

## Registration For

One Week Online NITTTR Chandigarh  
and  
ACM@USICT Chapter, GGSIP University  
Sponsored STTP

## Cyber Security & Forensics

Designation: \_\_\_\_\_

Name: \_\_\_\_\_

Organization: \_\_\_\_\_

Affiliating University: \_\_\_\_\_

Qualification: \_\_\_\_\_

Teaching experience: \_\_\_\_\_

Area of specialization: \_\_\_\_\_

Address for correspondence: \_\_\_\_\_

Telephone/ Mobile No.: \_\_\_\_\_

E-mail: \_\_\_\_\_

Signature of candidate

The candidate will be permitted to attend the above course, if selected.

Signature & Seal of  
Sponsoring authority

Date: \_\_\_\_\_

Online Google Form Registration URL :  
<https://forms.gle/aKCQZcRp496NU7c26>

Filled Registration form can be sent to  
[cyber@nitttrchd.ac.in](mailto:cyber@nitttrchd.ac.in) & [cyber@ipu.ac.in](mailto:cyber@ipu.ac.in)

## Participation

Non-Residential, Online STTP (Short Term Training Programme (STTP)) is open to full time regular/permanent teachers and research scholars of AICTE/UGC recognized degree level engineering colleges / institutions / organizations, technical universities/deemed universities and other research/training institutions. The interested candidates are required to send the duly filled-in registration form forwarded by the competent authority to the Course Coordinator at the earliest but not later than 1<sup>st</sup> March 2021. The list of selected candidates will be displayed on GGSIPU website and NITTTR Website on/before 4<sup>th</sup> March 2021. The selection is on first come first served basis depending upon the availability of the seats.

## Organizing Committee

Prof Maitryee Dutta  
Dr. Rahul Johari  
Mr Saurabh Kaushal  
Dr. Anuradha Chug

## ACM@USICT Team

Mr Gaurav Jain, Chair  
Mr Vardaan Grover, Vice Chair  
Mr Akshad Bhandula, Secretary  
Mr Divyansh Rastogi, Jt. Secretary  
Mr Chaitan Dev, Treasurer  
Mr Anmol Goel, Web Chair

## NITTTR @Cyber Team

Vipul Mandhar, Project Assistant  
Shweta Sharma, Technical Assistant



One Week Online NITTTR  
Chandigarh and ACM@USICT  
Chapter, GGSIP University  
sponsored STTP  
Programme

on  
Cyber Security  
&  
Forensics

08<sup>th</sup> - 12<sup>th</sup> March, 2021

Patron

**Prof. Mahesh Verma**  
Vice Chancellor, GGSIP University

Advisor

**Shri Ravi Dadhich**  
Registrar, GGSIP University

Dean, USIC&T

**Prof. Pravin Chandra**  
Dean, USIC&T, GGSIP University

Course coordinator

Prof Maitreyee Dutta  
NITTTR Chandigarh  
Dr Rahul Johari  
GGSIP University

## Objective of the Course

The proposed STTP is designed to offer a unique opportunity to the participants to interact with the prominent experts from Industry, faculty from premier Academic institutions, and distinguished practitioners working in the area of Cyber Security. Lectures will be delivered by eminent experts, having rich teaching and industrial experience in their respective field of application and hence will provide deeper insight and knowledge to the participants about the advances in the fields of Cyber Security. The primary target group for the STTP are teachers of Colleges, University Department, Academic Institutions, Research Scholars, UG and PG students who are engaged in research (or) planning to undertake research and industry personnel.

## Course Contents

- Introduction to Cyber Crime
- Cryptographic Techniques/Algorithms
- Social Engineering: The Gentleman Thief
- Web Server Fingerprinting and Sniffing
- BlockChain Technology
- Datamining Techniques for IDS
- Computer Forensics
- Smartphone Forensics
- Write Blocker and Cloning Devices Using True Imager
- Forensic Analysis using Cyber Check Suite
- Windows Live Forensic using Win Lift
- Datamining techniques in IDS
- Face recognition: A potential Biometric

## Resource Persons

Faculty and Experts from Ministry of Electronics and Information Technology, NITTTR Chandigarh and GGSIPU, Delhi

## About GGSIPU and USICT

Guru Gobind Singh Indraprastha University (GGSIPU) is the first University established in 1998 by the Govt. of NCT of Delhi under the provisions of Guru Gobind Singh Indraprastha University Act, 1998 read with its Amendment in 1999. The University is recognized by University Grants Commission (UGC), India under section 12B of UGC Act. It is a teaching and affiliating University with the explicit objective of facilitating and promoting “studies, research and extension work in emerging areas of higher education with focus on professional education”.

The University School of Information, Communication & Technology has been established to design and implement courses with a twin objective of generating effective professionals and to keep pace with the R & D activities of this fast emerging and changing field of Information & Communication Technology. The school aims at inculcating essential skills as demanded by the global software industry, through the interactive learning process. This includes team-building skills, audio-visual presentations and personality development Programmes.

## ACM@ USICT Chapter

ACM Student Chapter, USICT is an official student body incepted in 2019 under the University School USICT, GGSIPU. The chapter will conduct events including programming contests, talks by renowned speakers, workshops etc. which give the students an exposure to the competitive computing world as well as allow them to understand the advancements going on in the computing sphere worldwide.

For more information : <https://usict.acm.org/>

## About NITTTR Chandigarh

In realization of the need for training better quality technicians to meet the large scale industrialization of the country, the ministry of Human Resource Development (the then Ministry of Education), Government of India established four Regional Technical Teachers' Training Institutes (now National Institute of Technical Teachers Training & Research, NITTTR at Bhopal, Chandigarh, Chennai and Kolkata in 1967. The Institute at Chandigarh is one of these four NITTTRs, started in collaboration with Royal Netherlands Government (upto 1974). It was designed to meet the requirements of developing polytechnic education in the northern region covering the states of Jammu and Kashmir, Himachal Pradesh, Punjab, Haryana, Rajasthan, Uttar Pradesh, Uttarakhand, Delhi and Union Territory of Chandigarh. The Institute is registered under the Societies Registration Act, 1860 and is managed by a Board of Governors.

## Important Dates

Last date for receiving Applications : 01/03/2021  
Notification about Selection of Participants: 04/03/2021  
Commencement of course : 08/03/2021

## Address for Correspondence

Prof Maitryee Dutta, Course Coordinator  
NITTTR Chandigarh  
Dr Rahul Johari, Course Coordinator  
GGSIP University  
E-mail: [rahul@ipu.ac.in](mailto:rahul@ipu.ac.in); [cyber@ipu.ac.in](mailto:cyber@ipu.ac.in)  
E-mail: [cyber@nitttrchd.ac.in](mailto:cyber@nitttrchd.ac.in)

**[PROPOSED LECTURE PLAN FOR SHORT TERM TRAINING PROGRAMME : MARCH 2021]**

SEESSION TIMINGS	Monday, 8 <sup>th</sup> March 2021	Tuesday, 9 <sup>th</sup> March 2021	Wednesday, 10 <sup>th</sup> March 2021	Thursday, 11 <sup>th</sup> March 2021	Friday, 12 <sup>th</sup> March 2021
9:30 am to 11:00 am	Inauguration Ceremony By Hon'ble Vice Chancellor, Registrar, Dean, USIC&T Prof Maitryee Datta, NITTTR Chandigarh	Cyber Security using Cross Language Cipher Technique [Hands on Simulation using Java Cryptography Architecture] Dr. Rahul Johari, USIC&T, GGSIPU	Empirical research in Software Security By Prof. Arvinder Kaur, USIC&T, GGSIPU	Android App Analytics-I  By Mr. Gaurav Kumar, NITTTR, Chandigarh	Financial Fraud Detection By Prof Anurag Jain  USIC&T, GGSIPU
11:00 am to 11:30 am	TEA BREAK				
11:30 am to 1:00 pm	Introduction to Cyber Security By Dr. Omveer Singh, Scientist F, MEITY	Face recognition: A potential Biometric. By Dr. Jyotsna Yadav, USIC&T, GGSIPU	Data Mining Techniques in Intrusion Detection By Dr. Anuradha Chug USIC&T, GGSIPU	Write Blocker and Cloning Devices Using True Imager By Mr. Vipul Mandhar NITTTR, Chandigarh	Windows Live Forensic using Win Lift-I By Ms. Shweta Sharma  NITTTR, Chandigarh
1: 00 pm to 2:30 pm	LUNCH BREAK				
2:30 pm to 4:00 pm	Social Engineering: The Gentleman Thief By Mr. Saurabh Kaushal, NITTTR, Chandigarh	Computer Forensics  By Dr. Omveer Singh, Scientist F, MEITY	Smartphone Forensics By Dr. Omveer Singh, Scientist F, MEITY	Forensic Analysis using Cyber Check Suite By Mr. Vipul Mandhar NITTTR, Chandigarh	Online Assessment Feedback and Valedictory Ceremony

**[NOTE : 80% Attendance + 60% Marks in Online Assessment for the award of Certificate]**