

Date: 12.12.2024

To,
The Chief Secretary (Shri Sudhansh Pant, IAS)
Government of Rajasthan.

Subject: Post Graduate Diploma in Cyber Security to be offered from Tata Institute of Social Sciences, School of Skill Education, in collaboration with Uttar Pradesh State Institute of Forensic Sciences

Dear Shri Sudhansh Pant, IAS,

Greetings from Tata Institute of Social Sciences (TISS).

Tata Institute of Social Sciences is a deemed to be University under Section 3 of the UGC Act 1956, and a grant-in-aid Institute under Ministry of Education, Government of India.

The School of Skill Education was set up to offer Under Graduate, Post Graduate Diploma and Diploma programmes across skill sectors working with industries as knowledge partners for skill training. The School facilitates in upskilling the youth, thereby, subsequently, accelerating the economy of the nation and meeting the vision of our Hon'ble Prime Minister for **Skilling India**. Please find attached Brochure of the School of Skill Education.

The School of Skill Education has launched a '**Post Graduate Diploma in Cyber Security**' which is a joint teaching program with Uttar Pradesh State Institute of Forensic Sciences (UPSIFS), Dept. of Home Affairs, Government of Uttar Pradesh, Lucknow. This is a specialized program that equips students with the knowledge and skills to identify, prevent and respond to cyber threats. The Programme covers topics, such as, network security, cryptography, ethical hacking, cybercrime investigations and risk management. Attached is the Brochure of Cyber Security program.

We request you to kindly circulate this information to the various departments under the Ministry of Education (MoE), Government of India, to nominate the In-service officials who would like to pursue this program to further enhance their functional proficiency.

Thanking you,

Regards,



(Prof. Manoj Kumar Tiwari)
Vice Chancellor

POST GRADUATE DIPLOMA IN CYBER SECURITY

(Joint teaching programme by TISS, School of Skill Education, Mumbai and Uttar Pradesh State Institute of Forensic Sciences, Lucknow)

Introduction of the Sector

In today's digital era Information and Communication Technology have become one of the basic requirements of society. It is difficult to think of any events without the use of digital devices. IT-ITeS sector includes IT services, engineering design, R & D services, BPO services. IT includes a wide variety of operations that uses information technology to improve the efficiency of any organization. IT



enabled services are delivered over telecom or data network to a range of external business areas. The changing economic and business conditions, rapid technological innovation, the proliferation of the internet and globalization are creating an increasingly competitive environment. The role of technology has evolved from supporting corporations to transforming them. All these factors have made IT-ITeS a competent vertical among others.

Programme Introduction

Cybersecurity is an increasingly important field in our interconnected world, with the rise of digitalization and the internet of things. Cyber-attacks can have severe consequences, including data breaches, financial losses, and reputational damage. It is essential to have robust cybersecurity measures in place to protect against these threats. Implementing a cybersecurity program can help to reduce the risks of cyber-attacks and safeguard valuable data and information.

The Post Graduate Diploma in Cyber Security is a one-year full time post graduate program, which is a joint teaching program offered by TISS, School of Skill Education and Uttar Pradesh State Institute of Forensic Sciences (UPSIFS), Lucknow

This is a specialized program that equips students with the knowledge and skills to identify, prevent, and respond to cyber threats. The program covers many topics, including network security, cryptography, ethical hacking, cybercrime investigations, and risk management.

In this joint teaching program, the Semester I will be conducted at TISS, Mumbai campus and semester II will be conducted at (UPSIFS), Lucknow

Eligibility for Admission

Bachelor's degree in Computer Sciences, Information Technology (BE / B-Tech in IT / CS , BSc - IT, BCA) or any other Bachelor's degree with programming knowledge. In addition in-service personnel from Police, Defence, Paramilitary forces and related units with basic knowledge of programming can apply.

Career Prospects/Job Role

Post Graduate Diploma in Cyber Security can help individuals pursue careers in the Cyber security field, including positions such as Cyber security Analyst, Information Security Consultant, Network Security Engineer, Cyber security Specialist in the field of Computer forensics and Data Security.

Semester-wise Listing of Courses

Semester I		
Course Code	Course Name	Credits
PGCS101	Information Technology and Basics of Networking	2
PGCS102	Programming Language	3
PGCS103	Cyber Security and Security Architecture	3
PGCS104	Cyber Law	3
PGCS105	Emerging Technologies and Trends	3
PGCSST1	Skill Training	10

Semester II		
Course Code	Course Name	Credits
PGCS201	Industrial Control System and Security	3
PGCS202	Contemporary Cyber Threats and Mitigation	3
PGCS203	Governance, Risk and Compliance	2
PGCS204	Digital Forensics and Incident Response	2
PGCS205	Capstone Project	4
PGCSST2	Skill Training	10

Programme fees: Rs.1,60,000/-per annum

Examination fees: Rs. 5000/- per annum

Caution Deposit (Refundable): Rs.5000/-

Note - All other additional expenses like travel, accommodation, food will be borne by the students only.