NATIONAL INSTITUTE OF TECHNOLOGY
ROURKELA

edureka!

PG Program in
Cybersecurity

9 Months | Online | 400+ Hours of intensive learning

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The National Institute of Technology, Rourkela is one of India's top colleges and ranked among top 5 NITs by MHRD. NITR has also been recognized as an Institute of National Importance by the Government of India. NITR has partnered with Edureka to design this online PG Program in Cybersecurity in order to develop the next cadre of highly skilled professionals and experts in the field of Cybersecurity.

edureka!

Edureka is an online education platform focused on delivering high-quality learning to Technology professionals. We have the highest course completion rate in the industry and we strive to create an online ecosystem for our global learners to equip themselves with industry-relevant skills in today's cutting edge Technologies. We house a team of dedicated instructors with vast industry experience backed by a support team that works round the clock, ready to help our learners maximize their learning experience.

Why enroll in this program?

There has been a whopping 94% growth in the number of cybersecurity job postings in the last six years and studies suggest that the demand for cybersecurity professionals is exceeding the supply. This lack of talent means that top global companies like Amazon, Google, Cisco, Visa, and KPMG are willing to spend a lot more on professionals with the skills to outsmart phishers, hackers, and cybercriminals.

Don't you want to be a part of this zeitgeist?

The NIT Rourkela faculty, Edureka experts, industry veterans, a large pool of SMEs and learners have jointly collaborated to create this online PG Program in Cybersecurity. This PG Program is a rigorous 9-month program with over 400+ hours of intensive learning designed to make you not just industry ready but also primed to excel.

Program Features

9-Month online PG Program	Edureka - NITR joint Certificate on completion	Curriculum curated by NITR professors
Connect with Industry Veterans	21+ Assignments	400+ hrs of intensive learning
Custom Cyber Lab with 27+ Practicals	100% Placement Assistance	24x7 expert support

NIT Rourkela Advisors

Dr. A. K. Turuk
Professor | NIT Rourkela

https://www.nitrkl.ac.in/CS/~akturuk

Dr. Manmath Narayan Sahoo
Assistant Professor | NIT Rourkela

https://www.nitrkl.ac.in/CS/~sahoom

Dr. Ramesh Kumar Mohapatra
Assistant Professor | NIT Rourkela

https://www.nitrkl.ac.in/CS/~mohapatrark

Program Curriculum

Operating System and Network Fundamentals

» Linux Fundamentals
» Cybersecurity Tools In Kali Linux
» System Security and Protection
» Basics of Networking
» Network Security

Cryptography

» Introduction to Cryptography
» Symmetric Ciphers
» Asymmetric Ciphers
» Pseudo-Random Number Generation
» Steganography and Data Integrity Algorithms

Infrastructure Security

» Security Fundamentals
» Device Security
» Topologies and IDS
» System Hardening

Application Security

- » Authentication and Authorization
- » Session Management
- » Web Security
- » Database Security
- » File Security
- » Mobile Security
- » Secure Development Methodologies

Basics of Ethical Hacking

- » Introduction to Ethical Hacking
- » Anonymity
- » Information Gathering
- » Scanning Networks
- » Enumeration
- » Vulnerability Analysis

Device Hacking

- » Operating System Hacking
- » Hacking Wireless Networks
- » Cloud Hacking
- » IoT Hacking
- » Malware Threats
- » Sniffing

Web Application Hacking

- » Introduction to Web Application Hacking
- » Social Engineering
- » Session Hijacking
- » SQL Injection
- » OWASP Top 10 - Part 1
- » OWASP Top 10 - Part 2
- » OWASP Top 10 - Part 3

Enterprise Security Architecture

- » Introduction to Enterprise Security
- » Planning the Security Architecture
- » Designing the Security Architecture
- » Security Architecture: Operations
- » Security Governance and Risk Management

Digital Forensics

- » Introduction to Digital Forensics
- » Data Recovery and OS Forensics
- » Email Crimes and Violations

Industry Projects

An industry-level project will be a part of your PG Program to consolidate your learning. This industrial project will ensure that you have accumulated the real-world experience to start your career as a globally recognized Cybersecurity professional.

Certificate from Edureka & NITR

Upon successful completion of the course, you will:

- Get certified by Edureka & NIT Rourkela

Eligibility

An ideal candidate profile would be:

- A graduate with degrees such as BCA, MCA, B.E or B.Tech
- An aspiring candidate should have studied PCM in 10+2

Program & Batch Details

Duration: 9 Months
Program Fee: Rs. 1,75,000/- + GST (EMI starts at Rs. 14,291/- per month)

Selection Process

Candidates will have to complete a thorough online application process and attend telephonic interviews to be eligible for the PG Program in Cybersecurity, designed by Edureka and NIT Rourkela.

Scholarship

For exceptional and deserving candidates, NIT Rourkela and Edureka is offering scholarships up to Rs 25,000/-

CONTACT US

edureka!

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Please fill the form here:
https://www.edureka.co/post-graduate/admission-process?courseId=914

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Disclaimer: This program is a non-degree, non-diploma certification program offered jointly by Edureka and Continuing Education activity of NIT Rourkela.