



**3-Days Residential Cybersecurity Training
Programme on
Emerging Technologies
to Accelerate Incident
Readiness & Response
(July 17 - 19, 2024)**



Administrative Staff College of India
(accredited as उत्कृष्ट by Capacity Building Commission, GoI)



PREFACE

In an era where cyber threats are increasingly sophisticated and pervasive, it is imperative for organizations to adopt emerging technologies that can significantly enhance their incident readiness and response capabilities. Innovations such as artificial intelligence (AI), machine learning (ML), automation, and advanced threat intelligence platforms are transforming how security teams detect, respond to, and mitigate cyber incidents. These technologies enable faster detection of anomalies, provide deeper insights into threat landscapes, and automate routine tasks, allowing cybersecurity professionals to focus on more complex challenges. As cyber threats continue to evolve, leveraging these cutting-edge technologies becomes essential for maintaining robust security postures and ensuring swift, effective responses to incidents.

This comprehensive three-day training programme is designed to equip participants with the knowledge and skills needed to harness these technologies effectively. Over the course of the three days, attendees will experience with advanced tools and techniques, learning how to integrate AI / ML into their incident response frameworks, utilize threat intelligence for proactive defense, and critical response actions. This comprehensive programme will prepare participants to enhance their organizations' resilience against cyber threats, ensuring they can respond to incidents with speed and precision.

OBJECTIVES

- Understand the evolution of cyber threats, their impact on businesses, and align cybersecurity strategies with organizational goals.
- Explore the role of artificial intelligence (AI) and machine learning (ML) in cybersecurity, including their application in threat detection, prediction, and response.
- Develop skills in incident response planning, including building effective incident response plans (IRPs) and understanding the key components of an IRP.
- Learn to leverage threat intelligence for proactive defense and integrate it into incident response plans effectively.
- Gain insights into emerging technologies such as cloud security, Zero Trust architecture, and endpoint security with forensic capabilities.
- Learn how to create a strategy for responding to incidents and discover the most effective methods for using new technologies in incident response.

These objectives encompass a comprehensive understanding of modern cyber threats, incident response planning, leveraging emerging technologies, and proactive defense strategies essential for cyber incident preparedness and response by leveraging the unique environment of Cyber Theme Park (CTmP).

Cyber Theme Park (CTmP)

Cyber Theme Park is an experience centre that transforms theoretical knowledge into practical wisdom. It is a dynamic environment where individuals come together to engage in



meaningful interactions, exchange ideas, and challenge their existing perspectives. We believe that true learning occurs when theoretical knowledge is applied and tested in real-life scenarios & situations. Our aim is to bridge the gap between theory and practice by creating an immerse experience with 4 distinct mindsets Attacker, Protector, Defender and Overseer that transforms abstract concepts into tangible outcomes. The programme seamlessly blends theory with practical, immersing you in the world of attacker and defender techniques.

CONTENTS

Day 1: The New Face of Cyber Threats and the Power of Technology

Topics
<p>Understanding Modern Cyber Threats</p> <ul style="list-style-type: none"> ▪ The Evolution of Cyber Threats ▪ Impact of Cyber Threats on Businesses ▪ Aligning Cybersecurity Strategies with Business Goals
<p>Leveraging Emerging Technologies in Cybersecurity</p> <p>The Role of AI and ML in Cybersecurity</p> <ul style="list-style-type: none"> ▪ How AI and ML technologies are applied in cybersecurity. ▪ Benefits of AI/ML for threat detection, prediction, and response. ▪ What are the key benefits of implementing AI and ML in cybersecurity and challenges might organizations face when adopting these technologies. ▪ Overview of Zero Trust architecture: principles and implementation.
<p>CTmP:</p> <ul style="list-style-type: none"> ▪ Cloud security Technologies ▪ Scenario: Responding to a Ransomware Attack with EDR ▪ Case study - Securing Endpoints with Forensic Capabilities ▪ Key Components of Data Governance for Incident Response
<p>Gamification: Phishing, AI/ML based attacks</p>

Day 2: Advanced Threat Intelligence and Incident Response

Topics
<ul style="list-style-type: none"> ▪ Incident Response Planning and Simulation: ▪ Building an Effective Incident Response Plan (IRP) ▪ Key components of an IRP: preparation, identification, containment, eradication, recovery, and lessons learned. ▪ Roles and responsibilities in an incident response team.
<ul style="list-style-type: none"> ▪ Leveraging Threat Intelligence for Proactive Défense ▪ Understanding threat intelligence and its sources.



- Integrating threat intelligence into incident response plans.

Gamification: Know Your Hat / Cyber Treasure Hunt

CTmP:

- Table Top Exercise
- DaDeWeb Monitoring - Enhancing Incident Readiness
- Open Source Intelligence (OSINT) Research

Day 3: Integrating Emerging Technologies into Incident Response Frameworks

Topics
<ul style="list-style-type: none"> ▪ Building a Modern Incident Response Framework ▪ Steps to integrate AI, ML, and automation into existing frameworks. ▪ Best practices for deploying emerging technologies in incident response.
<p>Roadmap for Integrating Emerging Technologies</p> <ul style="list-style-type: none"> ▪ Initial Assessment ▪ Technology Selection ▪ Planning and Implementation ▪ Full Deployment
<p>CTmP:</p> <ul style="list-style-type: none"> ▪ Integration tools and platforms for incident response frameworks ▪ Simulated Incident Response Exercise: Ransomware Attack ▪ Analysing Cyber Incident through the MITRE Framework
<p>Gamification: Image Sherlock</p>
<p>Valedictory & Feedback</p>

FACULTY PROFILE

Elevate your cybersecurity expertise with industry veterans. Our team boasts a unique blend of expertise from industry, government, and regulatory bodies, honed over 20 years. Go beyond theory and gain practical skills to excel at the intersection of governance and technology. Embark on a transformative journey led by seasoned professionals who have shaped the landscape of government and IT.

PARTICIPANT PROFILE

- Managers and team leaders
- Security analysts and engineers
- IT operations and infrastructure teams

Organisational sponsorship is essential



VENUE

The programme is fully residential and the participants will be accommodated in air conditioned single occupancy rooms. The college does not provide accommodation for the family. The college is Wi-Fi enabled in a comprehensive way.

DURATION

The programme duration is **3 days** starting from **July 17 - 19, 2024**. The participants are expected to arrive a day before commencement and may leave after the conclusion of the programme.

PROGRAMME FEE

Residential Fee: Rs. 43,700/- (US \$683 for foreigners) plus GST as applicable (presently 18%) per participant. The fee covers tuition, board and lodging, courseware (in electronic form) and other facilities of the College including internet usage.

Non-Residential Fee: Rs. 37,700/- plus GST as applicable (presently 18%) per participant. The fee covers tuition, course ware (in electronic form) working lunch and other facilities of the College including internet usage.

A discount of 10% on the Programme fee for three or more participants from the same organisation will be given, provided the payment is credited into our Bank account before **July 15, 2024**.

Note: Kindly forward us the details of Bank/Wire transfer of fee payment indicating the Programme Code **(Prg/24 - 25/1/31)** to poffice@asci.org.in for confirmation.

Bank details are given below:

For Indian Participants:

Bank Account Number	62090698675
Beneficiary Name	Administrative Staff College of India
IFSC Code	SBIN0020063
Bank Name	State Bank of India
Branch Address	Bellavista Branch, Raj Bhavan Road, Somajiguda, Hyderabad - 500 082

For Foreign Participants:

Bank Account Number	62090698675
Beneficiary Name	Administrative Staff College of India
Swift Code	SBININBB327
Bank Name	State Bank of India
Branch Address	Bellavista Branch, Raj Bhavan Road, Somajiguda, Hyderabad - 500 082.
Country	India



MEDICAL INSURANCE

The nominees are requested to carry with them the proof of Medical Insurance. The sponsoring agency is required to endorse the nominees' medical coverage in the event of hospitalization

LAST DATE FOR NOMINATION

Please use the prescribed/attached form. Last date for receiving nominations is **July 10, 2024**. Kindly contact Programmes Officer for further details (contact details are given at the end of the nomination form).

LAST DATE FOR WITHDRAWAL

July 12, 2024. Any withdrawals after this date will entail forfeiture of fee paid, if any.

ASCI ALUMNI ASSOCIATION

Participants of the College programmes will automatically become members of the ASCI alumni association.

CERTIFICATE OF PARTICIPATION

The College issues a Certificate of Participation on conclusion of the programme.

Programme Director

Dr. P R Madhusoodanan

Email: mpr@asci.org.in

Administrative Staff College of India (ASCI) is taking all the precautionary measures and following all the norms (in light of COVID 19) to provide a safe environment for the participants who are visiting our Campus to attend the Training Programmes.



ABOUT ASCI

“I need not tell you how important I feel this institution is, not because it is the first in Asia or third in the world, but because obviously, it performs a task which is of high importance in the present state of our country, perhaps of other countries too.”

-- Pandit Jawaharlal Nehru, the First Prime Minister of India during his visit to the College on 23 Oct. 1958

Established in 1956, it is the first and foremost institution of its kind in the country. Set up as an institution with a difference at the joint initiative of both the Government of India and the industry, it is an autonomous, self-supporting, public-purpose institution with the objectives of being a think- tank for policy inputs and to build the capacities of practicing professionals in the management of government and business enterprises.

ASCI is an institution of excellence and national importance, and a registered society by constitution. At the apex of its governance structure is a policy-setting, oversight body, the Court of Governors (CoG). It is a virtual who's who of eminent professionals, public figures and industry leaders who have distinguished themselves in their respective fields of specialization in education, enterprise, administration, management and governance spanning a wide variety of sectors like agriculture, banking, engineering, economics, judiciary, law, manufacturing, science and technology and public administration.

Capacity building and applied research assignments constitute the bedrock of the activities of ASCI. They have larger societal benefit and public good as the key cornerstones. ASCI integrates economic, social, cultural, financial, technological, regulatory, human, organizational, and environmental aspects into its management training and action-research initiatives for addressing issues of topical interest and current concern to the government and the industry. With its focus on policy, strategy, management, governance, regulation and socio-economic impact evaluation, ASCI brings knowledge inputs, informed advice, best practice and innovative ideas to bear on its training, policy advocacy, advisory and implementation-assistance services. In the process, it provides opportunities to State and Central Government Departments and Ministries in India and abroad as well as the industry, to develop sustainable policies, devise inclusive strategies and deploying robust plans towards improved economic performance, human development and social progress.

As a result, ASCI enjoys the trust and confidence of the government and industry and is relied upon and entrusted with assignments of varied scale, scope, sweep, spread and specialization.



About ESF Labs Limited

“ESF Labs Limited brings cyber resilience with innovation and excellence.”

ESF Labs is a recognized Cyber Security and Digital Forensics Research Centre with over a decade of experience, focusing on delivering effective and innovative solutions and capacity building to clients. As a CERT-INDIA empanelled entity, ESF Labs, aims at assisting its customers to combat the various cyber threats they face through training/capacity building and solutioning. As a trusted partner, ESF Labs, works closely with corporations, law enforcement agencies, and governments to provide consultation services that enhance the client's cybersecurity and digital forensic capabilities. The solutions delivered are designed to minimize the risk exposure of organizations and also providing a strong foundation in cybersecurity and digital forensic posture.

ABOUT CYBER THEME PARK (CTmP) AN EXPERIENCE CENTRE



Cyber Theme Park is an experience center that transforms theoretical knowledge into practical wisdom. It is a dynamic environment where individuals come together to engage in meaningful interactions, exchange ideas, and challenge their existing perspectives. We believe that true learning occurs when theoretical knowledge is applied and tested in real-life scenarios & situations. Our aim is to bridge the gap between theory and practice by creating an immersive experience with 4 distinct mindsets Attacker, Protector, Defender, and Overseer that transforms abstract concepts into tangible outcomes. The programme seamlessly blends theory with practical, immersing you in the world of attacker and defender techniques.



Nomination Form

3-Days Residential Cybersecurity Training Programme on
Emerging Technologies to Accelerate Incident Readiness & Response
(July 17 - 19, 2024)

Nominee's Contact Information

Name (Mr/Ms)	:	_____	Date of Birth:	_____
Designation	:	_____	Qualification:	_____
Organisation	:	_____		
Address	:	_____		
Phone(s)	:	Office: _____	Mobile: _____	Home: _____
e-mail	:	_____		Fax: _____

Sponsors Details

Name of the Sponsoring Authority:	:	_____	Designation:	_____
Organisation	:	_____		
GSTIN Number:	_____			
Address	:	_____		
		_____	Pincode:	_____
Phone(s)	:	Office: _____	Mobile: _____	
e-mail	:	_____		Fax: _____

Fee particulars

Amount Payable	:	_____	Mode of Payment (DD/Ch/NEFT):	_____
Name of the Bank	:	_____	Date of Instrument/Transfer:	_____
Instrument Number:	_____		UTR Number for NEFT	_____

Medical Insurance:

Name of the Insurance Agency	Policy Number	Validity upto
Note: Coverage should be available in Hyderabad, India.		

Signature and Official Seal of the Sponsoring Authority:

NOTE: Forward nomination form to: **Mr. G. Sreenivasa Reddy, Programmes Officer,** Administrative Staff College of India, Bella Vista, Hyderabad-500 082. Phone: 0091-40-66534247, 66533000, Mobile: 9246203535, Fax: 0091-40-66534356, e-mail: poffice@asci.org.in