

REF: MSRCASC/BCA/24-25/1

Date: 20/08/2024

CIRCULAR

Department of Computer Science

The department is conducting a 1 Day Workshop on "Cyber Security" for the First year BCA students on 20 August 2024. Hence, all the students are informed to attend the workshop and be benefitted from the session.

Date: 20/8/2024

Time: 9:30 to 12:30

Venue: 508 CS Lab

Resource Person: Mr. Suhas Mallik

Cyber Security Researcher and Trainer,
Red Team Dubai

Event Coordinator: Ms. Hari Priya G S

Assistant Professor,
Dept. of CS,
MSRCASC


HOD

Head of the Department
of Computer Science
M.S. Ramaiah College of Arts
Science and Commerce
MSRIT Post Bangalore-560 054.


Principal

M.S. Ramaiah College of Arts, Science & Commerce
MSRIT Post, MSR Nagar
Bangalore - 560 054

M S Ramaiah Nagar
MSRIT Post
Bangalore 560 054

T +91 80 2360 0966/8597
+91 80 2360 6905
F +91 80 2360 6213

E principal.msrmca@gmail.com
W www.msrmca.edu.in

Department of Computer science

REPORT - Workshop on Cyber Security

Date: 20th August 2024

Timings : 9:30AM to 4:30 PM

Venue: Computer Lab

Participants: BCA First year students

Resource Person: Mr. Suhas .M, Trainer Dubai

No of Students: 123

Event coordinator: Mrs. Haripriya GS

Objective: To enhance students' understanding of cybersecurity principles, field.

Event Details

On August 20, 2024, the Computer Science Department organized an engaging workshop on "Cyber Security" tailored specifically for first-year BCA students. Held in the Computer Lab from 9:30 AM to 4:30 PM, the event attracted approximately 123 eager participants, highlighting the growing interest in cybersecurity education among students.

Inauguration and Introduction

The workshop was formally inaugurated by Mr. Basavaraj CM, Head of the Department of Computer Science, who set the tone for the day's activities. His opening remarks underscored the importance of cybersecurity in today's digital world, emphasizing the role it plays in protecting personal and organizational data.

Mrs. Bhumika A, Assistant Professor in the Computer Science Department, introduced the resource person, Mr. Suhas M, a renowned Cyber Security Trainer from Dubai. His extensive experience and expertise promised to offer valuable insights into the complexities of cybersecurity.

Morning Session

The first session of the workshop focused on the foundational aspects of cybersecurity. Mr. Suhas began by discussing the significance of cybersecurity and the crucial need for protecting personal data in an increasingly interconnected world. Key points included:

- **Importance of Data Security:** Mr. Suhas highlighted how personal and sensitive data can be vulnerable to breaches if not adequately protected.
- **Data Encryption:** He explained the principles of data encryption, outlining how it serves as a vital tool in safeguarding information from unauthorized access. The discussion included different types of encryption methods, such as symmetric and asymmetric encryption.
- **Risks and Challenges:** Mr. Suhas addressed the potential risks and challenges organizations and individuals face when their data is left unprotected. He illustrated

real-world examples of data breaches to emphasize the urgency of adopting cybersecurity measures.

- **Hands-On Exercises:** To reinforce learning, Mr. Suhas conducted practical exercises where students engaged in encryption and decryption tasks. This interactive component was highly effective, with students actively participating and demonstrating enthusiasm for applying their new knowledge.

Afternoon Session

Following a lunch break, the workshop resumed with a more advanced focus. The afternoon session, starting at 1:30 PM, provided a hands-on demonstration that allowed students to explore cybersecurity from a practical perspective. Key elements included:

- **Accessing Data Over the Network:** Mr. Suhas introduced the concept of network security and the various methods of accessing data securely. He explained the significance of understanding both offensive and defensive cybersecurity strategies.
- **12 Levels of Hacking:** One of the highlights of the session was the demonstration of 12 levels of hacking. This segment provided students with a step-by-step exploration of hacking techniques, showcasing how attackers might exploit vulnerabilities in systems.
- **SSH Private Server Access:** Mr. Suhas guided students through the process of accessing data from an SSH (Secure Shell) private server. This practical demonstration illustrated how secure communication is established over an unsecured network, highlighting the importance of secure protocols in data transmission.

Engagement & Learning

Throughout the workshop, students were highly engaged, asking questions and participating in discussions. The interactive format of the sessions kept their interest piqued, and the practical exercises solidified their understanding of the concepts being taught.

Career Insights

In addition to the technical training, Mr. Suhas provided valuable insights into career opportunities in cybersecurity. He discussed various pathways students could pursue, including roles in penetration testing, security analysis, and incident response. He also recommended relevant software, operating systems, and online resources for further learning and certification.

Conclusion

The workshop concluded with a feedback session, allowing students to express their thoughts and suggestions for future events. This feedback will be instrumental in refining and enhancing future workshops. A vote of thanks was delivered by Mrs. Hari Priya G S, expressing gratitude to Mr. Suhas for his insightful contributions and to the students for their

Outcome:

Participants demonstrate enhanced cybersecurity knowledge, practical skills in data protection, awareness of vulnerabilities, clarity in career pathways, effective resource utilization, active engagement, and valuable feedback for future improvements.

Students were highly engaged and enjoyed the practical experience.

He also provided valuable insights on how to pursue a career in **cyber security**, discussing the relevant **software, operating systems**, and offering **online course links** for further learning and certification.

The workshop concluded with **feedback** collected from the students, followed by a **vote of thanks** delivered by **Mrs. Hari Priya G S**.



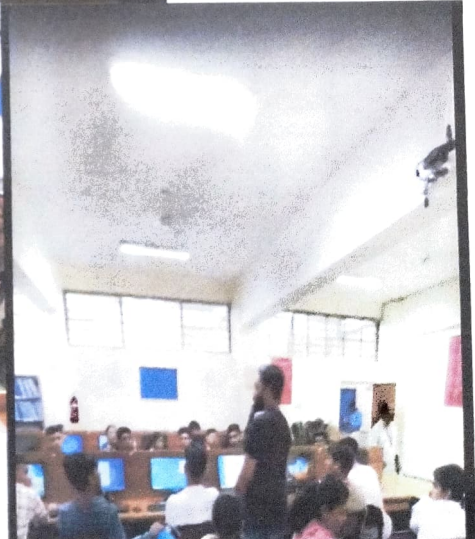
Shahi Darbar, M S Ramaiah Nagar, Mathikere, Bengaluru, Karnataka 560054, India

Latitude
13.032317°

Local 04:21:55 PM
GMT 10:51:55 AM

Longitude
77.5657972°

Altitude 923 meters
Tuesday, 20.08.2024




Head of the Department
of Computer Science
M S Ramaiah College of Arts
Science and Commerce

M S Ramaiah Nagar, Bangalore - 560054
MSRIT Post, Bangalore - 560054
+91 80 2360 0966/8597
+91 80 2360 6905
+91 80 2360 6213



Shruthi
Principal
M.S. Ramaiah College of Arts, Science & Commerce
MSRIT Post, MSR Nagar
Bangalore - 560 054

E: principal.msrtcasc@gmail.com
W: www.msrtcasc.edu.in



RAMAIAH
College of Arts, Science
& Commerce - Autonomous

Department of Computer Science

organize

WORKSHOP

ON

Cyber Security



20
August

SPEAKER

SUHAS M

Basavaraj C M

HOD Dept of Computer Science

Co-ordinator

Haripriya G S

