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**COLLEGE OF ENGINEERING
AND MANAGEMENT**
Whitefield, Bengaluru



1. Activity/Event Name: **FDP on “Cybersecurity in the AI Era”– Quarter 4**
2. Thrust Area of the Event/Program: **Cybersecurity Governance and Compliance**
3. Level of the Activity/Program: **03**
4. Semester of the Event Conducted: **Semester II**
5. Quarter of the event conducted: **Quarter 4 in JULY 2026**
6. Date of the Event/Program/etc: **13 JUL 2026 to 18 JULY 2026**
7. Duration of the Event/Program: **1080 minutes**
8. Number of faculty participations: **95**
9. Number of Students Participated: **NA**
10. Funds utilized for the Event/Program: **Rs.25000**
11. Department: **Department of CSE and CSE(AI&ML) in collaboration with IIC - GCEM**
12. **Objective:** The Faculty Development Program is designed to build a strong foundation in cybersecurity principles among faculty while equipping them with an understanding of how Artificial Intelligence is reshaping both cyber threats and cyber defense. The program focuses on core security concepts such as the CIA Triad, cyber assets, and emerging threats like ransomware, phishing, and AI-driven attacks, while also exploring how AI enables proactive threat detection, anomaly analysis, and predictive defense. Participants gain exposure to modern security architectures including Zero Trust and Identity and Access Management (IAM/MFA), as well as domain-specific areas such as blockchain security, smart contract vulnerabilities, and cloud security compliance. The FDP also builds practical skills in ethical hacking, penetration testing, digital forensics, and incident response, and addresses regulatory readiness through a dedicated session on the DPDP Act 2023, covering consent management and data fiduciary obligations. The program concludes with an interactive quiz to reinforce learning outcomes, aiming to prepare faculty to teach, research, and safeguard institutional systems in an AI-driven threat landscape.
13. **Summary:** The six-day Faculty Development Program on "Cybersecurity in the AI Era" was conducted in online mode to strengthen faculty understanding of cybersecurity



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fundamentals and their intersection with artificial intelligence. The program progressed from foundational concepts (Day 1) to AI-powered threat intelligence (Day 2), Zero Trust and identity-centric defense (Day 3), blockchain and cloud security (Day 4), ethical hacking and digital forensics alongside DPDP Act compliance (Day 5), and concluded with a quick quiz and feedback submission (Day 6). Sessions combined conceptual instruction with discussion of real-world threats and defense mechanisms, following the planned schedule with mandatory attendance across all six days. Certificates were issued to participants who attended all sessions and completed the assessment and feedback forms.

14. Benefits: Participants gained a structured understanding of core cybersecurity goals (Confidentiality, Integrity, Availability) and how emerging threats — including AI-driven attacks and zero-day exploits — are evolving. The AI-Powered Cybersecurity and Threat Intelligence sessions helped faculty understand how AI is used for anomaly detection and predictive defense. The Zero Trust and IAM/MFA sessions equipped participants with identity-centric security frameworks applicable to institutional systems. The Blockchain Security and Cloud Security sessions introduced smart contract vulnerabilities, decentralized trust models, and cloud compliance requirements. The Ethical Hacking, Digital Forensics, and Incident Response session gave practical exposure to penetration testing and evidence collection processes, while the DPDP Act 2023 session ensured faculty are aware of data protection obligations and privacy governance relevant to their institutions. Overall, the FDP enhances faculty capability to teach cybersecurity concepts, contribute to secure institutional practices, and stay current with the evolving AI-security landscape.

15. Registration details/Attendance Sheet: Registration details



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16. FeedbackForm:



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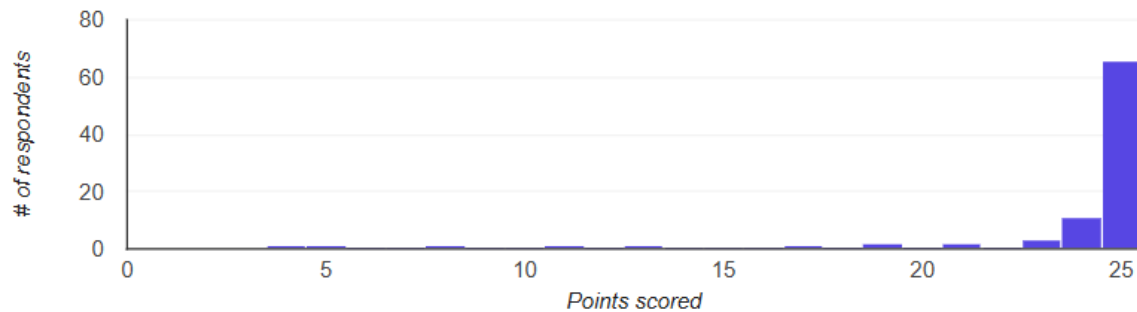
Insights

Average
23.57 / 25 points

Median
25 / 25 points

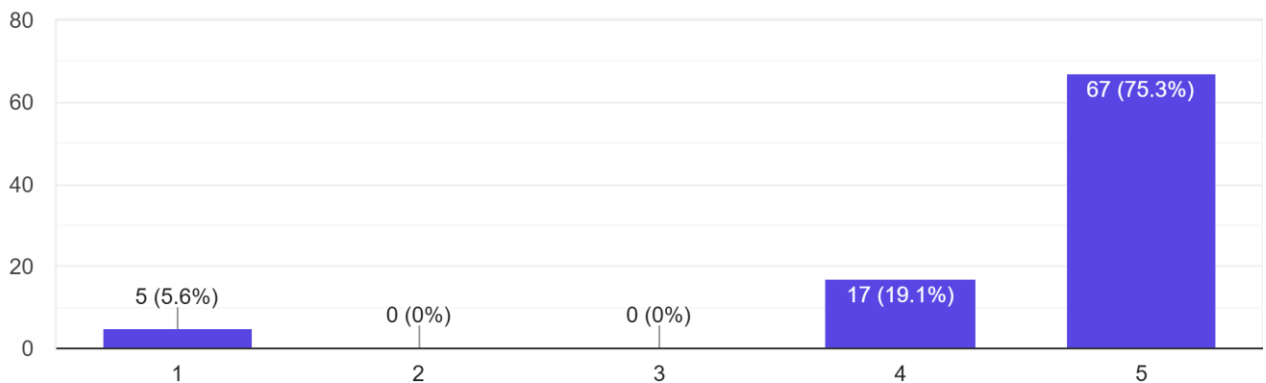
Range
4 - 25 points

Total points distribution



Overall, how would you rate the Faculty Development Program? (5 - Excellent)

89 responses





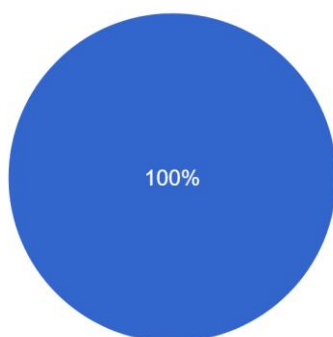
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The FDP met my learning expectations.

89 responses



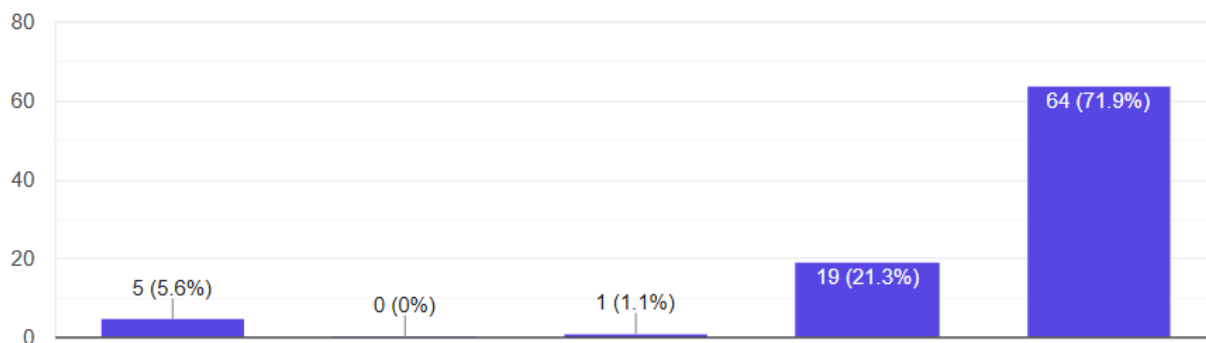
● Yes
● No

The sessions were well organized and delivered effectively. (5 - Excellent)

 [Copy chart](#)

89 responses

Average rating (4.54)



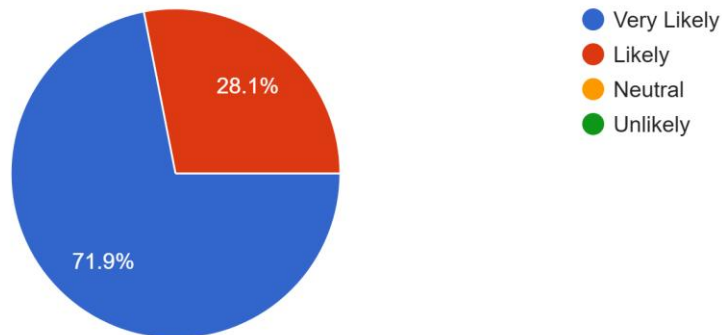


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How likely are you to recommend this FDP to your colleagues?

89 responses



Please share your key takeaway and any suggestions for improving future FDP sessions.

89 responses

Overall FDP was good and informative

It was informative session overall.

All was good and perfect

Attending this FDP gave me a clear understanding of how cybersecurity is evolving in the age of AI and why it is becoming essential across all domains. I learned how AI can be used to detect threats proactively while also creating new security challenges. The sessions on Zero Trust, identity management, blockchain, and cloud security helped me understand practical approaches to building secure systems. I also gained valuable insights into ethical hacking, digital forensics, and responding effectively to cyber incidents. Overall, the program strengthened my awareness of cybersecurity best practices, data privacy, and the importance of staying updated with emerging technologies and regulations.

All sessions were good. plan for more hands -on sessions

Overall good



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17. Flyers of the Event/Program –



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6 DAYS FACULTY DEVELOPMENT PROGRAM ON CYBER SECURITY IN THE AI ERA

Organized by Department of CSE In collaboration with CSE (AI&ML)

Resource Persons:

Sunil Subrahmanyam Yadavalli Vice President, IDS Pvt Ltd. Hyderabad	Nikita Gugale Senior Blockchain Engineer and SME-Blockchain, IDS Pvt Ltd.	Deepika Annapurna Cybersecurity Enthusiast
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Instructions:

- Open for all research scholars, faculty, and industry personnel.
- Participant can join in online mode using shared Team link.
- Attendance is mandatory on all the 6 days.
- E-Certificates will be issued those who attended on all 6 days and after the submission of Assessment and Feedback form.

13th to 18th
JULY
2026

Time: 10 am to 1 pm
Mode: Online
Registration Fees: 300/-



SCAN FOR REGISTRATION



Contact:

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Dr. Swathi Y HOD - CSE	Dr. Manoj Challa HOD - CSE (AI&ML)	Dr. Nageswara Rao IIC - President	Dr. Arun Vikas Singh Principal, GCEM
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TOPICS

- Foundations of Cybersecurity and Emerging Threat Landscape.
- AI-Powered Cybersecurity and Threat Intelligence.
- Zero Trust Security Architecture and Identity-Centric Defense.
- Blockchain Security and Decentralized Trust Models.
- Cloud Security, Compliance
- Ethical Hacking, Digital Forensics, and Incident Response.
- DPDP Act 2023: Data Protection, Privacy Governance, and Compliance.

RESOURCE PERSONS

Sunil Subrahmanyam Yadavalli
Vice President, IDS Pvt Ltd. Hyderabad

Nikita Gugale
Senior Blockchain Engineer and SME-Blockchain

Deepika Annapurna
Cybersecurity Enthusiast

TO REGISTER SCAN QR



Registration Fees: Rs. 300/-

CHIEF PATRONS

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Sunitha Prabhakar
Director, Gopalan Organics, Bangalore

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Principal, GCEM

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Dr. Nageswara Rao
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Prof. Shwetha S
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FDP Coordinator

- Participant can join in online mode using shared Team link.
- E-Certificates will be issued to those who attended on all 6 days and after the submission of Assessment and Feedback form.



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*Faculty Development Program on
Cybersecurity in the AI Era*

13-07-26 to 18-07-26

10 AM to 1 PM



Organized by

Department of Computer Science & Engineering

In collaboration with

Department of Computer Science & Engineering (AI&ML)

Gopalan College of Engineering and Management

Behind SAP Labs, Hoodi,

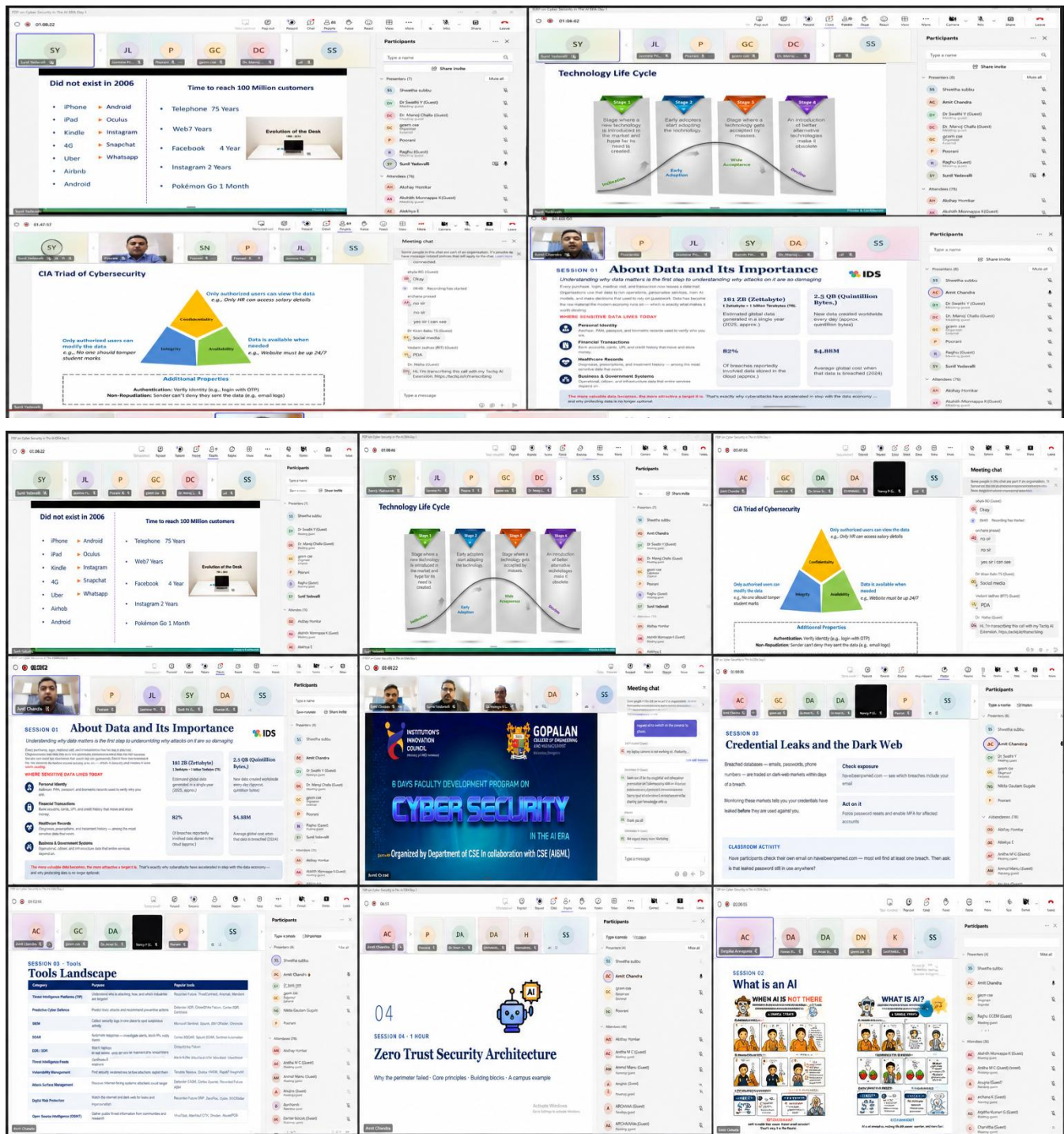
Bangalore - 560049



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18. Photo Collage of the Event/Program –





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DAY 1

Session 01: About Data and Its Importance

Understanding why data matters is the first step to understanding why attacks on it are so damaging.

Every purchase, login, medical visit, and transaction now leaves a data trail. Organizations use that data to not only optimize, generate revenue, but also to market, and make decisions. But what if that data is stolen? Data has become the new oil of the modern economy and is what is exactly what makes a company valuable.

181 ZB (Zettabyte)
1 Zettabyte = 1 billion Terabyte (TB)
Estimated global data generated in a single year (SDS, approx.)

82%
Of breaches reported involved data stored in the cloud (approx.)

\$4.8M
Average global cost per data breach (2019)

WHERE SENSITIVE DATA LIVES TODAY

- Personal Identity**
Aadhaar, PAN, passport, and biometric records
- Financial Transactions**
Bank accounts, cards, UPI, and credit history
- Healthcare Records**
Diagnoses, prescriptions, and treatment history
- Business & Government Systems**
Operational, citizen, and infrastructure data

The more valuable data becomes, the more attractive a target it is. That's why protecting data is no longer just a good idea, it's a legal requirement.

DAY 2

Session 02: Cloud Security & Compliance

Cloud Identity & Access Management (CIAM) with Multi-Factor Authentication (MFA)

Cloud Identity & Access Management (CIAM) is the foundation of secure access to cloud services. It ensures that the right people have access to the right resources at the right time.

Deepika Annapurna
Information Security Specialist
Intuitive Data Solutions Pvt. Ltd.

DAY 3

Session 03: Credential Leaks and the Dark Web

Breached databases — emails, passwords, phone numbers — are traded on dark-web markets within days of a breach.

Check exposure: [haveibeenpwned.com](#) — see which breaches include your email

Act on it: Force password resets and enable MFA for affected accounts

Monitoring these markets tells you your credentials have leaked before they are used against you.

CLASSROOM ACTIVITY
Have participants check their own email on [haveibeenpwned.com](#) — most will find at least one breach. Then ask: is that leaked password still in use anywhere?

DAY 4

Session 04: AI-Powered Cybersecurity

AI for defence and offence

Anomaly Detection: AI learns normal behaviour and flags unusual activities.

User Behaviour Analytics: Detect insider threats and account takeovers.

Automated Response: AI-driven SOAR to contain incidents faster.

DAY 5

Session 05: Identity-Centric Defense

Identity and Access Management (IAM) with Multi-Factor Authentication (MFA)

Strong Identity: Verify who users are

Least Privilege Access: Give only what is needed

Multi-Factor Authentication: Add extra layer of security

Continuous Monitoring: Detect & respond quickly

Deepika Annapurna
Information Security Specialist
Intuitive Data Solutions Pvt. Ltd.

DAY 6

Session 06: Ethical Hacking Methodology

A repeatable, professional workflow — not random probing

Planning, Recon, Scanning, Finding Vulns, Validation, Reporting

Each stage appears in sequence as we present — click to advance

DAY 7

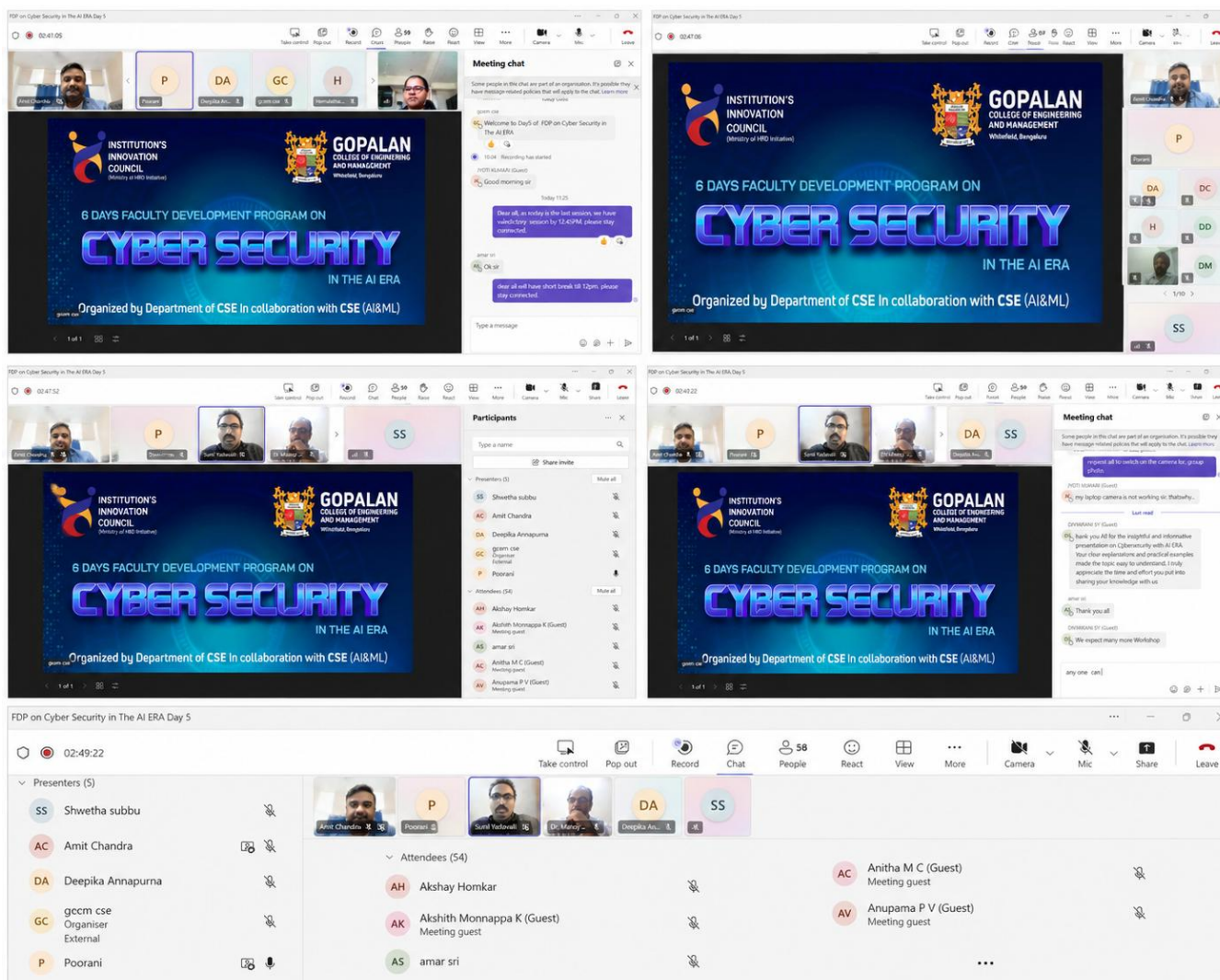
Session 07: How University Falls Under DPOA Compliance

The Digital Personal Data Protection Act, 2023 applies to every organization that collects, uses, stores or processes personal data — Universities are no exception.

KEY TAKEAWAY
As an educational institution, you are a custodian of trust. Complying with DPDP helps you protect personal data, ensure digital safety, and strengthen stakeholder confidence.



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19. Social Media Handles:

Social Media Handles	
Instagram	https://www.instagram.com/p/DbCz-GxG9pF/?igsh=MXF4dGc0MGo1MzZ3OQ==
LinkedIn	https://www.linkedin.com/posts/gcem_cybersecurity-artificialintelligence-facultydevelopmentprogram-ugcPost-7485210685199564800-7kJn/?utm_source=share&utm_medium=member_android&rcm=ACoAABVzFK0BoYzpcd0Gi9E1Ba4z6rrLmU9moHQ

20. Details of the Resource Person/Speaker/Expert/Judge/Evaluator



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S. No	Particulars	Details
1	Name of the Speaker/Expert	Mr. Sunil Subrahmanya Yadavalli
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3	Designation	Vice President
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6	Address of the Speaker	Vice President, IDS, Industry Expert -Blockchain, DPDP, IAM, Ministry of Electronics & Information Technology (MeiTY)
S. No	Particulars	Details
1	Name of the Speaker/Expert	Mr. Amit Chandra
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6	Address of the Speaker	Senior Blockchain Engineer and Subject Matter Expert at IDS
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21. Names of the Faculty Coordinator: Dr. Poorani M and Mrs. Shwetha S

22. Names of the Student Coordinator: NA

Prepared By
Faculty Coordinator

Verified by
Department HoD

Approved by
IIC President