

MASTERING INFORMATION SECURITY (M I S)

2024 / 25 ENTRY

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**Savitribai Phule
Pune University**



**Canadian Association for
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Studies Vancouver**



**Direct Action
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Mastering Information Security (M I S)

Program Overview

This Course is designed by a panel of academic scholars, industry experts, law enforcement & security professionals at Transcendental Technologies, which introduces students with a specific focus on information security's contribution to the fundamental knowledge, core expertise and advanced, evidence-driven methodological tools and approaches required to understand, analyze, prevent, disrupt and detect cybercrime & cyber terrorism.

Course Summary

Students develop an understanding of how computer science, engineering & variety of professional disciplines can contribute to tackling cyber-crime & cyber terrorism. By the end of the program, they will be able to apply appropriate scientific principles & methods to cyber security problems, think strategically to develop and implement countermeasures, & appreciate the complexity involved in the design and implementation of cyber-crime & cyber terrorism threat-reduction technologies, which enable analysis, prevention, disruption & detection.

// Transcendental Technologies works with the security professionals across the world both in the academic and working arena across various cyber security domains and disciplines, and is committed to reduce crime through teaching, research, public policy analysis and by the dissemination of evidence-based information on crime reduction.

// This Professional Certification program is delivered by experienced practitioners and researchers working in counter-terrorism, intelligence, law enforcement, risk assessment and security technology. It boasts a unique multidisciplinary platform, being the first program of its kind to be taught by working professionals in the field of security, engineering, computer science. Fascinating cutting-edge of the social and engineering sciences in the security domain.

// Our students come from varied backgrounds; many are practitioners and are encouraged to contribute their experience in and out of the classroom.

Cyber Threat Landscape

This year alone there are 2.25 Lakh reported cyber security incidents as per CERT India. constantly evolving threat landscape in the cyber arena has seen a very sharp rise in incidents, which creates more demands of Cyber experts in this field to handle such complex & constantly evolving cyber field. The demand of Cyber security experts across different domains and various verticals are at all time high as compared to last decade. This creates more opportunities in this highly specialized field which will only grow as time progresses.

\$17.63 Million

Is the average cost of data breach to businesses in India in 2022. These are 6% higher than previous year in 2021

Source: Research & Markets

300%

Rise in cases related to Cyber Crime & Cyber Incidence reported to CERT India post pandemic

Source: Ernst & Young India, 2021

Advance Your Career in Cyber Security

Some of the most popular job titles in this field are:

- ✓ **Cyber Security Expert**
- ✓ **Digital Forensics Investigator**
- ✓ **Cyber Crime Investigator**
- ✓ **Cyber Hacking Forensic Investigator**
- ✓ **Data Security Engineer**
- ✓ **Network Security Architect**
- ✓ **Threat Intelligence Analyst**
- ✓ **Information Security Professional**
- ✓ **Ethical Hacker**
- ✓ **Penetration Tester**
- ✓ **Digital Forensic Expert**
- ✓ **Cyber Security Architect**
- ✓ **Security Consultants**
- ✓ **Cyber Threat Analyst**
- ✓ **CERT**
- ✓ **DFIR**
- ✓ **Malware Analyst**
- ✓ **VAPT Expert**
- ✓ **And many more...**

Program Takeaways

- Market Ready Cyber Security Skills
- Understand Operational Realities of Cyber Security
- Knowledge to Build Your Skills in Cyber Domain
- Enhance Your Investigator Skills & Abilities in Cyber Crime Field
- Build Your Leadership Skills in Cyber Security Area
- Work On Live Cases & Projects Through Our Partners Tackling Cyber Crime & Investigations
- Mentoring & Internship Under the Guidance of Experts in the Field of Cyber Security Domain
- Insights & Case Studies from the Real-World Incidences
- Become Digital Forensic Expert
- Capstone Project to Share with Potential Employers
- Connect with Security Professionals Globally Through our Panel of Experts & Mentors
- Hands on Learning Experience
Apply Cyber Security Concepts to Real World Scenarios
- Explore Cyber Security Options Examine Different Career Paths Within Cyber Security

Who Is This Program For?

This program is best suited for:

Individuals with a keen interest to master the skills in the vast field of cyber security domain. Working professionals who want to develop their Cyber Security capabilities or Peoples who are looking to switch to opportunities in Cyber Security arena seeking for a challenging & ever-growing career options.

Why This Program?

- ✓ 'Cyber security domain' ranked as one of the top 10 jobs for 2021, and hiring for cyber security Job roles grew nearly 53% year-over-year
- ✓ An immersive 6 months program that will enable you with a comprehensive overview of cyber security and its tools and an up-to-date skill set to stay ahead of your peers
- ✓ Live real-world scenarios & cases for hands on experience
- ✓ Assistance with your personal & professional grooming
- ✓ Open internship & experience certificate
- ✓ Practical approach
- ✓ Learn from the very best & renowned working professionals in the field of Cyber Security

STARTS

June 13, 2024

PRICE

INR 65,000 /-

DURATION

**6 Months
8-12 hours per week**



Course Structure

Mode: FT: 160 Hours; Location: Pune

Students undertake seminars, assignments and MCQ exams to complete each module along with viva. Each module consists of taught 20 Hours in classroom teaching along with self-study. Each module consists of exams, assignments & tutorials for completion of the course and a Final Project Report. Candidates will have to secure 50 % passing marks in each module.

Upon successful completion of Project Report, you will be awarded a Professional Certification in Mastering Information Security (MIS). Please note that the list of modules given here is indicative. This may change from time to time.



Accessibility

Details of the accessibility of classroom can be obtained from

www.transcendental-technologies.com further information can also be obtained from the student support & admin team.

Compulsory Modules

- ✓ **Computer & Internet Fundamentals**
- ✓ **Understanding the Internet & Networking**
- ✓ **Foundations of Cyber Crime, Cyber Security & Hacker Methodologies**
- ✓ **Acquisition & Investigation of Digital Evidence**
- ✓ **Cyber Forensics & Cyber Crime Investigation**
- ✓ **Ethical Wireless Hacking**
- ✓ **Encryptions & Cryptography**
- ✓ **Dark Web the Complete Understanding**
- ✓ **Expert Articles, Research Papers & Case Studies**

FINAL PROJECT REPORT

- ✓ **All MIS students undertake independent Research Project which culminates in a Final Project Report of 10,000 Words.**

Employability

This program equips students with the knowledge to develop operational strategies to counter cyber- crime and cyber terrorism.

3.5 M

By 2025 there will be 3.5 million

Cyber Security jobs open globally.

Source: Cyber Security Jobs Report 2021

Learning Experience



Teaching and Learning

The program is delivered through a combination of lectures, seminars, tutorials & laboratory practical. Student performance is assessed through project reports, unseen written examination, coursework, presentations, and the final research project, & viva.

Our programs are designed to meet the needs of individual learning styles, while also leveraging the power of peer learning. This is achieved through a user-friendly learning platform that enables participants to easily navigate the program content in order to achieve their learning objectives.

Keeping it Real

Our methodological approach is designed to

Understand practical knowledge.

It includes:

- Industry focused learning techniques
- Individualized assessments
- Real-world applications
- Peer-supported discussions
- Live, interactive & personalized teaching



Keeping it Convenient

Access to program content is flexible and available through multiple devices, allowing working professionals to easily manage their schedules and learn remotely—anytime, anywhere. Participants enrolled in the program will obtain module-by-module access to learning materials. Program modules incorporate a variety of teaching instruments, including:

- Classroom lectures
- Discussions & forums
- Study materials (books, e-books & software's)



Our industry-leading learning syllabus allows participants to create a profile, connect and collaborate with their peers, and interact with subject-matter experts. Assignments, tutorials & seminars are often linked to the real-world situations, allowing concepts to be applied in practice.

Keeping it Interesting

Our globally connected learning platform enables participants to seamlessly interact with their peers when completing group assignments. In this way, they stay on track to achieve program completion, having culturally enriching encounters along the way.

Program Requirements

To access our programs, participants will need the following:

- A valid email address
- Computing device connected to the internet: PC/ laptop, tablet, or smartphone
- The latest version of their preferred browser to access our learning platform
- Microsoft Office and a PDF viewer to access content such as documents, spreadsheets, presentations , PDF files, and transcript

Internship

This program requires participants to successfully complete 3 months open internship through our partners in order to obtain their Professional Certificate. You'll have chance to work on live real world active cases. Get hands-on experience of working with leading forensic software “**MyFRT**” through our associate partner “Lab Systems”, leader in digital forensics investigation in India. After successful completion of internship, interns will have a better perspective and understanding of their career. They would be able to apply their knowledge more effectively in a real-world scenario.



Your Career

This unique linking of organized crime and cyber terrorism, and the study of methodologies that can practically tackle both of these areas, means that this Course holds appeal for employers across a broad range of industries.

Career Services

Career Management Modules On



1:1 Mentorship Sessions by a
Expert Career Coach



1:1 Mock Interviews
by Industry Experts



Resume & Covering Letter Building
Group Workshops



Interview Preparation
Group Workshops



LinkedIn Profile Building
Group Workshops



Job Placement Assistance
Profile navigating Job Search

***Available to Indian residents only.**

****Job placement assistance is not guaranteed. Transcendental do NOT promise or guarantee a job or progression in your current job. Career services mentioned here are offered by Transcendental that empowers you to manage your career proactively. Transcendental is NOT involved in any way and makes no commitments regarding the career services mentioned here.**

Partners & Associates

Students will have an opportunity to work on live projects through our partners & associates.



Note: All agencies and company names are trademarks or registered trademarks of their respective holders. Use of them doesn't imply any affiliation with or endorsement by them.

Entry Requirements

Budding graduates from any discipline, graduates with a minimum of an upper second-class Bachelor's degree in any relevant discipline from an Indian university or an overseas qualification of an equivalent standard. Relevant disciplines include science subjects (e.g., engineering or computer science) or social science subjects (e.g., psychology, criminology or geography). Alternatively, candidates may qualify for entry if they can offer five or more years of relevant professional experience. For example in the police service, or as a crime prevention worker, law enforcement professionals.

English Language Requirements

If your education has not been conducted in the English language, you will be expected to demonstrate evidence of an adequate level of English proficiency. The level of English language proficiency for this program is: **Good**.

Your Application

Students are advised to apply as early as possible due to competition for places.

When we assess your application, we would like to learn:

- What particularly attracts you to this particular program
- How your academic and professional background meets the demands of this program
- If you are aware and comfortable with the fact that the program includes subjects on statistics and quantitative analysis, as well as a General emphasis on the scientific method and empirical research.

Fees & Funding 2024 Entry - Indian

// Class Room: **65,000 /-** (Hybrid)

// Distance Learning: **20,000 /-** (DL)

Fees & Funding 2024 Entry - International

// Class Room: **1,30,000 /-** (Hybrid)

// Distance Learning: **40,000 /-** (DL)

The tuition fees shown are for the course indicated above. Fees for subsequent course may increase or otherwise vary. Fees for both the courses may change depending on various factors. Please confirm Course fees before taking admission. For further information, please visit our website.

Application Deadline

All applicants: **Ongoing**

Details on how to apply are available on the website at: www.transcendental-technologies.com

Contact

Program Administrator

Email: info@transcendental-technologies.com

Telephone: +91 – 9595158106 / 9175558736

Where you would like to go professionally with your Certification Together with essential academic requirements, the personal statement is your opportunity to illustrate whether your reasons for applying to this program match what the program will deliver.

There is an application processing & examination fees for this program **Applicable as Per the Norms, Terms & Conditions of SPPU** for applications.

Further information can be found at:

www.transcendental-technologies.com

