

# CYBER CONGRESS 2023



## Geethanjali College of Engineering and Technology

Cheeryal (V), Keesara (M), R.R.Dist.-501 301

## REPORT

### EVENT DETAILS:

- Date : 27th October 2023, 28th October 2023, 30th October 2023, 31st October 2023
- Venue : Geethanjali College of Engineering and technology.
- Number of participants : 188

### FACULTY CORDINATORS:

- Mrs. B Mamatha
- Mrs. Hima Bindu

### STUDENT CORDINATORS:

- Duvvuri Sree Sai Soujanya
- Kosgi Aakanksha Reddy
- Dharavath Rounith
- Hari Sarada
- Maramamula Sai Sri Vishnu
- K Rohitha
- Sathvika Balijepalli
- Dhanush
- Muzammil Pasha
- Reethika Buddi
- Ratnakeshav
- Sreekaree
- U Ashish Varma
- Uppuju Sanjana
- Madiha Fathima
- Pragnya

## EVENT DESCRIPTION:

Cyber Congress is the annual flagship event of Cyber Security club of GCET (Geethanjali College of Engineering and Technology). Born out of the collective passion and dedication of students, Cyber Congress serves as a pivotal platform designed by students for students. It plays a crucial role in bridging the gap between aspiring cybersecurity professionals and the industry, fostering awareness, and laying the foundation for a secure cyber future.

At the core of Cyber Congress is the commitment to providing a dynamic space for students and enthusiasts to converge, exchange knowledge, and delve into the latest trends in cybersecurity. The theme for this year, "**Paving the Way for a Secure Future: Building Digital Fortresses**" underscores the club's dedication to fortifying the cybersecurity community.

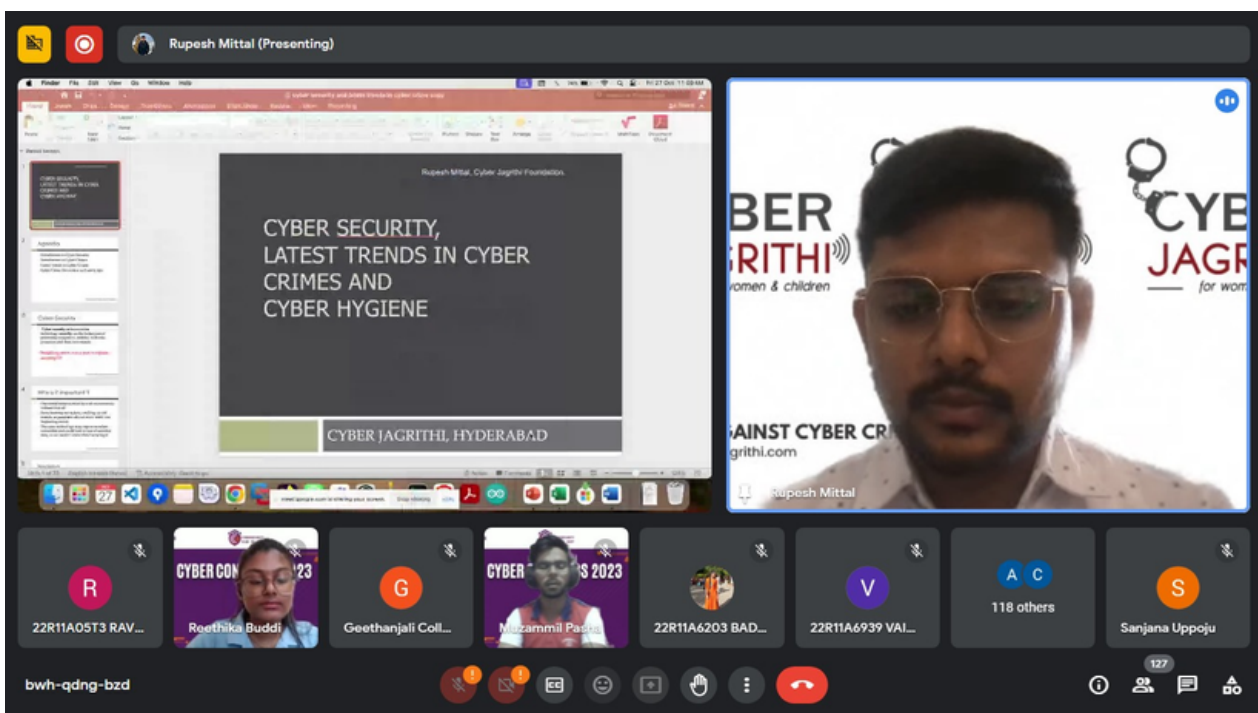
In addition to being a forum for sharing insights, Cyber Congress 2023 goes beyond theoretical discussions. It is an embodiment of practical learning, offering a series of workshops and sessions aimed at equipping attendees with hands-on skills essential for navigating the complex cybersecurity landscape. These workshops are carefully curated to empower students, enabling them to not only understand theoretical concepts but also apply them in real-world scenarios.

## DAY-1 – 27th October 2023

The day-1 of Cyber Congress 2023 unfolded in the virtual realm, encompassing two enlightening sessions.

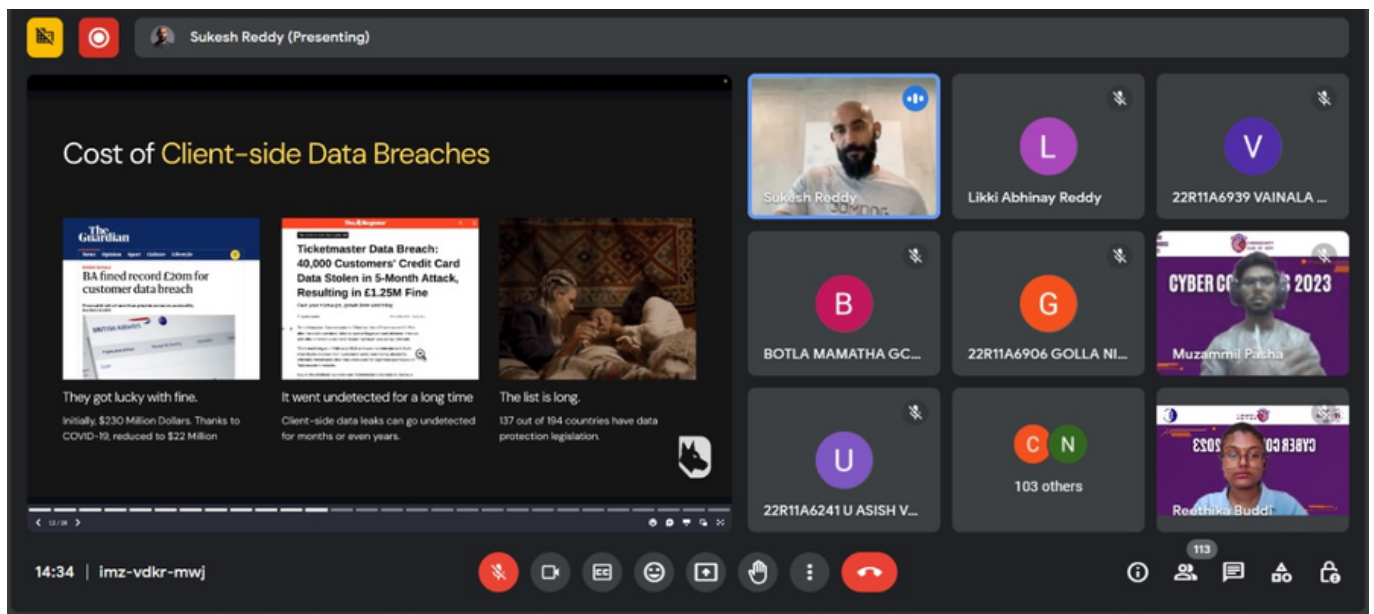
**Session 1** : Introduction to Cybersecurity & Latest Trends in Cyber Security

**Speaker Name** : Rupesh Mittal, Founder of Cyber Jagrithi



The first session, skillfully conducted by Rupesh Mittal, the visionary founder of Cyber Jagrithi, delved into the fundamental aspects of cybersecurity. With a keen focus on "Introduction to Cybersecurity & Latest Trends in Cyber Security", Mittal provided attendees with valuable insights into the paramount importance of cybersecurity in the contemporary digital landscape. His presentation not only elucidated the intricacies of safeguarding digital assets but also shed light on the ever-evolving trends within the realm of cybersecurity, offering a comprehensive overview of the cutting-edge developments in the field.

**Session 2** : Nowadays in WebAppSec  
**Speaker Name** : Suresh Pappu, Co-Founder of Domdog



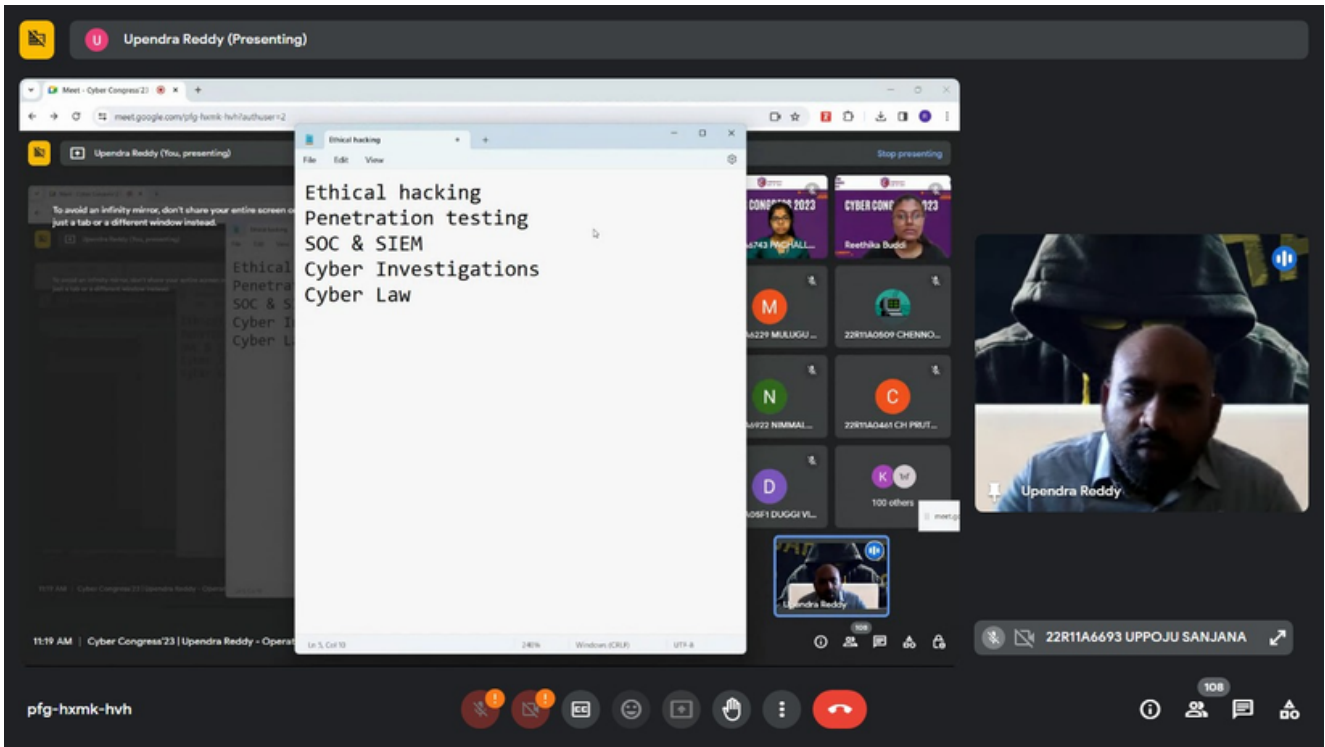
The second session of Cyber Congress 2023 was skillfully conducted by Suresh Pappu, the accomplished co-founder of DomDog. Pappu's expertise shone as he delved into the contemporary landscape of web application security in a session titled "Nowadays in WebAppSec." With precision and insight, he covered critical facets such as web application security, client-side security, and the nuances of Content Security Policy (CSP). Attendees were treated to a comprehensive overview, gaining valuable insights into the intricate layers of safeguarding web applications in an era where digital security demands constant vigilance and adaptation. Pappu's presentation offered a glimpse into the dynamic and evolving realm of web application security, providing a nuanced understanding of the challenges and solutions prevalent in the contemporary cybersecurity landscape.

## **DAY-2 – 28th October 2023**

The second day of Cyber Congress 2023 unfolded in the virtual realm, featuring a dynamic agenda that comprised two insightful sessions and an engaging workshop.

**Session 1** : Operating System Fundamentals Linux/Windows  
**Speaker Name** : Upendra Reddy, Senior Security Analyst at Supraja Technologies

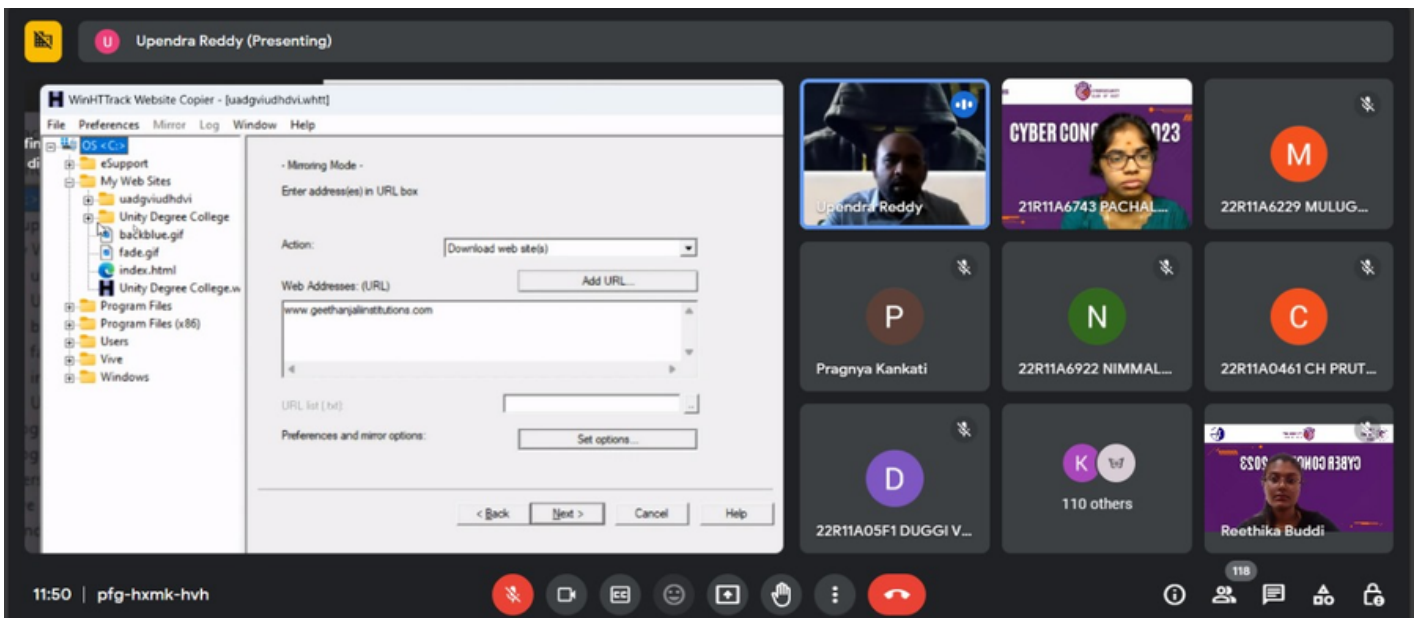
On the second day of Cyber Congress 2023, the first session was conducted by Upendra Reddy, Senior Security Analyst at Supraja Technologies. The session, titled "Operating System Fundamentals Linux/Windows," proved to be an invaluable exploration into the foundational aspects of operating systems. Reddy, drawing from his wealth of experience, provided comprehensive insights into the basics of both Linux and Windows operating systems. Furthermore, he skillfully intertwined the discussion with an introduction to computer networks, recognizing the fundamental relationship between operating systems and network infrastructure. This insightful session laid a robust foundation for the subsequent workshop, ensuring that participants possessed the requisite knowledge to engage meaningfully in the hands-on activities that followed.



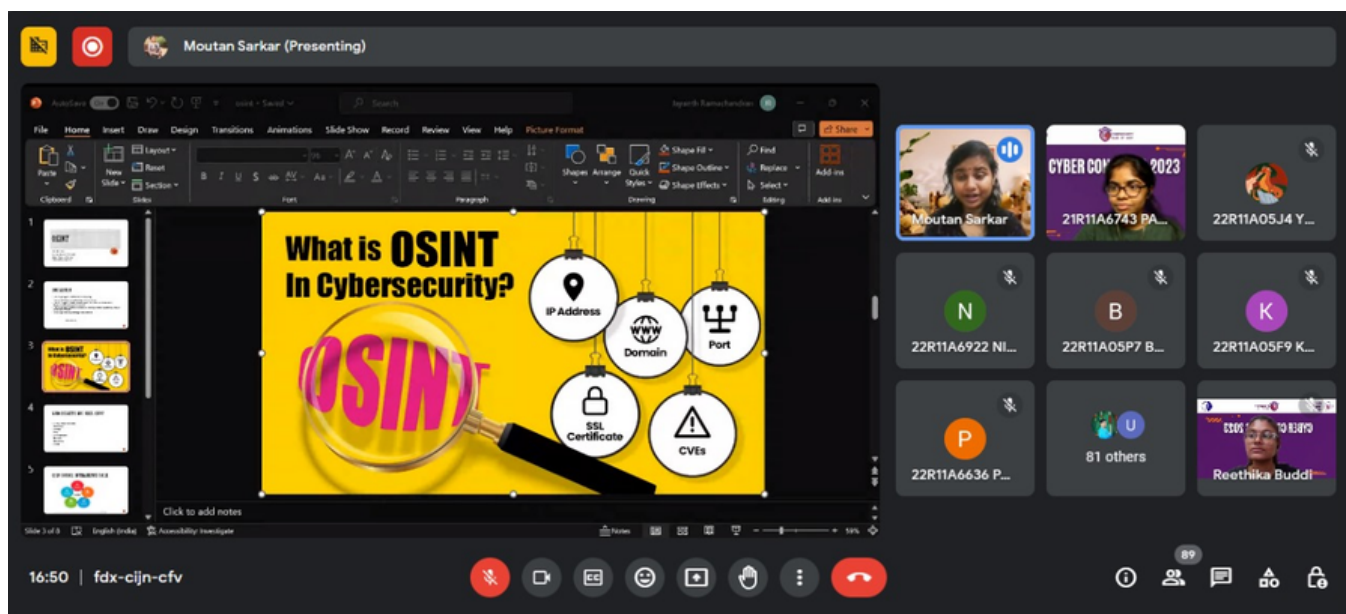
**Workshop** : Computer Networks/Network Security

**Speaker Name** : Upendra Reddy, Senior Security Analyst at Supraja Technologies

The workshop on the second day of Cyber Congress 2023 was expertly conducted by Upendra Reddy, Senior Security Analyst at Supraja Technologies. Under the theme "Computer Networks/Network Security," Reddy provided participants with invaluable insights into the intricacies of these domains. The workshop delved into the practical aspects of network security, with a focus on fundamental commands essential for retrieving details from websites. Reddy's hands-on approach was evident as he adeptly utilized tools such as HTTrack, Burp Suite, and WireShark to demonstrate real-world applications of network security principles. The participants were not only introduced to the theoretical foundations but also gained practical, tangible experience in employing tools vital for safeguarding networks in an ever-evolving digital landscape. Reddy's engaging and informative workshop left attendees with a richer understanding of computer networks and enhanced skills in network security.



**Session 2** : OSINT for Information Gathering  
**Speaker Name** : Moutan Sarkar



On the second day of Cyber Congress 2023, the second session was skillfully led by Moutan Sarkar, a Service Delivery Manager at Tata Consultancy Services and a Cyber Security Expert and Cyber Crime Investigator. In her session titled "OSINT for Information Gathering," Sarkar provided a deep dive into the realm of Open-Source Intelligence (OSINT). With a wealth of experience in the field, she shared valuable insights on the entities that collect and utilize OSINT, emphasizing its significance in contemporary cybersecurity practices. Sarkar also shed light on crucial precautions to be observed while employing OSINT methodologies, ensuring responsible and ethical information gathering. The session was enriched with practical knowledge as Sarkar shared intriguing case studies from her past experiences as a cyber crime investigator, offering attendees a real-world perspective on the application of OSINT in cyber investigations. Her engaging presentation contributed significantly to the participants' understanding of OSINT and its multifaceted role in the cybersecurity landscape.

## DAY-3 – 30th October 2023

The inaugural session of Cyber Congress 2023 was a momentous occasion marked by the presence of two distinguished figures in the field of technology and cybersecurity: Dr. Sriram Birudavolu and Mr. Anil Rachamalla.

Dr. Sriram Birudavolu, was the Chief Guest of the inaugural session. Mr. Birudavolu is a trailblazer in technology and innovation, holding a Ph.D. in Open Innovation in ICT. Currently serving as the CEO of Cyber Security Centre of Excellence, Telangana, DSCI, Dr. Sriram actively incubates startups in cybersecurity and privacy. The event provided a platform for Dr. Sriram to share insights, inspiring and enlightening the audience. During his address, he emphasized the crucial need for Cyber Security Experts in the industry. Dr. Sriram's impactful presence left a lasting impression, making the occasion a memorable and enriching experience for all attendees.



Mr. Anil Rachamalla, Founder & CEO of End Now Foundation, graced the Cyber Congress 2023 as the guest of honor, bringing with him 28 years of visionary leadership in the realm of digital awareness. As Mr. Anil Rachamalla took the stage at Cyber Congress 2023, he shared strategic insights and unwavering passion, inspiring collective efforts toward a secure and responsible digital future. His talk aimed to deepen the understanding of responsible digital practices, empowering the audience to navigate the digital landscape.

In his engaging address, Mr. Anil Rachamalla's expertise and dedication served as a guiding light, emphasizing the importance of collaborative efforts for a safer, more informed digital future. His talk undoubtedly enriched the Cyber Congress 2023, leaving a lasting impact on attendees and contributing to the event's mission of promoting digital awareness and responsibility.

**Session 1** : Cyber Awareness

**Speaker Name** : Anil Rachamalla, Founder & CEO of End Now Foundation



On day 1, the delegates were introduced to the world of Cyber Awareness through an insightful session delivered by Anil Rachamalla. It underscored the critical importance of vigilance in today's interconnected digital landscape. In the face of cyber threats, both individuals and organizations must prioritize understanding the risks associated with cyber activities and adopt safe practices. The session emphasized the multifaceted nature of cyber awareness, encompassing the recognition of evolving threat landscapes, safeguarding sensitive information, and understanding the severe consequences of cyberattacks.

Additionally, the session placed significant emphasis on the importance of judiciously managing the information shared on digital platforms. Participants were advised to exercise caution in disclosing personal details online, highlighting the need to make only essential information public. By being careful about the data shared on various platforms, individuals can mitigate the risk of falling victim to cyber threats such as identity theft and unauthorized access.

By promoting education and building a culture of cyber awareness, participants were encouraged to actively contribute to fortifying collective defenses against malicious actors seeking to exploit vulnerabilities. The session highlighted that cyber awareness not only empowers individuals to protect their personal data but also plays a pivotal role in enhancing the security posture of businesses, institutions, and critical infrastructure. In this age of information, the session concluded with a resounding message that being vigilant and well-informed about cybersecurity forms the foundation of a safer digital world.



**Session 2** : Cyber Security as a career

**Speaker Name** : Bheem Reddy, Co-Founder & CEO, Offensive Defense



Co-founder and CEO of "The Offensive Defence," Mr. Bheem Reddy, provided a plethora of experience and knowledge to the discussion, emphasising the vital significance of cybersecurity. As the CEO of a specialised EdTech startup in cybersecurity, Mr. Reddy provided insights into the goals and objectives of his business.

"Offensive Defence" is unique in that it was started by seasoned experts with backgrounds in both the military and business, and it has a clear long-term goal of becoming a global leader in cybersecurity research and talent development.

Mr. Bheem Reddy emphasised during the discussion how crucial cybersecurity education is in the current digital environment. By offering practical skills through well chosen certification courses under the banner name Offensive Defence, he highlighted the usefulness of cybersecurity. The ultimate objective of these programmes is to guarantee that students are prepared for the workforce upon graduation, in line with the constantly changing needs of the cybersecurity sector.

Essentially, Mr Reddy's presentation was a call to action, emphasising how important it is to raise awareness and educate people about cybersecurity. Through elucidating the goals and principles of 'The Offensive Defence,' he not only emphasised the importance of cybersecurity in the modern world but also provided a workable solution for anyone seeking to advance their knowledge in this vital domain.



**Workshop** : WebApp Pentest

**Speaker Name** : Swara Somala, Information Security Professional (Cybersecurity Enthusiast)



Swara Somala's workshop on "WebApp Pentest (Owasp Top 10)" was a highly informative and engaging session, delving into the intricacies of web application security. Mrs. Swara, an exceptional cybersecurity professional and Certified Scrum Master, brought unparalleled expertise to the discussion. Her proficiency in the Scrum framework, combined with a dedicated focus on security operations and network penetration testing, showcased her multifaceted skill set.

During the session, Mrs. Swara skillfully covered crucial topics such as SQL injection, CSRF, XSS, SSRF, RCE and OWASP's Top 10 vulnerabilities. Her ability to connect with the audience was evident, fostering an environment conducive to learning. Mrs. Swara's emphasis on practical insights and real-world examples added immense value to the participants, providing them with actionable knowledge that extends beyond theoretical concepts.

One of the highlights of the workshop was Mrs. Swara's in-depth coverage of various web application attacks, offering participants a nuanced understanding of the evolving threat landscape. Her ability to communicate complex cybersecurity concepts in a clear and concise manner enhanced the learning experience for all attendees.

Mrs. Swara Somala's workshop not only addressed the essential principles of web application security but also provided a detailed exploration of specific web application attacks. Participants gained valuable insights into mitigating risks and enhancing the security posture of web applications, making the session a pivotal contribution to the Cyber Congress event.

## DAY-4 – 31st October 2023

**Workshop** : Digital Forensics

**Speaker Name** : Sai Krishna (Cyber Security Consultant at Cybersecurity CoE Telangana)



Mr. Sai Krishna Singupuram's session on Digital Forensics was a compelling exploration into the intricacies of this vital field. With eight years of remarkable experience in cybersecurity, Saikrishna shared invaluable insights into various aspects of digital forensics.

During the session, Saikrishna delved into critical areas of cybersecurity, including Identity and Access Management, Enterprise Security, Security Operations, Vulnerability Management, Risk Management, and Incident Response. His expertise, demonstrated through the successful implementation of Proof of Concepts on notable open-source projects like WAZUH, The HIVE, and T-Pot, showcased a practical approach to cybersecurity problem-solving.

One highlight of the workshop was Saikrishna's introduction of the audience to the real-world application of digital forensics. He presented a fascinating example involving Alexa recordings used as evidence in a case. This illustration brought to life the capabilities of digital forensics in uncovering crucial information and providing concrete proof in legal investigations.

Moreover, Saikrishna's global perspective, as an alumnus of the International Visitor Leadership Program, added a unique dimension to the session. His firsthand experience representing India in discussions on "Promoting Cyber Security in the Quad Region" underscored the importance of a global approach in addressing cybersecurity challenges.

In essence, Mr. Sai Krishna Singupuram's session on Digital Forensics was an enlightening journey into the practical applications and significance of this field. Attendees gained a deeper appreciation for the role of digital forensics in cybersecurity, and Saikrishna's examples and expertise left a lasting impact on the Cyber Congress, contributing to the overall knowledge and awareness of this crucial domain.

During the afternoon session, Mr. Sai Krishna Singupuram further demonstrated the practical aspects of digital forensics with a hands-on demo. In this live demonstration, he showcased the capability to copy local disk data online, exemplifying the techniques used in the field of digital forensics.

The demo provided attendees with a real-time glimpse into the procedures and tools employed by experts to acquire and analyze digital evidence. By illustrating the process of copying data from local disks remotely, Saikrishna not only showcased the technical prowess required in digital forensics but also emphasized the importance of such techniques in forensic investigations.

This interactive session allowed participants to witness firsthand the complexities and nuances involved in extracting and preserving digital evidence from hardware sources. In a significant insight, Mr. Sai Krishna Singupuram underscored the importance of fundamental computer science knowledge for building a successful career in digital forensics. Mr. Sai Krishna Singupuram's live demo added a practical dimension to the theoretical knowledge shared earlier in the session, making the afternoon session a comprehensive and enriching experience for all attendees.

**Session** : Career Opportunities in Cyber Security

**Speaker Name** : Sai Krishna (Cyber Security Consultant at Cybersecurity CoE Telangana)



In the concluding session, Mr. Sai Krishna shared profound insights on navigating a career in cybersecurity, offering invaluable guidance to those contemplating this dynamic field.

Sai Krishna began by detailing various levels of positions within the cybersecurity domain, shedding light on the distinct roles and responsibilities associated with each. His session provided a holistic view of the cybersecurity landscape, outlining the skills essential for success in the field. Attendees gained clarity on the diverse career paths available and received practical advice on how to select a role aligned with their interests and aspirations.

Within the digital forensics domain, Sai Krishna specifically highlighted several cybersecurity roles like Digital Forensic Analyst, Incident responder, Security consultant, so on and so forth, emphasizing their significance and the skills required.

Sai Krishna's comprehensive overview of these roles illuminated the diverse career paths within digital forensics, inspiring attendees to consider their interests and strengths when charting their cybersecurity journey. Overall, his session served as a valuable compass for those aspiring to excel in the dynamic and crucial field of cybersecurity.

## **SCHEDULE:**

### **VIRTUAL EVENT- 27th & 28th, October 2023**

#### **DAY-1**

<b>Date/Time</b>	<b>Session</b>	<b>Speaker</b>
27th Oct / 11:00 AM - 12:00 PM	Introduction to Cybersecurity & Latest Trends in Cyber Security	Rupesh Mittal - Cyber Jagrithi
27th Oct / 02:00 PM - 03:00 PM	Nowadays in WebAppSec	Sukesh Pappu- Domdog

#### **DAY-2**

<b>Date/Time</b>	<b>Session/Workshop</b>	<b>Speaker</b>
28th Oct / 11:00 AM - 12:00 PM	Operating System Fundamentals Linux/Windows	Upendra Reddy- Supraja Technologies
28th Oct / 02:00 PM - 04:00 PM	Workshop on Computer Networks/Network Security	Upendra Reddy- Supraja Technologies
28th Oct / 04:20 PM - 05:20 PM	OSINT for information gathering	Moutan Sarkar

## PHYSICAL EVENT- 30th & 31st, October 2023

### DAY- 3

Date/Time	Event	Speaker
30th Oct/ 10:00 to 11:00 AM	Inauguration / Keynote Session	1. Sriram Birudavolu, CEO - Cyber Security Centre of Excellence DSCI (A NASSCOM Initiative), Hyderabad 2. Anil Rachamalla, Founder - EndNow Foundation (Digital Wellbeing Expert)
30th Oct/ 11:00 to 12:00 PM	Cyber Awareness	Anil Rachamalla, Founder - EndNow Foundation (Digital Wellbeing Expert)
30th Oct/ 12:00 to 01:00 PM	LUNCH	-
30th Oct/ 01:00 to 01:30 PM	Session on Cyber Security as a career	Bheem Reddy, Co-Founder & CEO, Offensive Defense
30th Oct/ 01:00 to 05:00 PM	Workshop on WebApp Pentest	Swara Somala, Information Security Professional (Cybersecurity Enthusiast)

## DAY- 4

Date/Time	Event	Speaker
30 <sup>1</sup> st Oct/ 9:30 to 10:00 AM	Fun Activity	
31 <sup>1</sup> st Oct/ 10:00 to 12:00 PM	Workshop on Digital Forensics	Sai Krishna (Cyber Security Consultant at Cybersecurity CoE Telangana)
31 <sup>1</sup> st Oct/ 12:00 to 01:00 PM	LUNCH	-
31 <sup>1</sup> st Oct/ 01:00 to 03:00 PM	Workshop on Digital Forensics	Sai Krishna (Cyber Security Consultant at Cybersecurity CoE Telangana)
31 <sup>1</sup> st Oct/ 03:00 to 03:15 PM	Fun Activity	
31 <sup>1</sup> st Oct/ 03:15 to 04:00 PM	Career Opportunities in Cyber Security	Sai Krishna (Cyber Security Consultant at Cybersecurity CoE Telangana)
31 <sup>1</sup> st Oct/ 04:00 to 05:00 PM	Prize Distribution and Valedictory	

### QUIZ WINNERS:

At the conclusion of some of the virtual sessions, we organized a series of quizzes and awarded a special gift to the top-performing contestant during the valedictory on Day- 4.

QUIZ TOPIC	WINNER
Introduction to Cyber Security	K. Madhavan
WebAppSecurity	Surya vamsi
OS Fundamentals & Computer Network and Network Security	Rohit Chandra

**Captures of the event:**









## **FEEDBACK:**

The Cyber Congress 2023 seamlessly blended virtual and physical elements, offering a well-organized platform for both sessions and workshops. The Congress incorporated both fun-filled and skilled events through-out the month, promoting the Cyber-Awareness month.

The sessions were enlightening, providing concise insights into cyber security opportunities and careers, as well as addressing crucial topics like cyber crimes and many more. The workshops delivered experiences across diverse domains, such as web app penetration testing and digital forensics. The inclusion of engaging quizzes during virtual event not only kept students involved but also rewarded knowledge with prizes for the top scorers. Overall, a commendable event that successfully combined education and interactivity.