

Mahatma Phule Shikshan Sanstha's

Karmaveer Bhaurao Patil College,

Urun-Islampur Tal-Walwa, Dist-Sangli-415409

Department of Information Technology

Year 2024-25

A Guest Lecture

On

“Cyber Security”

Date- 17/08/2024

Venue: G-14

Organized By

Department of Information Technology



Mahatma Phule Shikshan Sanstha's
KARMAVEER BHAURAO PATIL COLLEGE,
URUN-ISLAMPUR
Department of Information Technology
(2024-25)



Date:-17/08/2024

Report

Introduction

Cyber Security Awareness is a method to read the types of threats and implement the protection against such threats from the internet to protect our privacy and secure our data. Internet is used by us on regular basis and we all are aware of the security threats on the internet. We need to protect our privacy from such cyber attacks.

As the world of cyber is getting huge, the threats to us also increases on the regular basis and we need to be protective against such attacks. The internet and connectivity devices are making our life easier, but they also bring danger online.

A cyber security awareness is an important to protect our data from the cyber attacks, and unknown login. We need to get aware from the online threats like phishing and malware that cybercriminals use to steal our data. We need to identify and avoid frauds that are conducted online, via email, or on social media.

Importance of Cyber Security Awareness

At earlier times, only the computer viruses were a problem but now we have antivirus software to protect us from them. But now the cyber threats have grown large and advanced that is becoming dangerous to all of us. Malware, phishing, DDoS attacks, data breaches and fraud email some common example where we trap ourselves and become a victim. Following are some points to know the importance of cyber security awareness :

1. As the world of digital era is increasing, the cyber-attacks and threats are also increasing day to day and we need to be aware from such cyber threats and protect our data.
2. Multiple malware, phishing, DDoS attacks, data breaches and fraud email are sent to user through the internet to access and breach their personal and professional data on daily basis.
3. It is important to protect yourself from the various cyber threats such as phishing scams, malware attacks, and data breaches and protect our personal and professional data.
4. We need our professional data to be Private and Confidential because the personal loss can be compromised at a stance, but professional data breach cannot only harm our self but can also damage the entire company by the cyber threats.



Mahatma Phule Shikshan Sanstha's
KARMAVEER BHAURAO PATIL COLLEGE,
URUN-ISLAMPUR
Department of Information Technology
(2024-25)



Cyber security Awareness Topics to Cover in Training

1. Phishing Awareness

- Examine sender email addresses closely to check for any misspellings or slight deviations from the usual address.
- Scrutinizing URLs within emails before clicking on them.
- Look for phishing language signs, such as urgency, generic greetings, or poor spelling/grammar.

This topic should also cover fraudulent text messages (**smishing**) or phone calls (**vishing**) as other delivery methods for these scams. Include information about common phishing tactics, like fake job offers or mimicking legitimate organizations that recipients trust.

Pay attention to the growing problem of targeted spear phishing attacks focusing on specific individuals or roles within your company, such as impersonating a high-level executive or targeting finance teams

2. Password and Authentication Security

Even with billions of stolen credentials circulating on the dark web, hackers will struggle to get into an account protected by MFA because they'll need to provide a second, distinct category of evidence beyond a password that proves their identity, such as biometrics or a one-time code sent to your employee's phones.

3. Social Engineering Defence

Threat actors don't limit themselves to traditional phishing scams when trying to dupe or manipulate people into revealing sensitive info, downloading malicious attachments, or clicking suspicious links. Practical training should run through the whole gamut of social engineering techniques that hackers could use, including pretexting, baiting, and tailgating.

4. Safe Internet Practices

Many cyber breaches stem from unsafe Internet practices. Ensure cyber security awareness training addresses best practices like trusting websites with secure HTTPS connections, not downloading files or software from untrusted sources, and being mindful of what information employees share on social media or networking platforms like LinkedIn.



5. Email Security

Good email security awareness includes being cautious of attachments and links from unknown sources, using spam filters, and reporting suspicious emails. Also, teach employees about the risk of sharing sensitive information by email and the need for an encrypted connection.

6. Mobile Device Security

With the boundaries between personal and work life blurring, employees must understand how to securely use personal and company-provided mobile devices when accessing work-related information. This includes using the device's basic security features, like setting a screen lock and promptly applying operating system security updates when notified.

Employees also need to Understand the risk of installing apps from unverified sources outside the usual app stores on these devices.

7. Data Protection and Privacy

Distinguish between different types of data to protect, such as Personal Identifiable Information (PII), Protected Health Information (PHI), and Intellectual Property (IP). Also, outline the legal consequences of data breaches. Round this training with secure practices like data minimization, encryption, and access_control.

8. Artificial Intelligence

The rapid proliferation of AI tools into many different roles creates opportunities, but it also comes with security concerns. Over 60% of knowledge_workers use generative AI tools like Chat GPT in daily tasks.

9. Security Policies and Procedures

Lastly, include awareness training about your company's specific security policies and procedures. These include regulatory requirements for the industry you operate in, acceptable use policies, how to classify and handle different types of data, and any policies about the use of personal devices for work reasons.

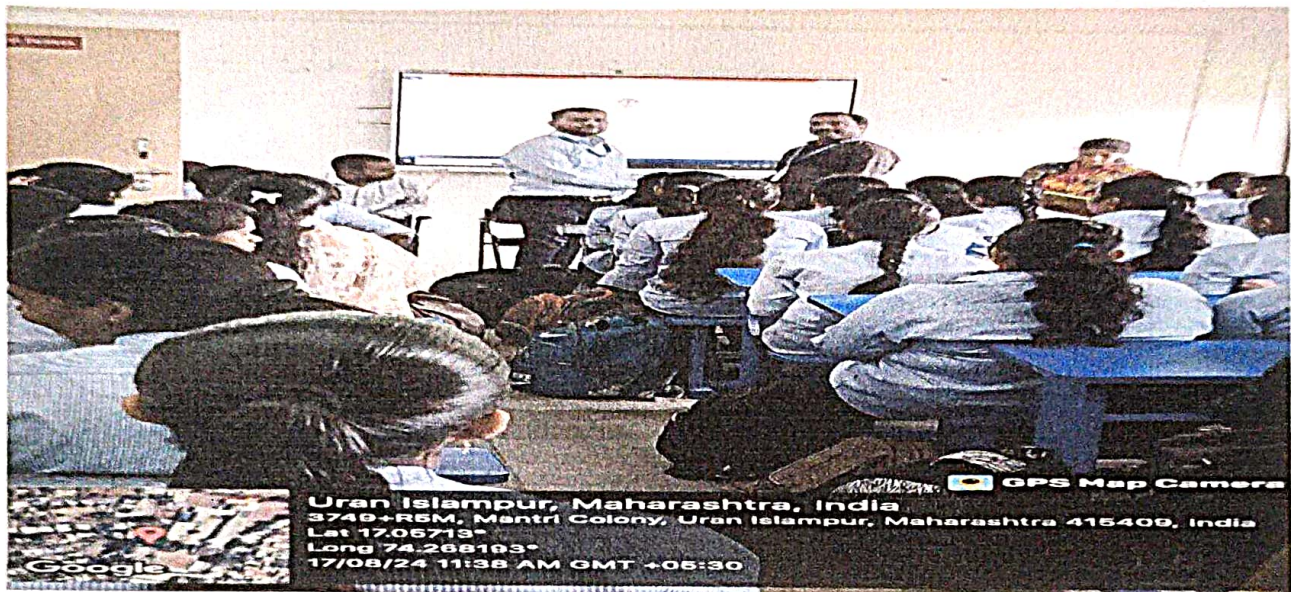


Mahatma Phule Shikshan Sanstha's
KARMAVEER BHAURAO PATIL COLLEGE,
URUN-ISLAMPUR
Department of Information Technology
(2024-25)

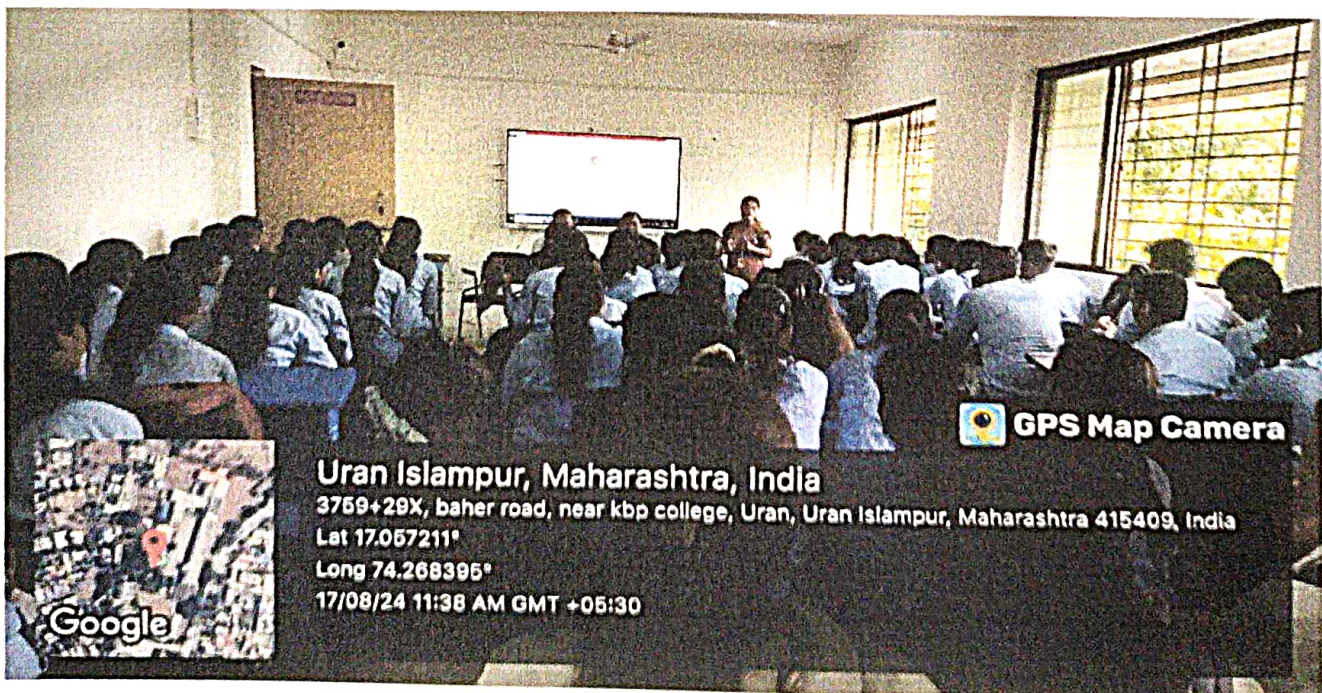


Date 17/08/2024

Photo Gallery



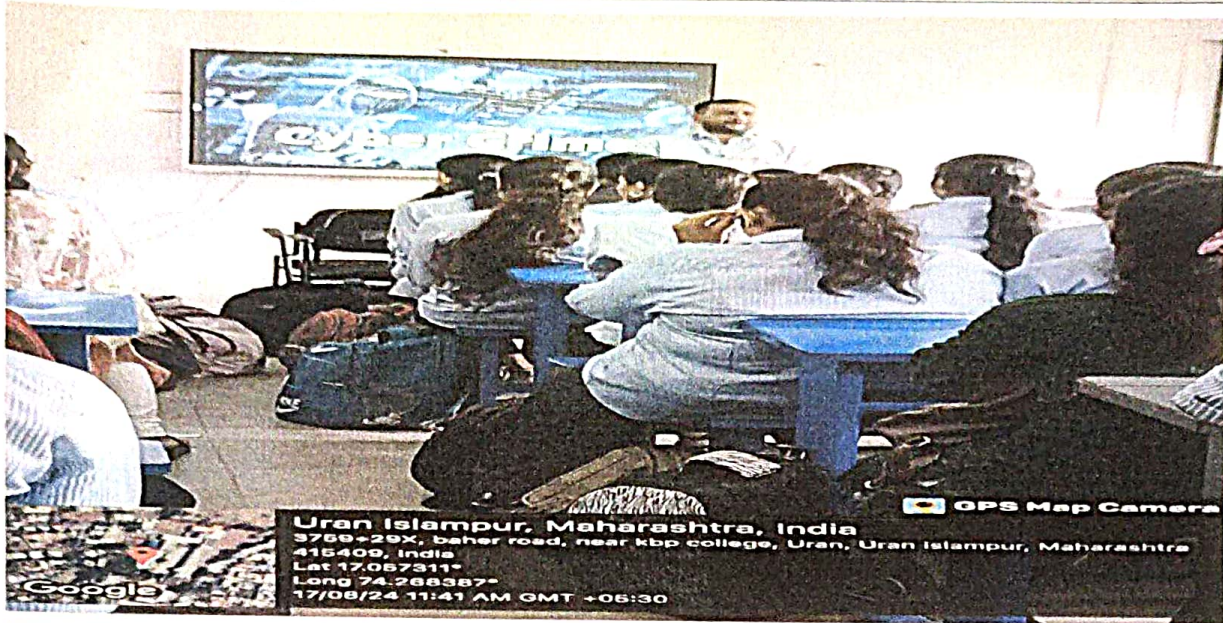
Mr. P.M.More Sir felicitating our Resource Person



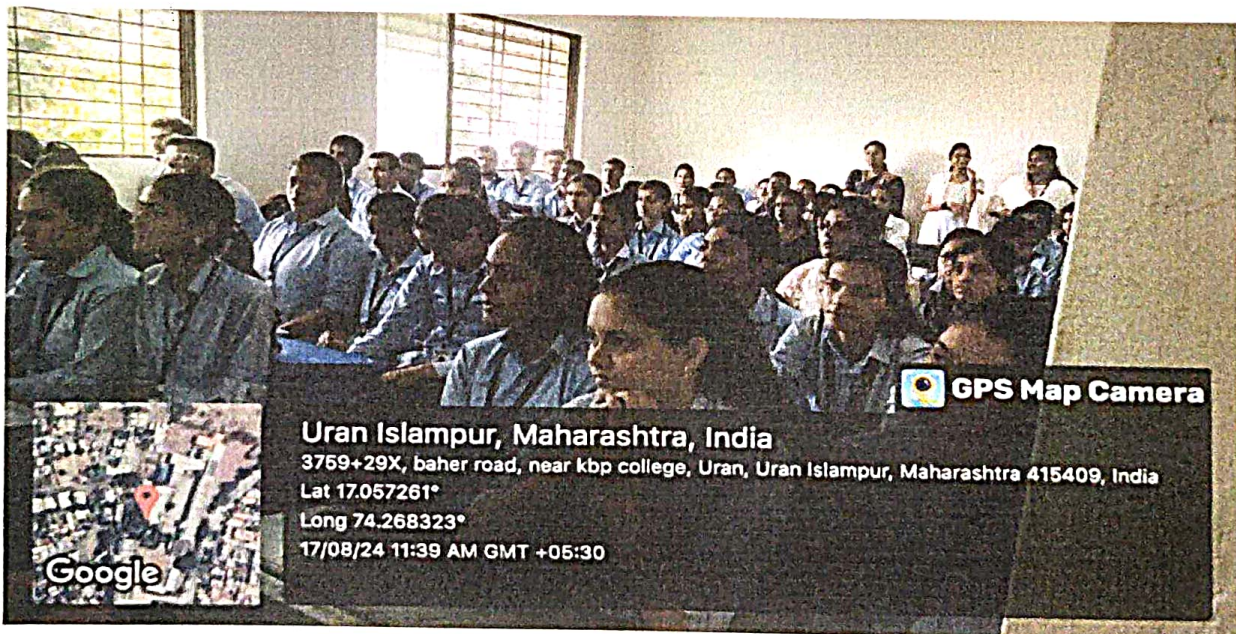
Mrs. V.P. Patil Mam Introduced to Resource Person



Mahatma Phule Shikshan Sanstha's
KARMAVEER BHAURAO PATIL COLLEGE,
URUN-ISLAMPUR
Department of Information Technology
(2024-25)



Resource Person Delivering Lecture



Student Present for lecture

Shinde
Co-ordinator

Far
Head of Department



Mahatma Phule Shikshan Sanstha's
KARMAVEER BHAURAO PATIL COLLEGE,
URUN-ISLAMPUR
Department of Information Technology
(2024-25)



Title of the Activity/Event: Cyber Security and General Awareness

Resource Person: Mr. Abhijeet patil
MKCL Executive of Maharashtra knowledge
Co-orporation Ltd.

Name of President: Mr.P.M.More Sir
Head of B.C.A Department, KBP College, Urun-Islampur.

Number of Participants: 40 Students

Karmaveer Bhaurao Patil College,

Urun-Islampur Tal-Walwa, Dist-Sangli-415409

Department of Information Technology

Attendance

Cyber Security and General Awareness

Date: 17/08/2024

Sr.No	Name	Sign
1	Gurav Mayuri Mukund	Gurav.
2.	Patil Ashwini Suresh	Patil
3]	Vanishika Sudhakar Patil.	Patil.
4)	Payal Maruti Patil	Patil
5]	Shruti Suresh Hawladar	Shruti
6]	Geauri Sayaji Suryawanshi	Geauri
7]	Shruti Rajendra Kankatke.	Kankatke.
8]	patil Shreya Shashikant	Patil
9]	More Sayali Ashok	More
10]	Kapase Sakshi bajarang	Kapase
11)	Thorat Ashwini sunil	Thorat
12)	Patil Diksha Dattaraj	Patil
13)	Narute Rohan Govind	Narute
14)	Jadhav Vijay Ravasaheb	Vijalhav...
15)	Lawte Yash Anil	Lawte
16)	Jadhav Omkar Koushaat	Jadhav
17]	Patil Aditya Gajanan	Patil
18/	Patil Rohit sadashiv	Patil
19]	Wadav Amit Govind	Wadav

[illegible]