

IIT KANPUR
Indian Institute of Technology, Kanpur



Become a Cyber Security Expert

Win the Cyber War

Advanced Certification Program in
Cyber Security and Cyber Defense

A photograph of a modern, multi-story building with a light beige facade and large glass windows. The building is identified as the 'C3i Center' by a large, white, three-dimensional sign mounted on the exterior wall. To the left of the sign is a small square plaque with the IIT Kanpur logo, and to the right is a larger square plaque with the IIT Kanpur seal. The building is set against a clear sky.

C3i Center

Cohort starts in February 2020

| Index

What's inside?

Overview	-----	3
Faculty	-----	5
Curriculum	-----	6
Eligibility	-----	7
Fee	-----	7
Contact	-----	8





Build world-class expertise in Cyber Security

IIT Kanpur, in association with TalentSprint has designed an Advanced Certification Program in Cyber Security and Cyber Defense for current and aspiring professionals who are keen to explore and exploit the latest trends in Cyber Security Technologies. A combination of deep academic rigor and intense practical approach will allow participants to master in-demand skills and build world class expertise.



IITK C3i Advantage

Experience C3i, India's leading Cyber Security research center at IIT Kanpur



Master Mentors

Learn from experts globally recognized for contribution to Cyber Security and Cyber Defense



Experiential Learning

Master state-of-art skills by combining deep formal rigor and intense practical approach



Global Certification

Get certified by IIT Kanpur, a global trailblazer in Computer Science Research and Education



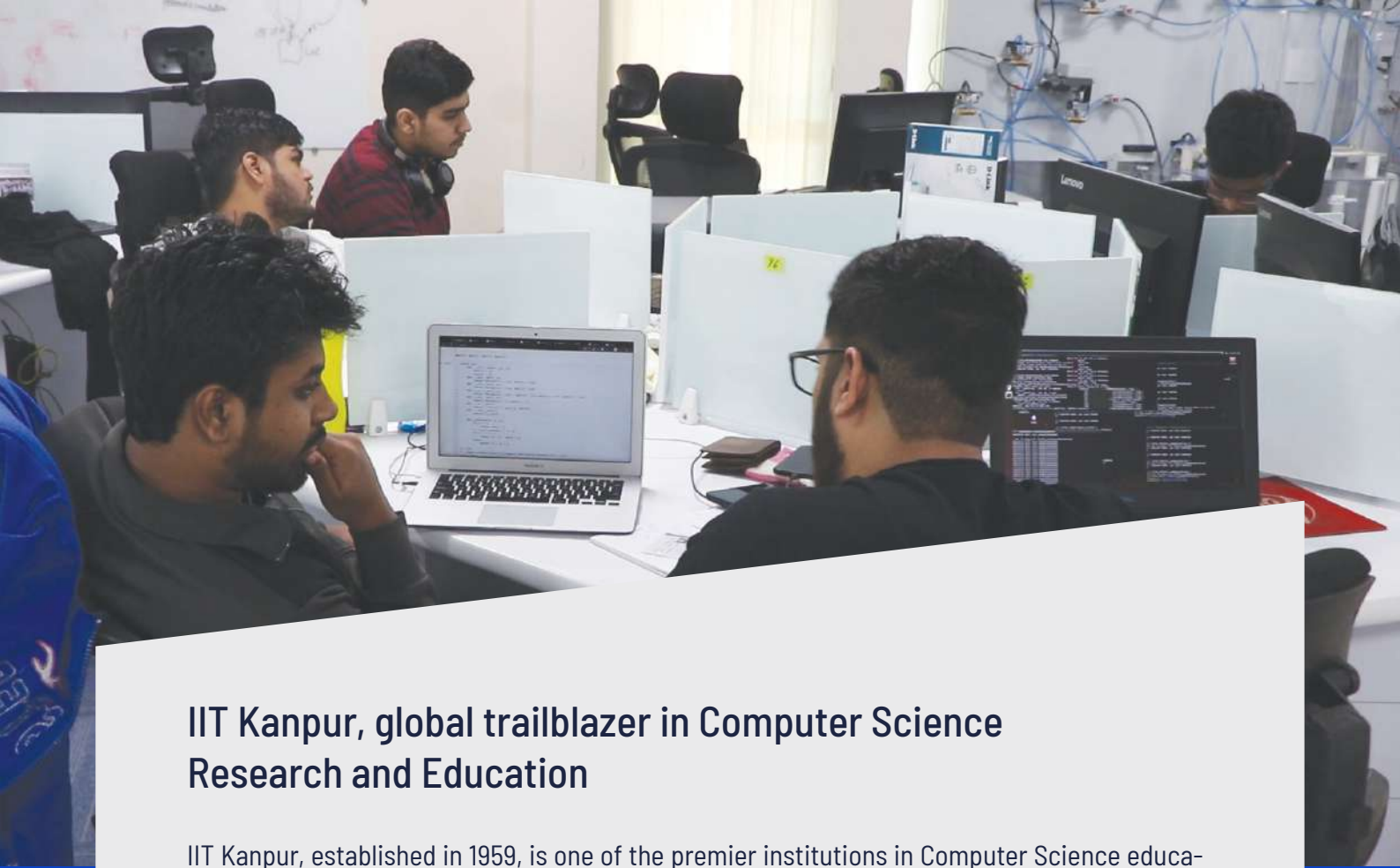
Peer Networking

Join the elite community of top Cyber Security professionals, practitioners and researchers

50

SEATS ONLY

APPLY FOR
FEBRUARY 2020 COHORT



IIT Kanpur, global trailblazer in Computer Science Research and Education

IIT Kanpur, established in 1959, is one of the premier institutions in Computer Science education and research with an aim to provide leadership in technological innovation.

The institute took its pioneering steps towards Cyber Security by setting up C3i (Interdisciplinary Centre for Cyber Security and Cyber Defense of Critical Infrastructures). The C3i is now on its way to create India's first research centre whose mission is to research, educate, train and also spawn startups to create technological safeguards to protect critical infrastructure. The center is also engaged with International partners from Israel, and the USA to develop a world-class research in the field of Cyber Security.

- ✓ Ranked among top engineering colleges by NIRF 2019
- ✓ Hosts C3i - India's leading Research Centre in Cyber Security for critical infrastructure
- ✓ Collaborates with global centers of excellence (Israel and USA) in Cyber Security
- ✓ Built on World-class Academic Research Culture

Experts at the cutting-edge of Cyber Security research



Dr. Sandeep Shukla

Professor

Dr. Shukla is an IEEE Fellow, ACM distinguished scientist and Subject Matter Expert in Cyber Security of cyber-physical systems and Blockchain Technology. He currently heads the Computer Science and Engineering Department at IIT Kanpur. A recipient of various prestigious honours, he serves as a joint-coordinator for the C3I Center and the National Blockchain Project at IIT Kanpur



Dr. Manindra Agrawal

Professor

Dr. Agrawal is a Professor at the Department of Computer Science and Engineering and the Deputy Director of IIT Kanpur.. A Padma Shri (2013) awardee, he was chosen for the first Infosys Mathematics Prize for outstanding contributions in the broad field of mathematics in 2008. He co-created the AKS primality test, for which he and his co-authors won the 2006 Fulkerson Prize and the 2006 Gödel Prize.



Rohit Negi

Instructor

Rohit is the Lead Engineer and Security Architect and Security Operations Lead at C3i. An ICS security researcher and expert with 7+ years of experience specializing in CyberDefense of industrial automation and operational technologies, he has published several papers in International conferences on Cyber Security of Industrial Cyber-Physical Systems.



Anand Handa

Instructor

Anand is the Project Executive Officer in C3i . His focus areas include malware analysis, memory forensics, and intrusion detection systems. His role at C3i involves working on projects having malware analysis and IDS as a significant component. He has published research work at multiple International conferences.

Format



6-month hands-on program



2 immersion bootcamps at IIT Kanpur



Weekly interactive online sessions

Curriculum



Shock and Awe



Access Control



Data Security



Vulnerability Assessment and Penetration Testing



Intrusion Detection System



Honeypot



Software Diagnosis



Capstone Projects

Capstone Projects



Network based Intrusion Detection System (NIDS)



Host-based Intrusion Detection System (HIDS)



Host-based Intrusion Detection System (HIDS)



Honeypot



Malware Analysis



Memory Forensic



Secure Inventory Management



Application Communication Protocol Testing Tool



Application Control



Device Control

Hybrid Delivery

2 IIT Kanpur Campus Visits

Program Opening Visit: Feb 10-12, 2020
Program Closure Visit: July 24-26, 2020



IIT Kanpur, Kalyanpur
Kanpur -208 016

Weekly Online Sessions

Saturdays (10 am - 12 noon)
Sundays (10 am - 12 noon)

- ▶ Interactive Sessions
- ▶ Weekend Schedule
- ▶ Direct to Device

Outcomes



Build

Build expertise in Cyber Security and Cyber Defense



Certificate

Get IIT Kanpur Certification



Learn

Learn from world-class faculty of IIT Kanpur



Network

Network and collaborate with Cyber Security Experts

Become a Cyber Security Expert

INDIAN INSTITUTE OF TECHNOLOGY KANPUR
Centre for Continuing Education



Participation Certificate

This is to certify that Dr./Mr./Ms. _____, from _____
attended short term course/workshop on (Title) _____
conducted by the Department of _____ from _____.

Course Coordinator

Rajesh M. Hegde
Head, CCE/QIP

Eligibility

Who should join

Ideal Profile



Current and /aspiring Cyber Security professionals across India and abroad



Tech professionals seeking a role change or career advancement



Graduate with relevant background and 1+ years experience



Diploma with relevant background and 3+ years experience

Application and Enrollment



Submit profile



Await selection



Complete Enrollment

Fee

Total Program Fee: ₹268,000 + GST

*Fee covers boarding and food expenses during campus visit. Travel expenses for campus visits to be borne by participants.

Flexible EMI options available.

Contact



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