABAD, T.S.



ABOUT UGC-HRDC, JNTUH:

The UGC-Human Resource Development Centre (formerly known as UGC-Academic Staff College), Jawaharlal Nehru Technological University Hyderabad, was established in the year 2000 and sponsored by University Grants Commission, New Delhi. The UGC-Human Resource Development Centre organizes Faculty Induction Programmes, Orientation Programmes, Refresher Courses, Faculty Development Programmes, Short Term Training Programmes and Workshops on thrust areas for in-service teachers and also for newly appointed teaching faculty on a regular basis, to update the knowledge and skills in their respective fields.

During the current academic year 2021-22, a one-week AICTE sponsored Short Term Training Programme on **“BLOCKCHAIN AND ITS APPLICATIONS”** is proposed to be **organized by HRDC, JNTUH in association with the Department of IT, CVR College of Engineering, R.R. Dist., T.S., during 04-10-2021 to 12-10-2021** through ONLINE.

ABOUT CVR College of Engineering:

CVR College of Engineering was established in 2001. CVRCE is ranked among the top few of more than 600 colleges in AP and Telangana that started in the last two decades. As per NIRF ranking, CVR is in the range of 101-150. The college has been given permanent affiliation and autonomous status by JNTUH. It received UGC autonomous status for a period of six years from 2014-15 to 2019-20 and thereafter received an extension for another five years from 2020-21 onwards. CVR college is also accredited by NAAC with ‘A’ grade. The College has a clearly defined goal of evolving into a hub of academic research. College promotes research by offering research incentives to the faculty and students. CVRCE publishes "CVR Journal of Science & Technology" to disseminate the research findings of faculty and students in their interested research areas. The College is working towards mission accomplishment to serve the nation as a center for advancement, preservation, and dissemination of knowledge.

MAJOR COURSE CONTENTS:

- Blockchain Introduction, Background & History
- Elements of game theory and Cryptocurrencies
- Message Digest for Block Chain & SHA256 Hash
- Public, Private & Distributed Ledgers
- Integration of Blockchain, IoT and AI
- Future Blockchain (Hyperledger and Hashgraph)
- Applications of Blockchain, Use cases in public, finance, healthcare and governance
- *Hands on sessions* on Implementation of Bitcoin, Designing Blockchain for Record tracking & Security, Hyper ledger Fabric Architecture, Solidity – a language for smart contracts, Ethereum and Remix.

ELIGIBILITY:

- The faculty members from the departments of IT, CSE and MCA working in AICTE approved Institutions and Industry Professionals.



CHIEF PATRON
Prof. Katta Narasimha Reddy
Vice-Chancellor
JNTUH, Hyderabad

CONVENER
Dr. G.K. Viswanadh
Professor of Civil Engineering &
Director
UGC-HRDC, JNTUH, Hyderabad



COURSE COORDINATOR:

Dr. Bipin Bihari Jayasingh
Professor & Head,
Dept. of Information Technology,
CVR College of Engineering
Malgalpalli, Ibrahimpatnam
Hyderabad, T.S.



REGISTRATION FEE PARTICULARS:

- **There is No Registration fee for participation.**
- E-certificate will be issued to the participants on successful completion of the course.

HOW TO APPLY:

- The faculty members desirous to participate in the program are requested to register their details through online mode at <http://jntuhhrdc.in/delegate-registration> on or before 29th September, 2021. For further queries, please mail us at: directorhrdcjntuh@jntuh.ac.in
- Filling the online registration form is mandatory.
- A filled-in form of application duly signed by the faculty member and forwarded by the Head of the Institution and sponsorship certificate/letter of forwarding from the Head of the Institution, should be uploaded in HRDC portal on or before the last date.

SELECTION CRITERIA:

Selection will be done based on *first-come-first-serve basis*. The list of selected participants will be intimated through E-mail.

RESOURCE PERSONS: Resource Persons are drawn from different Universities, Industries, MNCs and R & D organizations

IMPORTANT DATES:

Last date for the receipt of application through online	:	29th September, 2021
Intimation of selection to the participants through e-mail	:	30th September, 2021
Course duration	:	4th to 12th October, 2021
Course Timings	:	10.00 AM to 1.15 PM & 2.00 PM to 5.15 PM

INSTRUCTIONS TO THE PARTICIPANTS FOR ONLINE COURSE:

- (1) Filling the registration form is mandatory.
- (2) Attendance for all the sessions, Completion of activities, assignments and online tests given by the Resource Persons are mandatory.
- (3) All sessions will be conducted on WebEx.
- (4) Link will be provided a day in advance.
- (5) Limited seats are available on First-Come-First-Serve basis.

ADDRESS FOR ALL CORRESPONDENCE:

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