NIELIT

National Institute of Electronics and Information Technology

(An ISO 9001:2015 certified Organization)
Ministry of Electronics and Information Technology
Government of India

Online Course Prospectus

Blockchain Technology

Course Description

This course is designed to take you through the basics of Blockchain Technology, and is intended for students who are looking to build a solid foundation in understanding Blockchain. We offer context for blockchain, and unpack the ideas that will open up the most important opportunities around this new technology

Click Here to Register

OR

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Who can attend?

This course is designed for beginners, fresh graduates who are passionate to make career in the field of Blockchain Development.

Course Content

- ✓ Introduction to Blockchain Technology and its Importance
- ✓ Blockchain – Fundamentals, Evolution-History & Application Areas
- ✓ Blockchain vs Bitcoin
- ✓ Cryptographic Hash, Digital Signature, Public-Private key & Digital Certificates
- ✓ Blocks Transactions, DLT, Proof of Work, Proof of Stake & Consensus
- ✓ Introduction to Bitcoin & Crypto Mining
- ✓ Understanding Python to building a customized, Blockchain and using in Distributed Environment
- ✓ What is Ethereum and Blockchain 2.0
- ✓ Solidity Language, Data types, Functions, Hash Functions, Mappings
- ✓ Decentralized Applications – DApps

Prerequisite

Basic knowledge of Any Programming language.

Duration

- ❖ 4 Weeks (without project) / 6 Weeks (with project)

The internship/industrial training programme includes about 40 Hrs of intensive interactive instructor-led online sessions and about 60 Hrs of practical assignments that student can perform at their end. In some training programmes, the facility of virtual lab can also be extended subject to availability. The six weeks programme includes two weeks (20 Hrs.) of project that student is required to develop and a presentation is to be made by student (in Online mode) to the faculty.

Certificate

E-certificate will be issued to each participant after completion of the training. Participant needs to maintain minimum 75% attendance during the online classes and is required to score minimum 50% marks in the online test in order to successfully complete the course.

Minimum Requirements

✓ Attendees must have a computer system with a good Internet connection.

How to Apply

Interested candidates may apply online on the link: http://nielit.gov.in/haridwar/content/online-courses after submitting the Course Fee in following account

Name	**:**	NIELIT Haridwar
Account Number	**:**	12922122001331
IFSC Code	**:**	PUNB0129210
Bank Name	**:**	Punjab National Bank
Branch	**:**	Pentagon Mall, SIDCUL, Haridwar

NOTE: Copy of transaction slip is required to be uploaded at the time of filling online form. Candidate may keep a copy of the same for future reference.

Terms and Conditions

1. In case, any registered candidate could not attend the online session due to technical issue at their side there will not be any refund of the course fee and the sessions will not be repeated.

2. In case, the online course is cancelled/postponed due to some technical issue at NIELIT side and new date is not convenient to the candidate, our liability is limited to the refund of the coursefee and NIELIT shall not be responsible for any consequential damages.

Course Coordinator

Mr. Kailash Chandra Joshi
Ph: 8171627088
Email : haridwar@nielit.gov.in

Faculty

Mr. Rajat Singh Chandrol

Qualification- B.Tech (CS)

NIELIT Haridwar is the Regional Centre of NIELIT in the state of Uttarakhand and is situated in SIDCUL Haridwar. It is well known for the advanced training programmes in the areas of FutureSkills such as**Android Application Development, Cloud Computing, Machine Learning, Artificial Intelligence, Internet of Things, MATLAB, Big Data, Embedded Systems etc** in addition to the various National Skill Qualification Framework (NSQF) aligned long-term and short-term courses in Electronics & Information Technology. The Centre has **MOUs** with various prestigious institutions and Universities of Uttarakhand for academic collaboration, technical support, summer/industrial training and internships of the students. The Centre provides a conducive learning environment with the state-of-the-art infrastructure and expert faculties.

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