

ISTE–BNY One Week Knowledge Enhancement Programme – 2026

Theme: *Internet Crime, Human Safety and Advanced Cyber Security Practice*

Duration: 06–11 July 2026

Day 1 – 06 July 2026 (Monday)

Session I – Inaugural Function

Chief Guest: Mr. Manoj Abraham, IPS, Director General of Police (Vigilance & Anti-Corruption Bureau), Government of Kerala

Guest of Honour: Dr. Nidhi M.B., National Executive Council Member, ISTE-Delhi

ISTE-BNY One Week Knowledge Enhancement Programme – 2026
(Online Mode)

FDP ON "Internet Crime, Human Safety and Advanced Cyber Security Practice"

06.07.2026 To 11.07.2026

ORGANIZED BY

DEPARTMENT OF INFORMATION TECHNOLOGY

Toc H
INSTITUTE OF SCIENCE & TECHNOLOGY
Arakkulam P.O | Mulanthuruthy | Ernakulam | Kerala 682313

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<i>Inaugural Ceremony</i>	
PROGRAMME SCHEDULE	
10:30 AM	PRAYER
10:32 AM	WELCOME ADDRESS Dr. Rasmi P S FDP Coordinator
10:40 AM	PRESIDENTIAL ADDRESS Mr. Kurian Thomas Manager, Toc H Public School Society
10:50 AM	INTRODUCTION OF THE CHIEF GUEST Dr. Smitha Mohan Associate Professor, Dept. of IT
10:55 AM	INAUGURATION & INAUGURAL ADDRESS Mr. Manoj Abraham, IPS Director General of Police (Vigilance & Anti-Corruption Bureau), Government of Kerala
11:15 AM	SPECIAL ADDRESS BY GUEST OF HONOUR Dr. Nidhi M B National Executive Council Member, ISTE, New Delhi
11:30 AM	FELICITATION Prof.(Dr.) Preethi Thekkath Principal -TIST
11:35 AM	VOTE OF THANKS Asst. Prof. Neomi Nelin Nicholas FDP Joint Coordinator

The programme commenced with an inaugural ceremony attended by distinguished guests. Mr. Manoj Abraham, IPS, Director General of Police (Vigilance & Anti-Corruption Bureau), Government of Kerala, inaugurated the programme as the Chief Guest. Dr. Nidhi M. B., Professor and Head, Department of Mechanical Engineering, MBCET, and National Executive Council Member, ISTE, graced the occasion as the Guest of Honour. The dignitaries highlighted the growing significance of cybersecurity awareness, ethical digital practices, and continuous professional learning in addressing modern cyber challenges. The inaugural session set the stage for a week of enriching technical sessions and interactive discussions on internet crime, human safety, and advanced cybersecurity practices.

Session II

Speaker: Dr. Nidhi M.B.

Topic: *Introduction to Cyber Crime and Cyber Security*

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6th - 11th July 2026 (Online: Google Meet) **BNY**

Session -II
Topic: "Introduction on Cyber Crime and Cyber Security"

Dr. Nidhi M.B
National Executive Committee Member, ISTE New Delhi

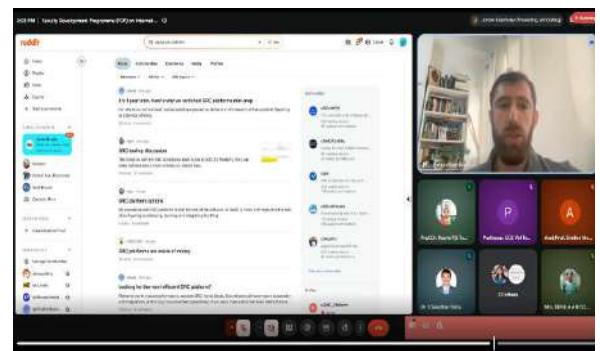
Session III
Topic: "Growing Your CyberCompany in the Age of AI"

Jordan Kastrinsky
Managing Partner at Global Upscale and Eagle Point Cyber, Founder and Israel Director of the Colorado Israel Chamber of Commerce

Organized by:
 Department of Information Technology

Day 1

The second session of the FDP was delivered by Dr. Nidhi N. B., National Executive Council Member, ISTE, New Delhi. The session, titled "Introduction to Cyber Crime and Cyber Security," provided participants with a comprehensive overview of the evolving cyber threat landscape, various forms of cyber crimes, and the fundamental principles of cybersecurity. Dr. Nidhi emphasized the importance of cyber awareness, ethical online practices, and preventive security measures to safeguard individuals and organizations from cyber threats. The interactive session laid a strong foundation for the technical sessions that followed throughout the programme.



Day 2 (7 July 2026): Session IV, V & VI-

The poster is for the ISTE-BNY One Week Knowledge Enrichment Programme - 2026, specifically for the FDP on "Internet Crime, Human Safety and Advanced Cyber Security Practice". It is scheduled for 6th - 11th July 2026 (Online: Google Meet) and is organized by the Department of Information Technology. The poster highlights two sessions: Session IV and V, and Session VI. Session IV and V features Ajmal Ibn Mohammed Althaf, Founder and CEO of QuantumX, with topics on Quantum-Safe Cryptography and Cybersecurity in the Post-Quantum Era. Session VI features Adv. A P Mohammed Rafi, Civil Lawyer, Notary Public, and Former public prosecutor, with a topic on Cyber Crime Investigation Process and Law.

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SESSION IV AND V

Ajmal Ibn Mohammed Althaf
Founder and CEO of QuantumX

TOPIC 1: "INTRODUCTION TO QUANTUM-SAFE CRYPTOGRAPHY: QUANTUM KEY DISTRIBUTION AND POST-QUANTUM CRYPTOGRAPHY"

TOPIC 2: "CYBERSECURITY IN THE POST-QUANTUM ERA: POLICY, EDUCATION AND INSTITUTIONAL READINESS"

SESSION VI

Adv. A P Mohammed Rafi
Civil Lawyer, Notary Public, Former public prosecutor, Tenkasi District, Tamilnadu.

TOPIC: "CYBER CRIME INVESTIGATION PROCESS AND LAW"

Organized by:
Department of Information Technology

Day 2

Session IV:

Speaker: Mr. Ajmal Ibn Mohammed Althaf

Topic: *Introduction to Quantum-Safe Cryptography*

The fourth session of the FDP was delivered by Mr. Ajmal Ibn Mohammed Althaf, Founder and CEO of QuantumX. The session, titled "Introduction to Quantum-Safe Cryptography: Quantum Key Distribution and Post-Quantum Cryptography," introduced participants to the emerging field of quantum-resistant security technologies. The speaker explained the impact of quantum computing on modern cryptographic systems and discussed the need for quantum-safe solutions such as Quantum Key Distribution (QKD) and Post-Quantum Cryptography (PQC). The session provided valuable insights into future-ready cybersecurity approaches and emphasized the importance of preparing for the next generation of cryptographic challenges.

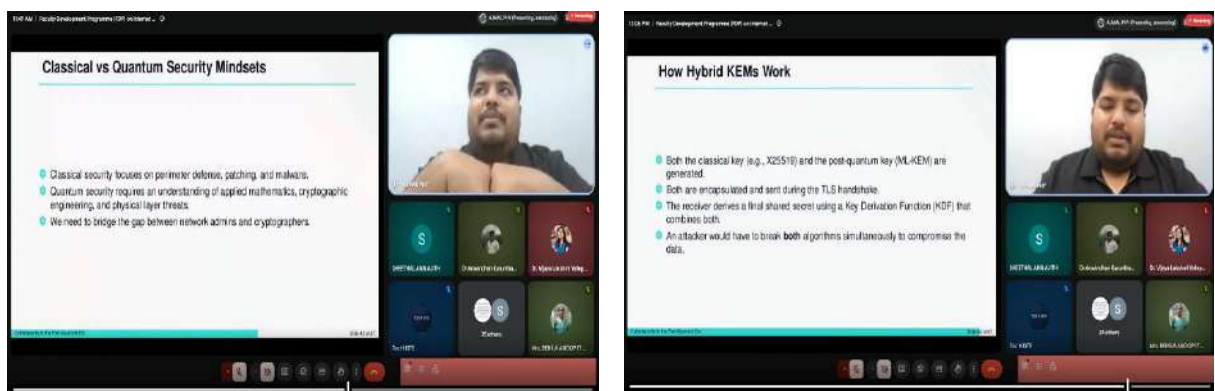


Session V:

Speaker: Mr. Ajmal Ibn Mohammed Althaf

Topic: *Cybersecurity in the Post-Quantum Era: Policy, Education and Institutional Readiness*

The fifth session of the FDP was delivered by Mr. Ajmal Ibn Mohammed Althaf, Founder and CEO of QuantumX. The session, titled "Cybersecurity in the Post-Quantum Era: Policy, Education, and Institutional Readiness," focused on the challenges and opportunities presented by the post-quantum era. The speaker emphasized the need for robust cybersecurity policies, curriculum enhancements, and institutional preparedness to address the evolving threat landscape. He discussed strategies for integrating post-quantum security practices into education, research, and organizational frameworks, enabling institutions to build resilience against future cyber threats. The session provided participants with valuable insights into preparing for the transition to a quantum-secure digital ecosystem.



Session VI:

Speaker: Mr. A. P. Mohammed Rafi

Topic: Cyber Crime Investigation Process and Law

The sixth session of the FDP was delivered by Mr. A. P. Mohammed Rafi, Civil Lawyer, Notary Public, and Former Public Prosecutor, Tamil Nadu. The session, titled "Cyber Crime Investigation Process and Law," provided participants with a comprehensive understanding of the legal framework governing cyber crimes and the procedures involved in cyber crime investigations. The speaker discussed the stages of cyber crime investigation, the collection and preservation of digital evidence, relevant cyber laws, and the roles of law enforcement agencies in handling cyber offences. The session also highlighted the legal challenges associated with cybercrime prosecution and emphasized the importance of legal awareness and compliance in combating cyber threats effectively.



Day 3 (8 July 2026): Session VII, VIII, & IX:

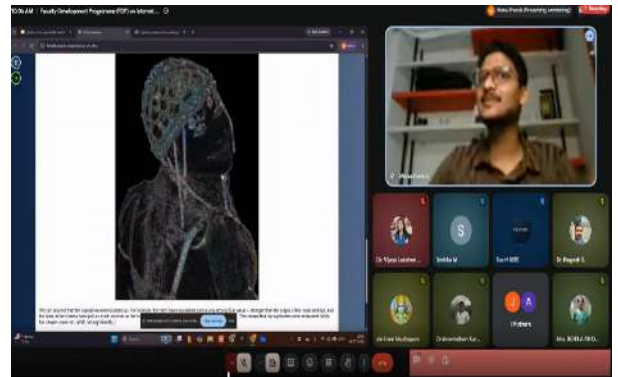
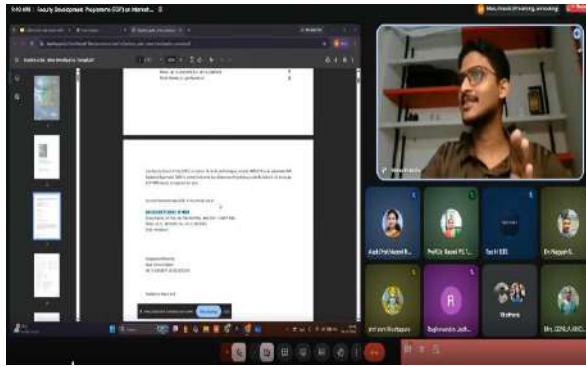


Session VII

Speaker: Mr. Manu Francis

Topic: : Understanding Social Media Crimes

The seventh session of the FDP was delivered by Mr. Manu Francis, Certified Ethical Hacker, Certified SOC Analyst, and Founder of Edwhere Education. The session, titled "Understanding Social Media Crimes," focused on the growing prevalence of cyber crimes committed through social media platforms. The speaker discussed common threats such as identity theft, phishing, cyberbullying, online fraud, fake profiles, misinformation, and privacy breaches. He also shared practical strategies for identifying, preventing, and responding to social media-related cyber threats, while emphasizing the importance of responsible online behaviour and digital awareness. The session equipped participants with valuable knowledge to navigate social media securely and mitigate cyber risks.

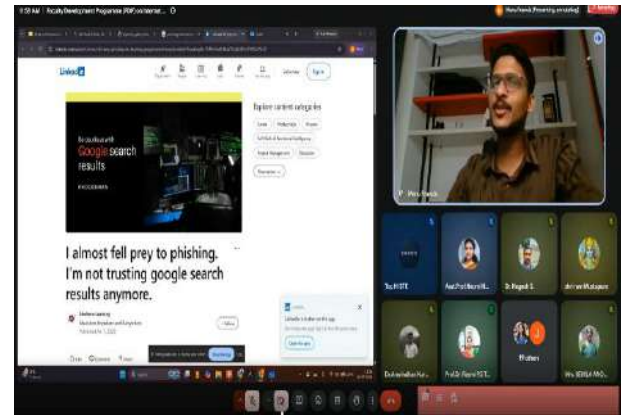
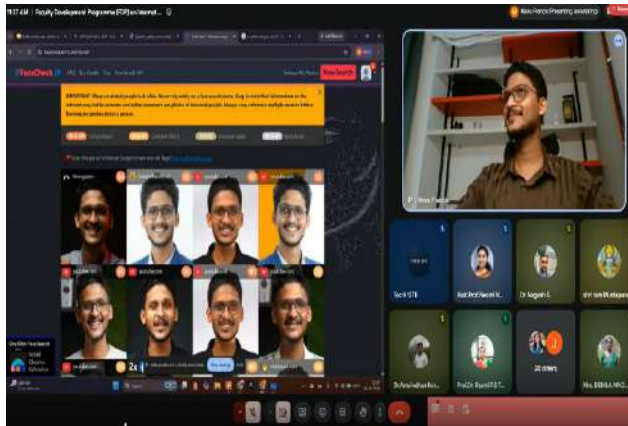


Session VIII:

Speaker: Mr. Manu Francis

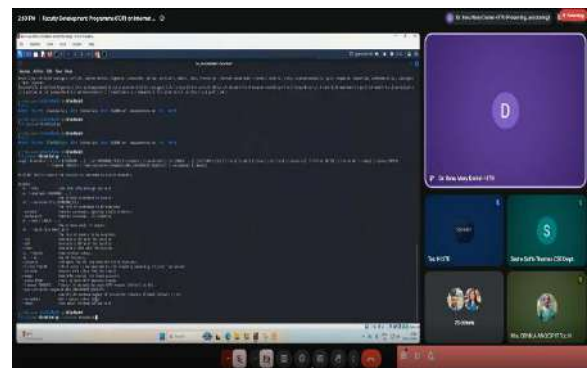
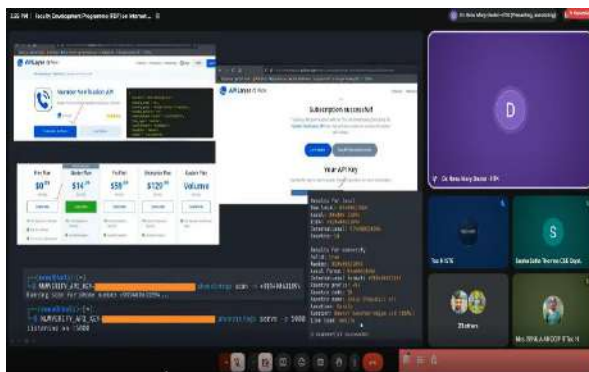
Topic: Using SOCMINT on Social Media Crime

The eighth session of the FDP was delivered by Mr. Manu Francis, Certified Ethical Hacker, Certified SOC Analyst, and Founder of Edwhere Education. The session, titled "Using SOCMINT on Social Media Crime," introduced participants to Social Media Intelligence (SOCMINT) and its applications in cyber crime investigations. The speaker explained how publicly available information from social media platforms can be ethically collected and analyzed to investigate cyber offences, identify digital footprints, and support law enforcement activities. He also demonstrated the use of SOCMINT techniques for threat analysis, evidence gathering, and online investigations while emphasizing the importance of privacy, ethics, and legal compliance. The session provided participants with practical insights into leveraging social media intelligence for effective cyber crime detection and investigation.



Session IX: Digital, Network and Social Media Forensics Using OSINT

The ninth session of the FDP was delivered by Dr. Renu Mary Daniel, Assistant Professor, IIIT Kottayam. The session, titled "Digital, Network and Social Media Forensics Using OSINT," provided participants with an in-depth understanding of Open Source Intelligence (OSINT) and its applications in digital investigations. The speaker explained how publicly available information can be effectively utilized for digital, network, and social media forensics to identify cyber threats, trace digital footprints, and support cyber crime investigations. The session also covered various OSINT tools and techniques, emphasizing their role in evidence collection, incident analysis, and cybersecurity investigations while adhering to ethical and legal standards. Participants gained practical insights into the significance of OSINT in modern forensic and cybersecurity practices.



Day 4 (9 July 2026): Session X, XI, XII-



Session X:

Speaker: Mr. Shibin M. S

Topic: Tools and Techniques for Counter Cyber Security Attacks

The tenth session of the FDP was delivered by Mr. Shibin M. S., Certified Ethical Hacker and Cybersecurity Subject Matter Expert (SME), Phoger Edwhere Learning LLP. The session, titled "Tools and Techniques for Counter Cyber Security Attacks," focused on practical approaches to identifying, preventing, and responding to cyber threats. The speaker introduced participants to a range of cybersecurity tools and techniques used for vulnerability assessment, threat detection, network monitoring, and incident response. Through practical examples and real-world scenarios, he demonstrated how organizations can strengthen their security posture and effectively mitigate cyber attacks. The session provided participants with valuable insights into proactive cybersecurity practices and defensive strategies against evolving cyber threats.

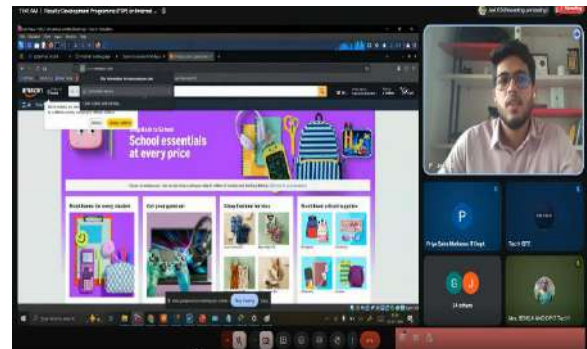


Session XI:

Speaker: Mr. Joel K. S.

Topic: Tools and Techniques for Counter Cyber Security Attacks (Hands-on)

The eleventh session of the FDP was a hands-on training session conducted by Mr. Joel K. S., Sophos Endpoint Architect, Halosec Cyber Defense LLP. Titled "Tools and Techniques for Counter Cyber Security Attacks," the session provided participants with practical exposure to cybersecurity tools and defensive techniques used to detect, analyze, and mitigate cyber threats. Through live demonstrations and guided exercises, participants gained hands-on experience in endpoint security, threat monitoring, incident response, and the effective use of security tools. The interactive session enhanced participants' practical skills and strengthened their understanding of real-world cybersecurity defense mechanisms.

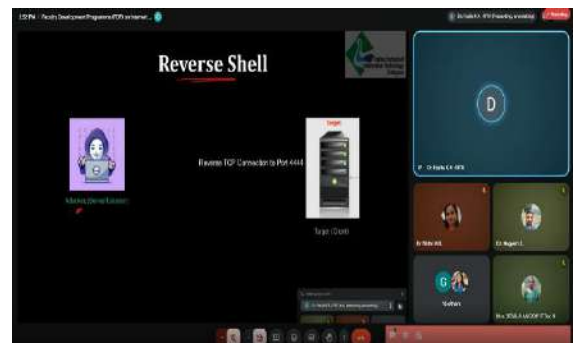


Session XII:

Speaker: Mr. Dr. Fasila K. A

Topic: Penetration Testing in Modern Cybersecurity

The twelfth session of the FDP was delivered by Dr. Fasila K. A., Assistant Professor, IIIT Kottayam. The session, titled "Penetration Testing in Modern Cybersecurity," introduced participants to the concepts, methodologies, and significance of penetration testing in identifying and mitigating security vulnerabilities. The speaker explained the various phases of penetration testing, including reconnaissance, vulnerability assessment, exploitation, and reporting, while emphasizing ethical hacking practices and industry-standard testing frameworks. The session also highlighted the role of penetration testing in strengthening organizational security, ensuring regulatory compliance, and proactively defending against evolving cyber threats. Participants gained valuable insights into modern penetration testing techniques and their application in real-world cybersecurity environments.



Day 5 (10 July 2026): Session XIII, XIV, & XV-

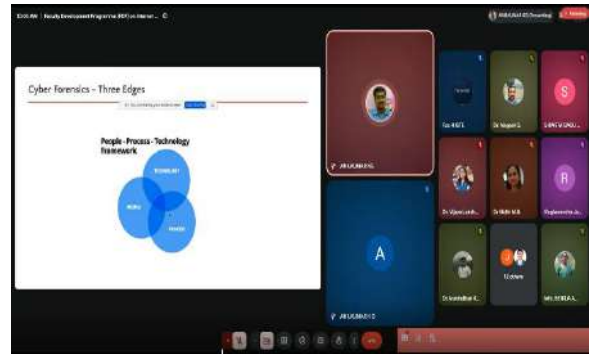


Session XIII:

Speaker: Mr. Anilkumar K. G.,

Topic: Basics of Cyber Forensics

The thirteenth session of the FDP was delivered by Mr. Anilkumar K. G., Cybersecurity Researcher, University of Kerala. The session, titled "Basics of Cyber Forensics," introduced participants to the fundamental concepts and processes involved in cyber forensics. The speaker explained the importance of digital evidence, forensic investigation methodologies, evidence collection and preservation, and the role of cyber forensics in investigating cyber crimes. The session also highlighted the use of forensic tools and best practices for analyzing digital devices while ensuring the integrity and admissibility of evidence. Participants gained a foundational understanding of cyber forensic techniques and their significance in supporting cybersecurity and law enforcement investigations.



Session XIV:

Speaker: Dr. Georgina Binoy Joseph

Topic: National Education Policy (NEP) 2020

The fourteenth session of the FDP was delivered by Dr. Georgina Binoy Joseph, Professor and UG Dean, Toc H Institute of Science & Technology (TIST). The session, titled "National Education Policy (NEP) 2020," provided participants with a comprehensive overview of the vision, objectives, and key reforms introduced under the National Education Policy 2020. The speaker discussed the policy's emphasis on multidisciplinary education, skill development, research and innovation, outcome-based learning, and the integration of technology in higher education. She also highlighted the opportunities and challenges associated with implementing NEP 2020 in educational institutions and its role in enhancing the quality and global competitiveness of the Indian education system. The session offered valuable insights into aligning teaching and learning practices with the transformative goals of NEP 2020.

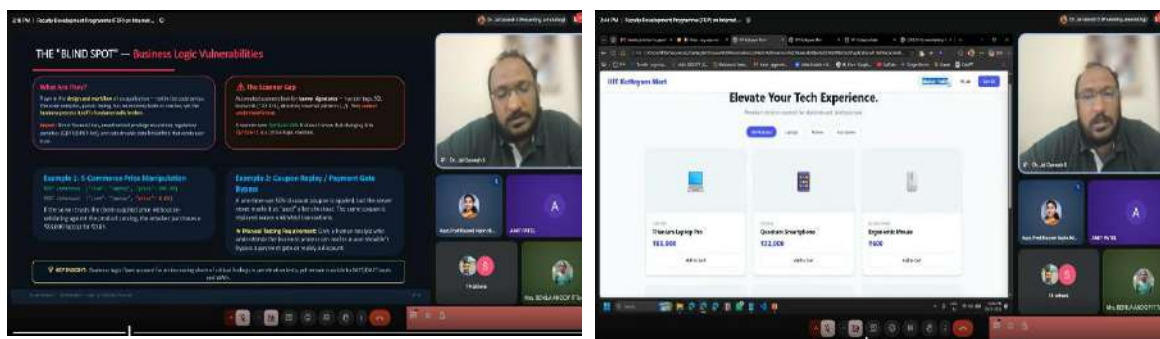


Session XV:

Speaker: Dr. S. Jai Ganesh

Topic: Common Vulnerabilities in Web Applications and Their Exploitation Techniques (Hands-on Session)

The fifteenth session of the FDP was conducted by Dr. S. Jai Ganesh, Assistant Professor, IIIT Kottayam. The session, titled "Common Vulnerabilities in Web Applications and Their Exploitation Techniques (Hands-on Session)," provided participants with practical insights into identifying and mitigating common web application security vulnerabilities. The speaker discussed widely encountered vulnerabilities such as SQL Injection, Cross-Site Scripting (XSS), Cross-Site Request Forgery (CSRF), and authentication flaws, along with their exploitation techniques. Through live demonstrations and hands-on exercises, participants gained practical experience in understanding web application security risks, ethical testing methodologies, and effective mitigation strategies. The interactive session enhanced participants' knowledge of secure web application development and cybersecurity best practices.



Day 6 (11 July 2026): Session XVI, XVII, & XVIII-

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MS. MURCCHANA BARUAH,
(Consultant Psychologist,
Mentally-e)

DR. FASILA K A
(Assistant Professor, IIT
Kottayam)

SESSION XVI
Topic: "Mental & Emotional development"

SESSION XVII
Topic: "Cyber Threat Intelligence Platforms:
An overview"

Organized by:
Department of
Information Technology

Day 6

Session XVI: Mental & Emotional Development

Speaker: Ms. Murcchana Baruah

Topic: Mental & Emotional Development

The sixteenth session of the FDP was delivered by Ms. Murcchana Baruah, Consultant Psychologist, Mentally-e. The session, titled "Mental & Emotional Development," focused on the importance of mental well-being and emotional resilience in both personal and professional life. The speaker discussed strategies for managing stress, enhancing emotional intelligence, maintaining a positive mindset, and achieving a healthy work-life balance. Through interactive discussions and practical insights, participants learned techniques to improve self-awareness, emotional regulation, and overall psychological well-being. The session emphasized the significance of mental health in fostering productivity, resilience, and personal growth.



Session XVII: Cyber Threat Intelligence Platforms – An Overview

The seventeenth session of the FDP was delivered by Dr. Fasila K. A., Assistant Professor, IIIT Kottayam. The session, titled "Cyber Threat Intelligence Platforms – An Overview," introduced participants to the concepts and significance of Cyber Threat Intelligence (CTI) in strengthening organizational cybersecurity. The speaker explained the role of threat intelligence platforms in collecting, analyzing, and sharing information on emerging cyber threats, vulnerabilities, and attack patterns. The session also highlighted how CTI platforms support proactive threat detection, incident response, and informed decision-making through real-time threat analysis. Participants gained valuable insights into the use of threat intelligence for enhancing cyber resilience and protecting digital assets against evolving cyber threats.



Session XVIII: Evaluation Test and Validatory Session

The final session of the FDP comprised the Evaluation Test followed by the Valedictory Session, marking the successful conclusion of the ISTE-BNY One Week Knowledge Enhancement Programme – 2026. The evaluation test assessed the participants' understanding of the topics covered throughout the programme. During the valedictory session, the organizers reflected on the key outcomes of the FDP and expressed their gratitude to the distinguished resource persons, ISTE, BNY, and the organizing committee for their valuable contributions. The programme concluded with a vote of thanks.