ABOUT NIT
National Institute of Technology (formerly known as Regional Engineering College) Tiruchirappalli, is one among the premier Institutions of India and is well known for its high standards in teaching and research. It offers 10 undergraduate and 23 postgraduate programs in disciplines spanning engineering, science, architecture and management. It has been declared as an Institute of National Importance by the Government of India under NIT Act. The college has been conferred with autonomy in financial and administrative matters to achieve rapid development. Because of this rich experience, this institution was granted Deemed University Status with the approval of the UGC/AICTE and Govt. of India in 2003 and renamed as National Institute of Technology. According to the Ministry of Human Resources Development, NIT Tiruchirappalli retained its No.1 position among all NITs, 5th year in a row in the “India Rankings 2020” released by NIRF. NIT Tiruchirappalli moved to 9th Rank in Engineering. The Institute has signed MoUs with various Industries and Institutions both in India as well as in abroad to promote collaborative research and consultancy.

AICTE – TEACHING AND LEARNING ACADEMY
AICTE - All India Council for Technical Education was established in 1945 by Government of India. The AICTE – Teaching and Learning Academy (ATAL) aims to plan and help in imparting quality technical education in the country and to support technical institutions in fostering research, innovation and entrepreneurship through training in various emerging areas. This academy aims at inculcating the drive for research and knowledge enhancement among the faculty members, research scholars, PG scholars, and Industry personnel.

OBJECTIVE OF THE COURSE
Objective of this Faculty Development Program is to disseminate the knowledge of cryptology to faculty members, research scholars, UG and PG students.

COURSE COORDINATOR
Dr. Kunwar Singh
Department of CSE,
National Institute of Technology,
Tiruchirappalli,
Tamil Nadu – 620015

A one week online
AICTE Training & Learning Academy (ATAL) sponsored
Faculty Development Program
on
Introduction to Cryptology
24th – 28th November, 2021

Organized by
Department of CSE
National Institute of Technology
Tiruchirappalli,
Tamil Nadu – 620015.
ABOUT THE DEPARTMENT

The Department of Computer Science and Engineering established in the year 1983. The vision of the department is to produce Creators of Innovative Technology. The Department of Computer Science and Engineering with its cohesive team of faculty members, offers a sound program for B.Tech., M.Tech., M.S. and Ph.D. The curriculum is updated regularly to keep up with the growing demands and the changing trends of the software industry and research laboratories. Government of India has recognized this Department as a Centre for Quality Improvement Programme in PG and Ph.D. courses.

RESOURCE PERSONS

The resource persons are arranged from reputed institutions like NITs, IITs and other renowned institutions.

COURSE CONTENT

- Mathematical Foundation for cryptography
- Classical Cryptography
- Block Cipher and Stream Cipher
- MAC
- Hash Function
- Public Key Cryptography, RSA, ElGamal Cryptosystem
- ECC
- Digital Signature
- RSA Signature, Schnorre Signature,
- ECDSA
- Blockchain, Bitcoin

TARGET AUDIENCE

Faculties of engineering colleges, research scholar, M.Tech and B.Tech students.

REGISTRATION

The interested applicants are directed to refer to the following website for registration, https://www.aicte-india.org/atal

Step by step registration procedure is explained in Page 3 to 5 of this brochure

COMMUNICATION

Email: cryptoworkshopnit@gmail.com
Phone No: 8940966379

A one week online
AICTE Training & Learning Academy (ATAL) sponsored Faculty Development Program
on
Introduction to Cryptology
24th – 28th November, 2021
A one week online
AICTE Training & Learning Academy (ATAL) sponsored
Faculty Development Program on
Introduction to
Cryptology
24th – 28th November, 2021

STEP BY STEP REGISTRATION PROCEDURE

Step 1: click https://www.aicte-india.org/atal

Step 2: Click Participant registration for new FDP 2021 – 2022 (https://atalacademy.aicte-india.org/signup)
Step 3: Enter your details in the participants portal
Step 4: Click "Workshops". Select state as **Tamil Nadu**, month as **November**, Thrust area as **Thrust Areas** and choose **online mode**. Select the workshop title "**Introduction of Cryptology**" and submit the same.