

*AICTE - Training & Learning  
(ATAL) Academy  
Sponsored Program on  
**Blockchain Technology**  
2<sup>nd</sup>-6<sup>th</sup> September, 2019*



**Venue - NPTI (Eastern Region), Durgapaur (W.B.)**

**Organised By  
NATIONAL POWER TRAINING INSTITUTE  
( EASTERN REGION)**

**A National Apex Body for Training in Power Sector  
(An ISO 9001:2015 & 14001:2015 Organization)**

**Ministry of Power, Government of India**

**City Centre, Durgapur-713216 , Distt- Paschim Burdwan(W.B.)**

**[www.npti.gov.in](http://www.npti.gov.in)**

## **About NPTI:**

National Power Training Institute (NPTI) an ISO 9001 & ISO 14001 organization under Ministry of Power, Govt. of India, is a National Apex body for Training and HRD in Power Sector with its Corporate Office at Faridabad. NPTI is the world's leading integrated power training institute and it is operating on an all India basis through its regionally located Institutes at Faridabad, Badarpur, Nangal, Bengaluru, Neyveli, Durgapur, Guwahati and Nagpur. NPTI is establishing two new institutes at Alappuzha (Kerala) and Shivpuri (MP) which would be operational shortly. NPTI has more than 50 years of professional expertise in the field of training and HRD in Power sector with industry specific interface.

**Program Overview:** The widespread popularity of digital crypto currencies has led the foundation of Blockchain, which is fundamentally a public ledger to share information in trustworthy and secure way. Blockchain technology is an emerging technology suitable for decentralized and transactional sharing of data across a large network of untrusted participants. By using this technology one can maintain continuously-growing list of records called blocks and link them in a distributed manner (Blockchain), potentially in such a way that these are secured against tampering. Blockchain is maintained as distributed database of records of transactions (Distributed Ledger).

This technology allows new type of distributed software architecture where components can establish trust by finding concurrence on their shared states. Blockchain have good potential to transform the logging and management of transactions in different application areas. Considering the growing importance of Blockchain Technology and its potential in different sectors, this Five day training program is planned and sessions would be delivered by experts from the Industry.

**Target Audience:** Faculty members and PhD research scholars of AICTE affiliated educational institutions are eligible to participate. There is no registration fees for the course and maximum 50 participants will be allowed to register. Participants will be provided only tea/ working lunch during the course. No TA/DA will be given to any participants and they have to make their own arrangements for stay.

**All correspondence should be addressed to:**

**S.K. SRIVASTAVA  
DIRECTOR**

**National Power Training Institute ( Eastern Region)  
City Centre, Durgapur-713216 , Distt- Paschim Burdwan (W.B.)  
Tel: 0343 -2546237, Fax: 0343 - 2545888, email: durgapur.nptier@gmail.com**

**For further Information please contact ATAL Course Coordinator  
Dr. C. Bhattacharya, Deputy Director  
Email: cbhattacharya.npti@gov.in, Mobile: 9474546284**

**For more details about AICTE-ATAL Academy please visit  
[www.aicte-india.org/atal](http://www.aicte-india.org/atal)**

**(National Power Training Institute - Eastern Region, Durgapur)**  
**Title of the Workshop: Blockchain Technology**  
**From 02/09/2019 To 6/09/2019**

**PRE-REQUISITES**

- Cryptography Techniques
- Data Structures and Algorithms
- Introduction to Programming

Dates	10:00 AM to 11:30 AM	11:30 AM to 12.00 PM	12.00 PM to 1.30 PM	1.30 PM to 2:30 PM	2:30 PM to 4.00 PM	4:15 PM to 4:45 PM
02/09/2019	Registration and Inauguration	High Tea	Session 1 Introduction to Blockchain	Lunch	Session 2 Smart Contracts and Ledgers, Ethereum framework	Tea
03/09/2019	Session 3 Cryptocurrency - Concepts & Applications	Tea	Session 4 Integration of Blockchain & Cryptocurrency	Lunch	Session 5 Lab/Hands on Exp.	Tea
04/09/2019	Session 6 BITCOIN & Mining	Tea	Session 7 Blockchain for Enterprises	Lunch	Session 8 Lab/Hands on Exp.	Tea
05/09/2019	Session 9 Developing Blockchain (ledgers, contracts etc.)	Tea	Session 10 Developing Blockchain Contd.	Lunch	Session 11 Lab/Hands on Exp.	Tea
06/09/2019	Session 12 Blockchain - Case Study	Tea	Session 13 Case Study Contd.	Lunch	Session 14 Open Discussion	Valediction



राष्ट्रीय विद्युत प्रशिक्षण प्रतिष्ठान (पूर्वी क्षेत्र)

National Power Training Institute(ER)  
(विद्युत मंत्रालय , भारत सरकार के अधीन )

दुर्गापुर-713216 ( पश्चिम बंगाल) Durgapur-713216 (West Bengal)



(Photograph)  
If available

**PROGRAM REGISTRATION FORM**

**(ATAL) Academy  
Sponsored Program on  
Block Chain Technology**

***PARTICIPATION LIMITED TO FIRST 50 PARTICIPANTS ONLY on confirmed Registration***

**[LAST DATE OF RECEIVING APPLICATION: 20.08.2019]**

**PROFESSION LEVEL: .Faculty/ PhD Research Scholar /Research Fellow ( Pl tick one)**

This application should be completed in **BLACK** in order to be easily copied or e-mailed

**Please send the scanned copy through email to: *durgapur.nptier@gmail.com***

**SENDING INSTITUTION/ORGANISATION DETAIL**

Name and full address: .....  
.....(contact no.).....

Participant's Dept IC - Name, .designation.: ..... (Signature with stamp)

Program Name : **Block chain Technology** Duration : **02- 06.09.2019 (5 days)** Venue:**NPTI-ER**

**PARTICIPANT'S PERSONAL DATA (to be completed by the participants registering in CAPITAL LETTERS only)**

Name: .....	Hostel Accommodation to be availed (Yes / No). Please deposit 5 days charges If yes, DD/NEFT/IMPS (ref no./date): .....
Sex: M/F.....	
UID No (Aadhaar/ Voter ID): .....	(For shared room Hostel 2 (Attached Toilet) Rs. 125/- per day / per bed / Executive Hostel (AC) Rs. 350/- per day / per bed at NPTI-ER) ** Accommodation is provided subject to availability of rooms & food charges are at actual rates of canteen of NPTI-ER
Current address: .....	
Mbl: .....	Signature of participant & date: .....
E-mail: .....	.....
<b>(confirmation will be emailed to participant by 23.08.2019)</b>	

**Verification**

Entered in ATAL program register:

Date signature of Training Cell Program Coordinator

FOR QUARIES CONTACT:

(Dr. C.Bhattacharya) : Program Coordinator –ATAL Block chain Technology  
(m):9474546284/ e-mail:cbhattacharya.npti@gov.in

**Non- Residential Course Fee: NIL (Includes working lunch, tea, coffee, snacks and registration kit)**