SURENDRANATH EVENING COLLEGE

30 Hours Add-on Course On

"Awareness of Cyber Security"

Organized by

Department of Computer Science

In collaboration with IQAC

Date: 01.08.2023

Time: 2.15 PM – 4.15 PM

Course Duration: 30 Hours

Venue: Computer Science Department

Principal
Surendranath Evening College
Kolkata - 700009

SURENDRANATH EVENING COLLEGE

[Established in 1961]
Affiliated to the University of Calcutta
24/2, MAHATMA GANDHI ROAD, KOLKATA - 700 009
Phone : 033 2985-9011, E-mail : snevening@ymail.com
Website : www.surendranatheveningcollege.com
(NAAC Re-accredited in 2016)

Date: 14.07.2023

Notice

A ***30 hours*** Add-On course on *"Awareness of Cyber Security"* will be organized by the department of *Computer Science* in association with **IQAC**, *Surendranath Evening College* in offline mode only, which will be commenced on and from 01.08.2023.

Those (other than Computer Science students) who are interested to join the course are requested to collect the registration form from Computer Science department and do their registration as early as possible.

Prerequisites: Any pursuing undergraduate students.

DR. Himadri Nath Saha

(HOD, Dept. of Comp. Sc.)

Dr. Jafor Ali Akhan 14.07.23

Principal

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Surendranath Evening College
Kolkata - 700009

Course Objectives

Department of Computer Science, Surendranath Evening College is introducing a 30 hours Add-on course to impart the knowledge on Awareness of Cyber Security to manage the regular hazards faced by the e-user among the pursuing undergraduate students in the college.

Eligibility: Any pursuing undergraduate student from all departments.

Course Outcome

- Students will learn what common Cyber threats are.
- They will learn how to maintain Data Privacy and Device Security.
- What measure they follow for remote work securely.
- Precaution required during use of Public Wi-Fi
- Need to maintain Password Hygiene

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Add-On course on "Awareness of Cyber Security"

By

Department of Computer Science

Course Structure

Name of the Topic	No. of Hours	Faculty Name
Common Cyber Threats: Phishing and Social Engineering: Recognizing phishing emails, malicious links, and social engineering tactics. Malware: Understanding different types of malware (viruses, ransomware, Trojans) and how they spread.	(08 hours)	Himadri Nath Saha
Data Privacy and Device Security: Data Privacy: Recognizing sensitive information and protecting personal data. Safe Online Practices Secure Browsing: Identifying safe websites, using HTTPS protocols, and being cautious with downloads Device Security: Keeping software updated, using firewalls, and managing device security settings	(08 hours)	Shukdeb Paul
Password Hygiene & Public Wi-Fi Usage: Password Hygiene: Creating strong passwords, avoiding password reuse, and utilizing multi-factor authentication. Public Wi-Fi Usage: Understanding risks of using public Wi-Fi and proper precautions to take Incident Response: Reporting Suspicious Activity: Knowing when and how to report potential cyber threats to the appropriate channels Data Breach Response: Understanding steps to take in case of a data breach	(07 hours)	Himadri Nath Saha
Remote Work Security: Safe practices for working from home, including secure network connections and data protection. Mobile Device Security: Protecting sensitive data on mobile phones and tablets	(07 hours)	Shukdeb Paul

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Add-On course: "Awareness of Cyber Security"

Marks: 30 Time: 1 Hr.

Candidate Name: _____

Stream: _____

Semester: _____

College ID: _____

Answer any all questions:

1. What is Cyber Security?
a) Cyber Security provides security against malware b) Cyber Security provides security against cyber-terrorists
c) Cyber Security protects a system from cyber attacks d) All of the mentioned

2. What does cyber security protect?
a) Cyber security protects criminals b) Cyber security protects internet-connected systems
c) Cyber security protects hackers d) None of the mentioned

3. Who is the father of computer security?
a) August Kerckhoffs b) Bob Thomas c) Robert d) Charles

4. Which of the following is defined as an attempt to steal, spy, damage or destroy computer systems, networks, or their associated information?
a) Cyber attack b) Computer security c) Cryptography d) Digital hacking

5. Which of the following is a type of cyber security?
a) Cloud Security b) Network Security c) Application Security d) All of the above

6. What are the features of cyber security?
a) Compliance b) Defense against internal threats c) Threat Prevention d) All of the above

7. Which of the following is an objective of network security?
a) Confidentiality b) Integrity c) Availability d) All of the above

8. Which of the following is not a cybercrime?
a) Denial of Service b) Man in the Middle c) Malware d) AES

9. Which of the following is a component of cyber security?
a) Internet of Things b) AI c) Database d) Attacks

10. Which of the following is a type of cyber attack?
a) Phishing b) SQL Injections c) Password Attack d) All of the above

11. Which of the following is not an advantage of cyber security?
a) Makes the system slower b) Minimizes computer freezing and crashes
c) Gives privacy to users d) Protects system against viruses

12. "Cyberspace" was coined by _____
a) Richard Stallman b) William Gibson c) Andrew Tannenbaum d) Scott Fahlman

13. In which year has hacking become a practical crime and a matter of concern in the field of cyber technology?
a) 1991 b) 1983 c) 1970 d) 1964

14. Governments hired some highly skilled hackers for providing cyber security for the country or state. These types of hackers are termed as _____
a) Nation/State sponsored hackers b) CIA triad c) Special Hackers d) Government Hackers

15. Which of the following act violates cyber security?
a) Exploit b) Attack c) Threat d) Vulnerability

16. Which of the following actions compromise cyber security?
a) Vulnerability b) Attack c) Threat d) Exploit

17. Which of the following is the hacking approach where cyber-criminals design fake websites or pages for tricking or gaining additional traffic?
a) Pharming b) Website-Duplication c) Mimicking d) Spamming

18. Which of the following is not a type of peer-to-peer cyber-crime?
a) MiTM b) Injecting Trojans to a target victim
c) Credit card details leak in the deep web d) Phishing

19. A cyber-criminal or penetration tester uses the additional data that stores certain special instructions in the memory for activities to break the system in which of the following attack?
a) Clickjacking b) Buffer-overflow c) Phishing d) MiTM

20. Which of the following do Cyber attackers commonly target for fetching IP address of a target or victim user?
a) ip tracker b) emails c) websites d) web pages

21. Which of the following is defined as an attempt to harm, damage or cause threat to a system or network?
a) Digital crime b) Threats c) System hijacking d) Cyber Attack

22. They are nefarious hackers, and their main motive is to gain financial profit by doing cyber crimes. Who are "they" referred to here?
a) White Hat Hackers b) Black Hat Hackers c) Hactivists d) Gray Hat Hackers

23. IT security in any firm or organization is maintained and handled by _____
a) Software Security Specialist b) CEO of the organization c) Security Auditor d) IT Security Engineer

24. Where did the term "hacker" originate?
a) MIT b) New York University c) Harvard University d) Bell's Lab

25. What is the existence of weakness in a system or network is known as?
a) Attack b) Exploit c) Vulnerability d) Threat

26. Which of the following is an internet scam done by cyber-criminals where the user is convinced digitally to provide confidential information.
a) MiTM attack b) Phishing attack c) Website attack d) DoS attack

27. Which of the following is not a step followed by cyber-criminals in data breaching?
a) Exfiltration b) Research and info-gathering c) Attack the system d) Fixing the bugs

28. Which of the following online service's privacy cannot be protected using Tor?
a) Browsing data b) Instant messaging c) Login using ID d) Relay chats

29. Which of the following term refers to a group of hackers who are both white and black hat?
a) Yellow Hat hackers b) Grey Hat hackers c) Red Hat Hackers d) White-Black Hat Hackers

30. Which of the following is not an email-related hacking tool?
a) Mail Password b) Email Finder Pro c) Mail PassView d) Sendinc

30. Which of the following DDoS in mobile systems wait for the owner to trigger the cyber attack?
a) botnets b) programs c) virus d) worms

SURENDRANATH EVENING COLLEGE

Registration Form for Add-On Course

Name of the Course: Awareness of Cyber Security

Name of the Student: PIYANSHU SHAW

College Id: SNEC240857

Mobile Number: 7908102865

Course (B.A./B.Sc./B.COM.): HINDI HONOURS

Course Type (Hons./General):

Department Name (If applicable): HINDI

Semester: 1st

Date: 28.07.23

Piyanshu Shaw
Signature of the Candidate

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Registration Form for Add-On Course

Name of the Course: Awareness of cyber Security

Name of the Student: Kailash Para

College Id: SNEC121 SNEC240121

Mobile Number: 8100310977

Course (B.A./B.Sc./B.COM.): History

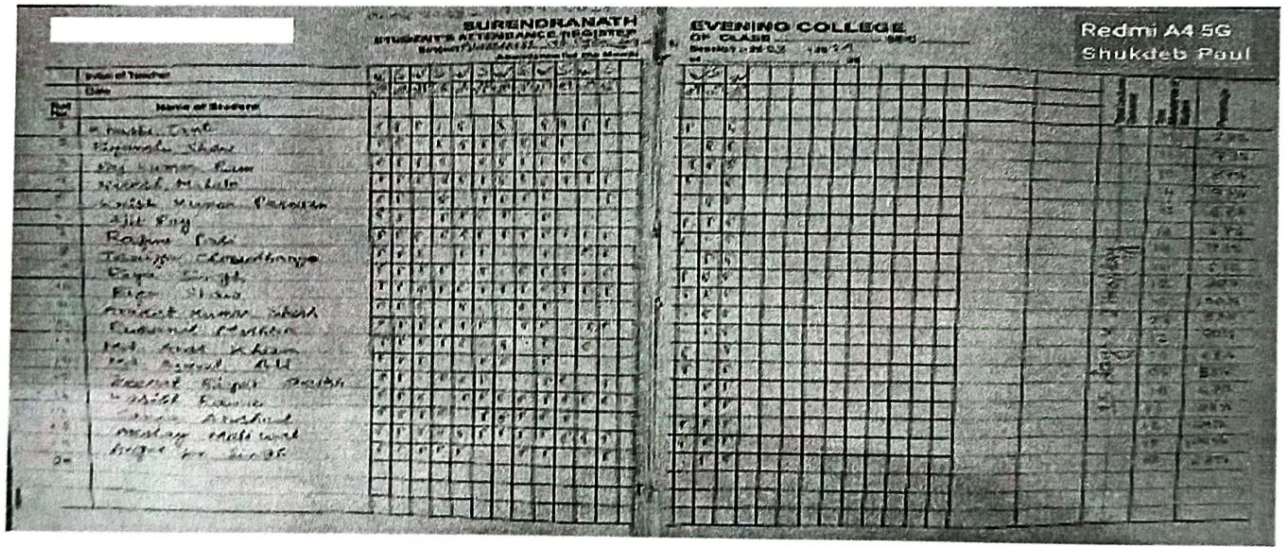
Course Type (Hons./General): History Hons

Department Name (If applicable): Computer Science (IDC)

Semester: 1

Date: 28.07.23

Kailash Para
Signature of the Candidate



Attendance Sheet

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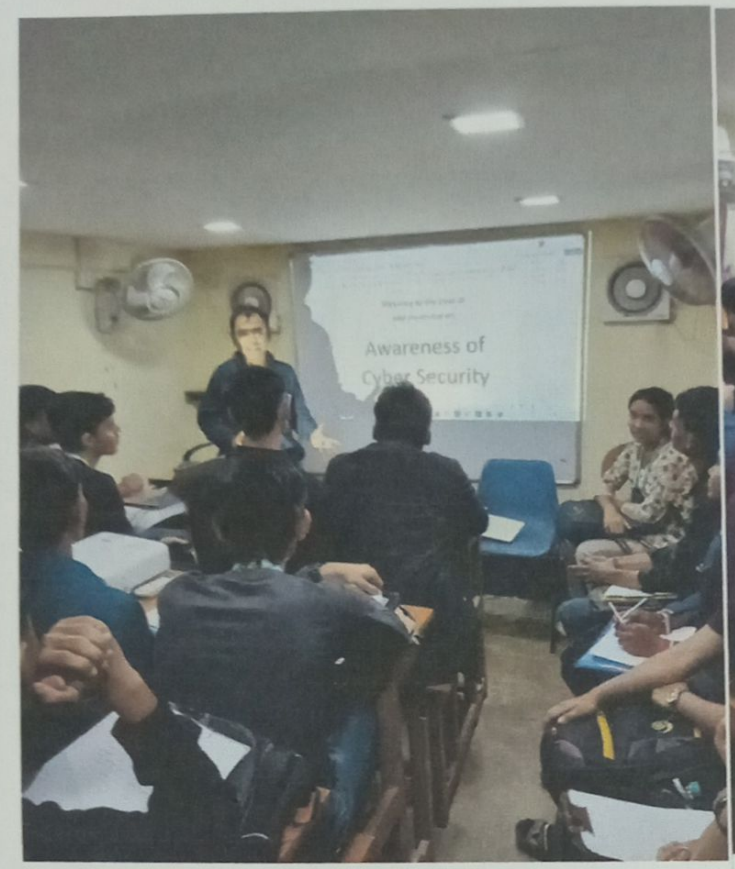
Kolkata - 700009



Live Class

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CERTIFICATE

OF PARTICIPATION

This certificate is proudly presented to

Angat Kumar Singh

For participating in the Add-on Course on " Awareness on Cyber Security" held by Dept. of Computer Science Surendranath Evening College from 01.08.2023 to 27.09.2023.

Principal

Course Co-Ordinator

Principal
Surendranath Evening College
Kolkata - 700009

Redmi A4 5G
Shukdeb Paul