

ABOUT THE UNIVERSITY

Delhi Technological University (formerly Delhi College of Engineering) is a key node in national and global knowledge network, thus empowering India with the wings of knowledge and power of innovation. Established in 1941 by Government of India, erstwhile DCE now DTU is one of the premier Institution of Engineering and Technology education in India. It has played unique and important roles in the advancement of Technical education in the country.

ABOUT THE DEPARTMENT

The aim of the Department of Applied Mathematics is to pursue excellence in Mathematics through teaching and research. The research output of the Department speaks clearly for the quality of work. The department offers UG, PG and Ph.D. programmes.

The students are being enriched with in-depth theoretical background and practical training in Numerical Computing, Operations Research, Computer Science and Mathematical finance by a team of committed faculty members from the disciplines of Pure Mathematics, Applied Mathematics, Computer Engineering, Information technology and Economics. Faculty members of the department have been regularly contributing towards International and National journals along with Proceedings of National and International Conferences. The Department regularly organizes seminars, workshops and training programs to keep pace with the new developments and recent trends in relevant technologies.

Chief Patron

Prof. Yogesh Singh,
Vice Chancellor

Patron

Prof. S.K. Garg,
Pro-Vice Chancellor

Chairman

Prof. Sangita Kansal,
HOD, Department of Applied Mathematics

Course Coordinator

Dr. Aditya Kaushik,
Associate Professor,
Department of Applied Mathematics, DTU

Course Co-ordinators

Mr. Anshul Arora, Assistant Professor
Mr. Dharendra Kumar, Assistant Professor
Ms. Sumedha Seniaray, Assistant Professor,
Department of Applied Mathematics, DTU

VENUE

Department of Applied Mathematics, DTU

IMPORTANT DATES

Last date of Registration: 05/11/2019
Intimation of Confirmation: 10/11/2019

FOR ANY QUERIES, CONTACT

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Mr. Anshul Arora – 9557020507
Mr. Dharendra Kumar – 8826916336
Ms. Sumedha Seniaray -9868598114
Email Id – dtu.sttp.sac@gmail.com

TEQIP III SPONSORED

**ONE WEEK SHORT TERM TRAINING
PROGRAM**

ON

**RECENT TRENDS IN SECURITY AND
CRYPTOGRAPHY**

November 18 – 22, 2019



Organized by

**DEPARTMENT OF APPLIED
MATHEMATICS
DELHI TECHNOLOGICAL UNIVERSITY
BAWANA ROAD,
SHAHBAD, DAULATPUR,
NEW DELHI—110042, INDIA**

ABOUT THE PROGRAM

Cyber Security is becoming increasingly important in today's networked world because of the various attacks that pose severe threats like data loss, phishing, identity theft, financial loss, and system damage. The purpose of this program is to provide in-depth knowledge and skills to build effective detection mechanisms against such attacks, and guide the participants for possible future research directions in this field.

OBJECTIVES OF THE PROGRAM

1. To introduce the basic concepts and the recent advancements in the field of security, cryptography, system attacks and defences against them.
2. To illustrate the intrusion and phishing attacks on the systems, and the strategies required to prevent such attacks.
3. To discuss various types of threats posed by malware on smartphones and the mechanisms required to detect smartphone malware.
4. To acquire knowledge on implementation details of cryptographic protocols that provide confidentiality, integrity and authenticity.
5. To understand security analysis of blockchain.

PROGRAM CONTENT

The content includes theory and practical aspects of following topics:

- > Cloud / IoT Security
- > Smartphone Security
- > Blockchain
- > Data Mining Security
- > IDS and Network Traffic Analysis
- > Phishing Attacks
- > Cryptographic Protocols

PROGRAM OUTCOMES

After the course completion, the participants will be able to:

1. Understand several attack methodologies and the threats posed by them on the systems and the smartphones.
2. Identify whether their system / smartphone is infected with any malware.
3. Get the hands-on experience to practically understand the various types of attacks and to design the security solutions against them.
4. Be guided with future research directions in the area of security.

PARTICIPATION

The program is open to the faculty members, research scholars, P.G. and U.G. students, who wish to enhance their skills in the Security domain. The interested candidates should fill the form given on the brochure, and mail the scanned copy of the duly filled application form approved by competent authority on/before 5th November, 2019 to dtu.sttp.sac@gmail.com. Moreover, the participants also need to fill the details at "<https://docs.google.com/forms/d/1yQuheSF1ME NET9oyeAEU9wRn9eqKxlyKlCg8OumrzRw/>". Confirmation of participants would be intimated through email by 10th November, 2019. The selected participants also need to submit the form in original at the time of registration for STTP on 18th November 2019.

There is no registration fee and no TA/DA will be paid to the participants.

REGISTRATION FORM TEQIP III Sponsored One Week Short Term Training Program

On

Recent Trends in Security and Cryptography

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**DEPARTMENT OF APPLIED
MATHEMATICS, DTU**
November 18-22, 2019

Name:.....

Designation:.....

Organization:.....

Professional Field:

Mailing Address:.....

.....

E-mail Address:.....

Mobile No. :.....

Date

Signature of the applicant

Note: The application is hereby should be recommended and applicant is permitted to attend the program. Signature of the Head of the Department / Organization.

Signature and Seal of Head of Institution