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MANGALMAY
INSTITUTE OF MANAGEMENT TECHNOLOGY

22 YEARS ANNIVERSARY

NAAC ACCREDITED 2020

VALUE ADDED CERTIFICATION COURSE

On

"Cyber Security : Threats and Measures"

Course: B.Ed. II Year

Date: 25th September, 2023 to 17th October, 2023

Resource Person

Ms. Pooja Mishra
Assistant Professor, MIMT
Greater Noida

<u>Schedule of Certification Course on "Cyber Security: Threats and Measures"</u>

Duration: 30 hours

S.No.	Resource Person	Topic Covered	Date & Time
1	Ms. Pooja Mishra	Definition and scope of cyber security Importance of cyber security in modern life	25th September, 2023 2:00 pm - 4:00pm
2	Ms. Pooja Mishra	Essential components of cyber security Basic rules of cyber security	26th September, 2023 2:00 pm - 4:00pm
3	Ms. Pooja Mishra	Ethical and legal aspects of cyber security	27th September, 2023 2:00 pm - 4:00pm
4	Ms. Pooja Mishra	Overview of Cyber Law and Regulations	29th September, 2023 2:00 pm - 4:00pm
5	Ms. Pooja Mishra	Introduction to Cyber Threats Common cyber threats	3rd October, 2023 2:00 pm - 4:00pm
6	Ms. Pooja Mishra	Cyber crime and its types	4th October, 2023 2:00 pm - 4:00pm

7	Ms. Pooja Mishra	Phishing and social engineering attacks Insider threats and data breaches	5th October, 2023 2:00 pm - 4:00pm
8	Ms. Pooja Mishra	Data privacy and security E-Commerce, Digital payments and its security	6th October, 2023 2:00 pm - 4:00pm
9	Ms. Pooja Mishra	Social media safety and privacy	9th October, 2023 2:00 pm - 4:00pm
10	Ms. Pooja Mishra	Cyber security of digital devices	10th October, 2023 2:00 pm - 4:00pm
11	Ms. Pooja Mishra	Tools and technology for cyber security	11th October, 2023 2:00 pm - 4:00pm
12	Ms. Pooja Mishra	Importance of cyber security in educational institutions	12th October, 2023 2:00 pm - 4:00pm
13	Ms. Pooja Mishra	Integrating cyber security awareness into curriculum and teaching practices	13th October, 2023 2:00 pm - 4:00pm
14	Ms. Pooja Mishra	Strategies for creating a cyber-safe learning environment	16th October, 2023 2:00 pm - 4:00pm

15	Ms. Pooja Mishra	Exploring cyber security career paths	17th October, 2023 2:00 pm - 4:00pm

Certification Course on "Cyber Security: Threats and Measures"
Duration: 30 Hours

UNIT 1: Introduction to Cyber Security
- Definition and scope of cyber security
- Importance of cyber security in modern life
- Essential components of cyber security
- Basic rules of cyber security
- Ethical and legal aspects of cyber security
- Overview of Cyber Law and Regulations

UNIT 2: Cyber Threats

- Introduction to Cyber Threats
- Common cyber threats
- Cyber crime and its types
- Phishing and social engineering attacks
- Insider threats and data breaches

UNIT 3: Security Measures

- Data privacy and security
- E-Commerce, Digital payments and its security
- Social media safety and privacy
- Cyber security of digital devices
- Tools and technology for cyber security

UNIT 4: Cyber Security in Education

- Importance of cyber security in educational institutions
- Integrating cyber security awareness into curriculum and teaching practices
- Strategies for creating a cyber-safe learning environment
- Exploring cyber security career paths

22nd September,2023

<u>NOTICE</u>

We are excited to inform B.Ed. 2nd-year students about the upcoming Certification Course on

"**Cyber Security: Threats and Measures"** scheduled from 25th September, 2023, to 17th

October, 2023. Throughout the course, you will delve into topics such as common cyber

threats, cybercrime types, phishing attacks, social engineering, insider threats, and data

breaches. These insights are essential in today's interconnected world, empowering you to

navigate digital landscapes securely and responsibly.

Course Details:
- **Timing :** 2:00 pm to 4:00 pm
- **Resource Person:** Ms. Pooja Mishra

Course certificate will be issued after the successful completion of the course.It's mandatory

for all the registered students to attend all the classes regularly.

Annexure:
Syllabus
Schedule

CC to:
Principal
IQAC Coordinator
HODs
Faculty Members
Notice Board
Office File

Report	
Name of the Course	Certification Course on **"Cyber Security: Threats and Measures"**
Date	25th September, 2023, to 17th October, 2023
Venue	Classroom,Block C,MIMT
Organized by	Department of Education,MIMT
Participated by	60 Students of B.Ed. 2nd year
Activity -In charge	Dr. Isha Varshney,Assistant Professor,Department of Education,MIMT
Resource Person	Ms. Pooja Mishra,Assistant Professor,Department of Education,MIMT
Objective	On completion of Certification Course on "Cyber Security: Threats and Measures", the prospective teacher educator will be able to: • Understand what cyber threats are, like viruses, fake emails, and hacking. • Learn how to keep digital information safe with things like passwords and security software • Develop awareness and skills to detect and mitigate phishing and social engineering attacks. • Identify different types of online crimes, like stealing someone's identity or bullying online. • Follow rules and laws about cybersecurity to keep everything legal and safe. • Stay up-to-date with new ways to stay safe online and keep learning about cybersecurity.

Content	**Planning & Execution**: Dr. Isha Varshney was assigned the responsibility to conduct the course. The proposal was forwarded to the Management to get it approved. It was accepted on 21st September, 2023. Thereafter, Ms. Pooja Mishra (Assistant Professor, MIMT) was approached to conduct the course. They were convinced and sent course schedule. The Plan of Action was prepared. Day wise Activity: **Day 1 (25th September, 2023)** On the First day in Session-1, During the initial session of the course, Ms. Pooja Mishra provided a comprehensive overview of cyber security, covering its definition and scope. She explained how it's really important in our daily lives to protect our personal information, prevent cybercrimes, make sure businesses can keep running smoothly, and even protect our country's important digital stuff. **Day 2 (26th September, 2023)** On the Second day in Session-2, Ms. Pooja Mishra focused on the essential components and basic rules of cyber security. The essential components include protecting digital systems, networks, and data from unauthorized access, as well as implementing measures such as data encryption, network security protocols, and identity management. The basic rules of cyber security emphasize the importance of using strong passwords, keeping software and systems updated, being cautious of suspicious emails and links, and regularly backing up data. These topics were discussed in detail, providing students with foundational knowledge and practical guidelines for maintaining cyber security in their personal and professional lives. **Day 3 (27th September, 2023)** On the Third day in Session-3, Ms. Pooja Mishra led the discussions on the ethical and legal aspects of cyber security. This included exploring ethical considerations in digital information handling, user privacy, and ethical hacking practices. She also encourages students to actively participate and provides real-world examples to enhance their understanding and application of ethical and legal principles in cyber security. **Day 4 (29th September, 2023)** On the Fourth day in Session-4, She focused on an overview of cyber law and regulations. This included discussions on various legal frameworks governing cyber space, such as data protection laws,

intellectual property rights, cybercrime legislation, and regulations related to digital transactions and online activities. Students gained insights into the legal aspects of cyber security, including the importance of compliance with cyber laws and regulations in ensuring data protection, privacy, and digital rights.

Day 5 (3rd October, 2023)

On the Fifth day in Session-5, Ms. Pooja Mishra introduce the concept of cyber threats, focusing specifically on common cyber threats. This included discussions on various types of cyber threats such as malware, phishing attacks, ransomware, and other common cyber threats that pose risks to digital systems and data security. Students gained insights into the nature of these threats, their characteristics, and the potential impacts they can have on individuals, organizations, and society as a whole.

Day 6 (4th October, 2023)

On the Sixth day in Session-6, In this session, she explored cybercrime and its various types. This included discussions on different forms of cybercrime such as hacking, identity theft, cyberbullying, financial fraud, and other malicious activities conducted in the digital space.

Day7(5thOctober,2023)

On the Seventh day in Session-7, Ms. Pooja Mishra discussed about phishing and social engineering attacks, as well as insider threats and data breaches. This included in-depth discussions on how phishing and social engineering attacks target individuals and organizations through deceptive tactics to steal sensitive information. She also includes real-world examples into the discussion to illustrate the significance and impact of phishing, social engineering attacks, insider threats, and data breaches. Students were actively involved in discussions, sharing their insights, experiences, and perspectives on cybersecurity. This interactive approach not only made the session interesting but also enhanced learning outcomes by fostering critical thinking and deeper understanding of cyber threats and their implications.

Day8(6ᵗʰOctober,2023)

On the Eight day in Session-8, She discussed data privacy and security, focusing on protecting personal information online. We also covered e-commerce and digital payments, highlighting security measures for safe online transactions. Students learned about

safeguarding data and ensuring secure financial transactions in digital environments.

Day 9(9th October, 2023)

On the Ninth day in Session-9, She emphasized social media safety and privacy. This included discussions on best practices for maintaining privacy settings, handling personal information responsibly, and identifying and avoiding potential online threats on social media platforms. Students gained practical tips and strategies to enhance their safety and privacy while using social media.

Day 10 (10th October, 2023)

On the tenth day in Session-10, In this session, Ms. Pooja Mishra focused on the cyber security of digital devices. This session covered topics such as securing computers, smartphones, and other digital devices from cyber threats like malware, viruses, and unauthorized access. Students learned practical strategies to protect their devices, including using strong passwords, keeping software updated, and being cautious with downloads and online activities.

Day 11 (11th October, 2023)
On the eleventh day in Session-11, Ms. Pooja Mishra explored tools and technologies for cyber security. This included discussions on various software tools, encryption methods, firewalls, intrusion detection systems, and other technologies used to protect digital systems and data from cyber threats. Students gained insights into the latest advancements in cyber security technology and learned how these tools can enhance overall cyber security posture.

Day12(12th October, 2023)
On the Twelfth day in Session-12, Today's session she highlighted the importance of cyber security in educational institutions. She discussed the potential cyber threats faced by educational institutions, such as data breaches, phishing attacks, and malware infections, and explored strategies to mitigate these risks. Students gained an understanding of why cyber security is essential in ensuring the confidentiality, integrity, and availability of educational resources and the overall safety of the learning environment.

Day 13(13th October, 2023)
On the next day in Session-13, Ms. Pooja Mishra focused on integrating cyber security awareness into curriculum and teaching practices. This session emphasized the importance of incorporating cyber security concepts, best practices, and ethical considerations into educational curriculum across various subjects. She discussed strategies for teaching students about online safety, responsible

	digital citizenship, and the importance of protecting personal information.
	Day 14 (16th October, 2023) On the fourteenth session-14, she focused on strategies for creating a cyber-safe learning environment. This session focused on implementing measures to ensure the safety and security of digital resources, student data, and online interactions within educational settings **Day 15 (17th October, 2023)** On the last day in Session-15, Ms. Pooja Mishra explored various career paths in cyber security. This session focused on discussing different roles and opportunities available in the cyber security field. Students gained insights into potential career paths in cyber security and learned about the steps they can take to protect against cyber crime. The students expressed satisfaction with the course and their enhanced understanding of Cyber Security

Outcomes	Outcomes of Certification Course on **"Cyber Security: Threats and Measures"**:
	• Increased awareness of cybersecurity threats and risks.
	• Improved digital literacy and online safety practices.
	• Ability to assess and manage cybersecurity risks effectively.
	• Skills in protecting sensitive data through encryption and secure practices.
	• Knowledge and readiness to respond to cybersecurity incidents.
	• Understanding of cybersecurity laws and compliance requirements.
	• Integration of cybersecurity principles into educational contexts.
	• Enhanced career opportunities in cybersecurity or educational leadership.

Glimpse of Certification Course, Value Added Course on "**Cyber Security: Threats and Measures"**

Mangalmay Institute of Management Technology
Greater Noida (U.P.)

List of Registered Students Certification Course on "Cyber Security: Threats and Measures"

Sr.No.	Registration No./Roll No.	Name	Registered Status	Completion Status
1	230992010001	AANCHAL	Registered	Completed
2	230992010002	AARTI	Registered	Completed
3	230992010003	AARTI KUMARI	Registered	Completed
4	230992010004	ABHINANDAN KUMAR	Registered	Completed
5	230992010005	ABHISHEK KUMAR	Registered	Completed
6	230992010006	ABHISHEK TRIVEDI	Registered	Completed
7	230992010007	ADARSH	Registered	Completed
8	230992010008	ADITI AWANA	Registered	Completed
9	230992010009	AHMAD WAHIDI	Registered	Completed
10	2309920100011	AKASH PANDEY	Registered	Completed
11	2309920100012	AKASH RAI	Registered	Completed
12	2309920100013	AKRITI MISHRA	Registered	Completed
13	2309920100014	AMAN RAJ	Registered	Completed
14	230992010016	AMINA HASHMI	Registered	Completed
15	230992010018	ANAND SHUKLA	Registered	Completed

16	230992010019	ANJALI	Registered	Completed
17	230992010020	ANJALI	Registered	Completed
18	230992010021	ANJALI	Registered	Completed
19	230992010022	ANJALI	Registered	Completed
20	230992010023	ANKITA RAI	Registered	Completed
21	230992010025	ANSHU	Registered	Completed
22	230992010026	ANURADHA BISHT	Registered	Completed
23	230992010027	ARCHANA GUPTA	Registered	Completed
24	230992010028	ARTI KUMARI	Registered	Completed
25	230992010029	ARTI YADAV	Registered	Completed
26	230992010030	ASHU	Registered	Completed
27	230992010031	ASHUTOSH DWIVEDI	Registered	Completed
28	230992010032	AVANTIKA KOLI	Registered	Completed
29	230992010033	BHANU PRAKASH	Registered	Completed
30	230992010034	BHARAT LAL JAISWAL	Registered	Completed
31	230992010035	BHAWANA KUMARI	Registered	Completed
32	230992010036	BIBI SONAM	Registered	Completed
33	230992010037	CHEENU	Registered	Completed

34	230992010038	DEVENDRA PRATAP	Registered	Completed
35	230992010039	DHARMENDRA	Registered	Completed
36	230992010040	DINESH KUMAR YADAV	Registered	Completed
37	230992010190	DIVYA BHATI	Registered	Completed
38	230992010042	EKTA	Registered	Completed
39	230992010043	GANESH SAHU	Registered	Completed
40	230992010044	GARGI	Registered	Completed
41	230992010046	GUNJAN KUMARI	Registered	Completed
42	230992010047	HIMANI	Registered	Completed
43	230992010048	HIMANSHU PRIYA	Registered	Completed
44	230992010049	KAJAL	Registered	Completed
45	230992010050	KAJAL KUMARI	Registered	Completed
46	230992010051	KAJAL NAGAR	Registered	Completed
47	230992010052	KAJAL SHARMA	Registered	Completed
48	230992010054	KALPNA SHARMA	Registered	Completed
49	230992010055	KANCHAN KUMARI	Registered	Completed
50	230992010057	KHUSHBOO KUMARI	Registered	Completed
51	230992010058	KIRAN	Registered	Completed
52	230992010059	KIRTI	Registered	Completed

53	230992010060	KM ANJALI SINGH	Registered	Completed
54	230992010061	KM DEEPA RANI	Registered	Completed
55	230992010062	KM KAJAL	Registered	Completed
56	230992010063	KM KOMAL	Registered	Completed
57	230992010065	KM PRIYA MISHRA	Registered	Completed
58	230992010066	KM PRIYANSHA	Registered	Completed
59	230992010067	KM PRIYANSHI KESHARWANI	Registered	Completed
60	230992010068	KM SHIVANI TYAGI	Registered	Completed

Expert Profile

Ms. Pooja Mishra

Qualification: M.Sc. (Mathematics), M.Ed., UGC NET(Education), CTET

Experience:1.5 years

Area of Interest: Psychology, Mathematics Education & Pedagogy, Education Technology