

COURSE CONTENTS

- Introduction to Blockchain
- Use cases in public sector
- Inter-planetary file system
- Blockchain consensus protocol
- Research challenges
- Mathematical background & model
- Scalability & Interoperability
- Cryptography & blockchain
- Machine Learning, AI & blockchain
- Use case in manufacturing
- Enterprise blockchain
- Use cases in financial & health-care services
- Blockchain Platforms & applications
- Crypto Wallets & Metamask implementation
- Solidity and Smart Contract
- Development of Dapp
- Blockchain & Cybersecurity
- Blockchain IoT

SCOPE OF THE ONLINE FDP PROGRAMME

Blockchain technology is generating significant interest for wide range of applications in India. As the applications for blockchain technology grows, customizing and tailoring the technology to fit multiple use cases.

The main applications of blockchain technology are categorizing functionalities and formation of secured framework for any field of applications.

Organizations in finance, health-care, professional, and personal services in India, adopt applications of blockchain technology.

ELIGIBILITY

The Programme is open to the Faculty of AICTE approved Institutions, Research Scholars, PG Scholars, participants from Government and Industry interested persons in the field of **Blockchain technology**.

REGISTRATION

Only online Registration is offered for the FDP using the following link: <https://www.aicte-india.org/atal>.

CERTIFICATION

The Certificates shall be issued by AICTE Training and Learning (ATAL) academy to those participants who have attended the program with minimum 80% attendance and scored minimum 60% marks in the test conducted at the end of the online FDP.

IMPORTANT DATES

Course Duration : 22.11.2021 –26.11.2021

Last date (Online Registration) : 15.11.2021

Selection list by E-Mail : 18.11.2021

ADDRESS FOR CORRESPONDENCE:

COORDINATOR

Dr.I.Bhuvaneshwarri,

Assistant Professor (Senior),

Department of Information Technology,
Institute of Road and Transport Technology,
Erode 638 316,
Tamilnadu.

Mobile: 9442689006, 8637455864

Email: pbw.irtt@gmail.com

AICTE Training and Learning (ATAL)Academy



Online Five Days Faculty Development Programme (FDP)

On

Role of Blockchain Technology in India- An insight into public sector

(22nd - 26th November 2021)

Patron

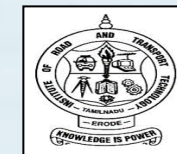
Dr.R.Murugesan
Principal, IRTT

Convener

Dr.P.Kalyani
Professor & Head /IT, IRTT

Coordinator

Dr.I.Bhuvaneshwarri
Assistant Professor (Senior)/ IT, IRTT



Organized by

Department of Information Technology
Institute of Road and Transport Technology
Erode – 638 316, Tamilnadu.

(Run by Tamil Nadu State Transport
Undertakings)

Affiliated to Anna University, Chennai.

Website: www.irttech.ac.in.

ABOUT THE INSTITUTION

The Institute Of Road and Transport Technology (IRTT) was established in the year 1984. It is under the control of Institute of Road and Transport (IRT), Taramani, Chennai, and run by Employees of State Transport Undertakings of Government of Tamilnadu. The Institute is located in a sprawling lush green campus. It provides a congenial atmosphere for Technical Education. The Institute offers 7 UG and 2 PG degree courses in Engineering & Technology. The Institute has excellent infrastructure, well-equipped laboratories, library and highly qualified faculty members. The Institute is well known for its technical excellence, modern facilities, good performance track record and resourcefulness.

ATAL ACADEMY

AICTE Training and Learning (ATAL) Academy is established with a vision "To empower faculty to achieve goals of Higher Education such as access, equity and quality". AICTE is committed for the development of quality technical education in the country by initiating various schemes launched by Govt. of India, Ministry of Human Resource Development. Training the younger generation and having trained faculty and technicians in their respective field is the unavoidable survival need of day strongly underlined by AICTE. Imparting training to

the faculty and students is important for the overall development of increasing knowledge and skills and particularly for making students more employable by acquiring global competencies.

ABOUT THE DEPARTMENT

Department of Information Technology started in the year 2002 offers B.Tech., Programme in Information Technology. The department aims at developing intellectually alert, scientifically progressive, globally competent and dynamic young IT professionals. In the e-world the role of Information Technology has come into sharp focus. In fact the advances made in this field have redefined the way we live and work. To cope with the rapid changes modern day engineers need to mould them constantly. Information Technology department has faculty members specializing in the area of Data science, Network security, Big data analytics, Cloud computing, Sensor networks, Web technology and Mobile adhoc networks etc., Our staff members keep themselves wired to the world by attending seminars and workshops. Further, the department is well equipped with state of art infrastructure.

RESOURCE PERSON

Resource Persons from Government Organizations, NITs, Reputed Institutions and Industry with rich experience in Teaching, Research

and Laboratory development will be handling the sessions.

ORGANIZING COMMITTEE

Dr. S.Mohanasundaram, AP (Sr.)/IT, IRTT

Mrs. M.Sathyakala, AP/IT, IRTT

Dr. M.N.Sudha, AP/IT, IRTT

Dr.R.Anurekha, AP/IT, IRTT

Dr.K.Murugan, AP/IT, IRTT

REGISTRATION NORMS

- There is No Registration Fee.
- Not more than 30% of the participants from the host Institution.
- Participants will be selected on first come first basis.
- Total number of participants for the program is 200.
- Only online Registration.

FOR TECHNICAL CLARIFICATIONS CONTACT

Dr.P.Thangavel,

AP (Sr.)/IT, IRTT, Erode.

Mobile : 9698622666

Email: thangsirtt@gmail.com.