



**J.B. INSTITUTE OF ENGINEERING AND TECHNOLOGY**

(Accredited by NBA&NAAC, Approved by AICTE & Permanently Affiliated to JNTU H Hyderabad)  
Yenkapally (Vi), Moinabad (M). P.O. Himayat Nagar, RR District, Hyderabad 500075

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**Seminar on**

**“CYBER SECURITY 101: SAFEGUARDING YOUR VIRTUAL WORLD”**

**Date 13/03/2024**

**CIRCULAR**

This is to inform all the III Year & IV Year Students that the Department of Computer Science and Engineering, JBIET is organizing a Seminar on **“CYBERSECURITY 101: SAFE GUARDING YOUR VIRTUAL WORLD”** on 13/03/2024. All the students are here by informed to utilize this opportunity and must attend the session.

**HOD-CSE**



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## **DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

### **Report on**

### **Seminar on CYBERSECURITY 101: SAFEGUARDING YOUR VIRTUAL WORLD**

#### **Introduction**

A Seminar on “**CYBERSECURITY 101: SAFEGUARDING YOUR VIRTUAL WORLD**” was organized on 13/03/2024 by the **Department of Computer Science and Engineering** as part of its academic enrichment activities. The session was delivered by Rebecca Betala, HR Partner-iCompaas, Hyderabad and she is an eminent professional with vast expertise in Cyber Security technologies. The lecture was aimed to provide students with insights into the fundamentals, applications, and emerging trends of Cybersecurity in the modern digital era.

#### **Objectives of the Lecture**

##### **1. Introduce Fundamental Cybersecurity Concepts**

- Understand the importance of cybersecurity in daily digital life.
- Learn key terms such as malware, phishing, firewalls, encryption, and more.

##### **2. Recognize Common Cyber Threats**

- Identify various types of cyber threats (e.g., phishing, ransomware, social engineering).
- Understand how these threats can affect individuals and organizations.

##### **3. Promote Safe Online Behavior**

- Encourage best practices for secure internet use, including password hygiene and safe browsing habits.

#### 4. Teach Basic Security Tools & Techniques

- Introduce essential cybersecurity tools (antivirus software, VPNs, password managers).
- Demonstrate how to configure and use basic security settings on devices and platforms.

#### 5. Develop Risk Awareness & Critical Thinking

- Improve users' ability to detect suspicious activities.
- Teach decision-making strategies to avoid falling for scams or insecure practices.

#### 6. Understand Legal and Ethical Issues in Cybersecurity

- Explore basic legal frameworks and ethical responsibilities related to cybersecurity.

### **Highlights of the Session**

The Highlights of "**Cybersecurity 101: Safeguarding Your Virtual World**" — a foundational overview designed to help Students, individuals and organizations to protect themselves in the digital space:

1. **Understanding Cybersecurity Basics:** The Students were able to understand Cyber security basics to ensure confidentiality, integrity, and availability of information.
2. **Common Cyber Threats:** Students learned about fraudulent emails or messages tricking users into revealing personal information, Malicious software like viruses, ransomware, spyware, Psychological manipulation to gain access to confidential data, intercepting communications between two parties & Unauthorized access to sensitive data.
3. **Core Principles of Cyber Hygiene:** Students learned how to use complex, unique passwords and change them regularly, Adds a layer of security beyond passwords. Keep software and systems up to date to patch vulnerabilities, Use encrypted networks and avoid public Wi-Fi when accessing sensitive data.
4. **Safe Browsing and Online Behavior:** void clicking unknown links or downloading suspicious files, use HTTPS websites for secure communication and to be cautious with what you share on social media where oversharing can lead to targeted attacks.
5. **Data Protection Techniques:** Students learned how to Store copies of important data in secure, offline locations, Use encryption to protect information in storage and transit, Limit data access to authorized personnel only.
6. **Recognizing and Responding to Incidents:** Early detection is key: watch for suspicious activity, isolate affected systems, notify stakeholders, and begin recovery, Report breaches to relevant authorities when necessary.
7. **Emerging Trends in Cybersecurity:** Machine learning used to detect and respond to threats, never trust, always verify approach to network access, as organizations move to the cloud, securing remote infrastructure is critical.

## **Outcomes of the Lecture**

1. Students were able to understand the significance of cybersecurity in protecting personal, academic, and professional data.
2. Identified different types of cyber threats and learned how they work.
3. Applied practical security measures to protect themselves online, such as:
  - Creating strong, unique passwords
  - Enabling two-factor authentication
  - Recognizing phishing emails or scams
4. Used essential cybersecurity tools effectively.
5. Analysed online activities for potential security risks and responded appropriately.
6. Understood their role and responsibility in maintaining cybersecurity in both personal and professional contexts.
7. Students were adhere to the digital ethics and legal expectations while using online platforms and digital resources.

## **Conclusion**

The Seminar on **“CYBERSECURITY 101: SAFEGUARDING YOUR VIRTUAL WORLD”** proved to be highly informative and engaging students to explore Cyber Security technologies in depth. Cybersecurity is not a one-time action but an ongoing effort. Everyone has a role to play from individual users to top-level executives. Staying informed, vigilant, and proactive is the best defense in the digital age. The department expressed gratitude to Rebecca Betala, HR Partner-iCompaas for sharing valuable knowledge and to the organizers for making the session successful.



**Fig-1 Rebecca Betala, HR Partner-iCompaas delivering the Session to the students**



**Fig-2 Rebecca Betala, HR Partner-iCompaas delivering the Session to the students**



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## Department of Computer Science & Engineering

### STUDENT ATTENDANCE SHEET

Date: 13/03/2024

| SNO | ROLL NO    | NAME OF THE STUDENT  |
|-----|------------|----------------------|
| 1   | 23671A0561 | A.SOUJANYA           |
| 2   | 23671A0562 | ALLAM MANOGNA        |
| 3   | 23671A0563 | ARUKALA VINAY        |
| 4   | 23671A0564 | SRI MUKHI            |
| 5   | 23671A0565 | B.SINDHU             |
| 6   | 23671A0566 | BADAVATH SAHITHI     |
| 7   | 23671A0567 | B.JESSICA            |
| 8   | 23671A0568 | BHASKARWAR ADITYA    |
| 9   | 23671A0569 | BOBBALA SAMEERA      |
| 10  | 23671A0570 | BODDU KAVERI         |
| 11  | 23671A0571 | BORAWAT LAXMAN KUMAR |
| 12  | 23671A0572 | CHAKALI SIDDHARTHA   |
| 13  | 23671A0573 | D.PRASHANTH          |
| 14  | 23671A0574 | DYAMAKKA SHARMISHTA  |
| 15  | 23671A0575 | E.PUNEETH KUMAR      |
| 16  | 23671A0576 | G.DATTATREYA         |

|    |            |                           |
|----|------------|---------------------------|
| 17 | 23671A0577 | GURIJA SRI VARSHINI       |
| 18 | 23671A0578 | K.PRANAY                  |
| 19 | 23671A0579 | T.ANIL KUMAR REDDY        |
| 20 | 23671A0580 | KADA SARVESH              |
| 21 | 23671A0581 | KALLEM PALLAVI            |
| 22 | 23671A0583 | K.INDU                    |
| 23 | 23671A0584 | KATI RAMESH               |
| 24 | 23671A0585 | KODI MUKESH               |
| 25 | 23671A0586 | K.GANESH NARENDRA         |
| 26 | 23671A0587 | K.VENKAT KOUSHIK          |
| 27 | 23671A0588 | KUMBAM RAGHAVA            |
| 28 | 23671A0589 | MADIHA AFSHEEN            |
| 29 | 23671A0590 | MOHAMMED HAMMAD YOUSUF    |
| 30 | 23671A0591 | MOHAMMED JAWAD ALI SHUJAH |
| 31 | 23671A0592 | P.SRIKANTH                |
| 32 | 23671A0593 | P.YASHVANTH GOUD          |
| 33 | 23671A0594 | PENTIMANI KOMALI          |
| 34 | 23671A0595 | P.VARUN KUMAR             |
| 35 | 23671A0596 | RAMANCHA NAVYA            |
| 36 | 23671A0597 | RAMAVATH SHIVA            |
| 37 | 23671A0598 | RATHOD KRISHNA            |
| 38 | 23671A0599 | SEELAM TULASI             |
| 39 | 23671A05A0 | SHAIK ABRAR               |
| 40 | 23671A05A1 | SHATAMONI RAJINI          |
| 41 | 23671A05A2 | SHIVA PRASAD GHALE        |
| 42 | 23671A05A3 | SUKKI SRAVANI             |
| 43 | 23671A05A4 | SUNKETHA PRADEEP          |
| 44 | 23671A05A5 | SYED BAQAR ALI MOOSA      |

|    |            |                          |
|----|------------|--------------------------|
| 45 | 23671A05A6 | ULLAM KAVYA              |
| 46 | 23671A05A7 | VARALA HARSHITHA         |
| 47 | 23671A05A8 | V.SAI PRANAY SIDDHARTHA  |
| 48 | 23671A05B0 | YELTI ADITYA REDDY       |
| 49 | 24675A0501 | SRIRAMULA SRIKAR         |
| 50 | 24675A0502 | KUMARA ESWARA SAI GANESH |
| 51 | 24675A0503 | ESLAVATH SUVARNA         |
| 52 | 24675A0504 | RAVULA MEGHANATH         |
| 53 | 24675A0505 | MUSKAN BEGUM             |
| 54 | 24675A0506 | G.MAHESH                 |
| 55 | 24675A0508 | G.DEEKSHITHA             |
| 56 | 24675A0509 | CHINREDDY HARSHA VARDHAN |

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