



Expert Session: Cyber Attacks & their Mitigation- Role of AI in Modern Cybersecurity

Name of College: A. P. Shah Institute of Technology, Kasarvadavali, Ghodbunder Road, Thane – 400615

Department: Information Technology

Date: 30/01/2026

Participants: 34(TE) + 20(SE) = 54

Targeted Audience: Students of Second Year and Third Year Information Technology.

Speaker Detail:

1) Mr. Lalit Sanwal

Global PS Scale Delivery (ODC) India Leader at Palo Alto Networks

Mr. Lalit Sanwal is a seasoned technology leader with deep expertise in driving professional services delivery at scale. As the Global PS Scale Delivery (ODC) India Leader at Palo Alto Networks, he leads the offshore delivery center and oversees global deployment excellence for cybersecurity solutions. He plays a pivotal role in executing strategic post-sales services, optimizing operational delivery, and ensuring customer success across diverse markets.

2) Mr. Asad Suhail

Professional Services Manager, Palo Alto Networks

Mr. Asad Suhail is a seasoned cybersecurity professional serving as Professional Services Manager at Palo Alto Networks, where he leads teams responsible for delivering high-impact technical services across cloud and network security domains. With over a decade of experience in information technology and security operations, he has successfully managed cross-regional teams and driven operational excellence in Professional Services delivery. He is also recognized for his thought leadership in cybersecurity, having shared industry insights as a keynote speaker at major events.

LinkedIn Profile of the Speaker:

1) **Mr. Lalit Sanwal :** <https://www.linkedin.com/in/lalitsanwal/>

2) **Mr. Asad Suhail :** <https://www.linkedin.com/in/asad-suhail-8b7802101/>



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Faculty Accompanied:

Ms. Rujata Chaudhari

Ms. Manjusha Kashilkar

Aim of Event:

The session aimed to provide students with insights into the evolving cybersecurity landscape, the growing complexity of cyber threats, and how Artificial Intelligence (AI) is transforming modern cybersecurity practices. The program also focused on industry-aligned learning pathways and career opportunities in the cybersecurity domain.

The session began with an overview of the current cybersecurity landscape, highlighting common cyber threats, attack vectors, and the importance of proactive defense mechanisms. The speakers emphasized the increasing role of AI and automation in detecting, preventing, and responding to cyber attacks in real time. Key introductory modules discussed included Cybersecurity Foundations, Network Security Fundamentals, Cloud Security Fundamentals, and Security Operations Fundamentals. These modules covered topics such as cybersecurity threats, attack types, IP addressing, packet encapsulation, cloud-native security, SOC processes, endpoint protection, and threat intelligence.

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The speakers further explained the SOC Analyst Learning Pathway, outlining a structured progression from network and cloud security fundamentals to advanced security operations and architecture. An overview of the academic curriculum alignment with the U.S. National Initiative for Cybersecurity Education (NICE) framework was also presented, showcasing how the courses map to real-world Cybersecurity job roles and industry expectations.

The event concluded with an interactive discussion, where students actively engaged with the speakers and clarified their queries related to cybersecurity careers and technologies.



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Glimpses of the event:





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Asad Suhail (Presenting, annotating)

SOC Analyst Learning Pathway

Network Security Fundamentals

- Essential network concepts
- Security and Encryption
- Hands-on experience with Next Generation Firewalls (NGFW)

Cloud Security Fundamentals

- Introduction to cloud technologies, Kubernetes security, and DevSecOps
- Container and Network Security
- Prisma and SASE Security

Security Operations Fundamentals

- Understand the vital role of SecOps
- Explore AI Driven Security Operations
- Gain Insights into using workflows for threat prevention
- Leverage automation and optimize SOC efficiency

Security Operations Architecture

- Implement security orchestration, automation, and response.
- Describe how threat intel and playbooks to automate controls at each MITRE attack stage
- Configuring SOC environments to protect critical infrastructure
- Discover how Cortex XSIAM unites SOC capabilities that include XDR, SOAR, SIEM, ASM and others into a single SecOps platform

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Asad Suhail

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Thane, Maharashtra, India

Puraniks Capitol, Parshwanath College Of Engineering, Ghodbunder Rd, Bhawani
Nagar, Kasarvadavali, Thane West, Thane, Maharashtra 400615, India
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Thane, Maharashtra, India

Puraniks Capitol, Parshwanath College Of Engineering, Ghodbunder Rd, Bhawani
Nagar, Kasarvadavali, Thane West, Thane, Maharashtra 400615, India
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PO and PSO Mapping: PO1, PO2, PO3, PO8, PO10, PO11, PSO1, PSO2