CAMBRIDGE INSTITUTE OF TECHNOLOGY

K.R. PURAM, BANGALORE – 560 036, Ph: 080-2561 8798 / 2561 8799

Fax: 080-2561 8789, email: principal@cambridge.edu.in

Affiliated to VTU, Belagavi| Approved by AICTE, New Delhi| NAAC& NBA Accredited|

UGC 2(f) Certified| Recognized by Govt. of Karnataka

DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

Lecture Poster

CAMBRIDGE INSTITUTE OF TECHNOLOGY

K.R. PURAM, BANGALORE – 560 036, Ph: 080-2561 8798 / 2561 8799

Fax: 080-2561 8789, email: principal@cambridge.edu.in

Affiliated to VTU, Belagavi| Approved by AICTE, New Delhi| NAAC& NBA Accredited|

UGC 2(f) Certified| Recognized by Govt. of Karnataka

DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

PROFILE PAGE

Mr. Manoj Deshmukh

CAMBRIDGE INSTITUTE OF TECHNOLOGY

K.R. PURAM, BANGALORE – 560 036, Ph: 080-2561 8798 / 2561 8799

Fax: 080-2561 8789, email: principal@cambridge.edu.in

Affiliated to VTU, Belagavi| Approved by AICTE, New Delhi| NAAC& NBA Accredited|

UGC 2(f) Certified| Recognized by Govt. of Karnataka

DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

Mr. Manoj Deshmukh is an experienced **Security Researcher** with over 6 years of expertise in identifying and mitigating security vulnerabilities across modern digital systems. He specializes in **penetration testing** for web applications, APIs, cloud platforms, and containerized environments.

With a strong focus on real-world impact, he excels in discovering exploitable weaknesses and helping organizations fix them effectively in production environments. His work involves conducting structured security assessments, from **exploit discovery to verified remediation**, ensuring that vulnerabilities are not only identified but also properly resolved.

Mr. Deshmukh is skilled in:

- Penetration testing for web, API, cloud, and container-based systems
- Attack-path analysis with clear demonstration of risk and business impact
- Providing actionable remediation strategies and validating fixes through retesting

He is committed to helping organizations strengthen their security posture by identifying critical gaps and guiding teams toward practical and sustainable solutions.

Contact Info:
LinkedIn: linkedin.com/in/manoj-deshmukh
Gmail: manojdeshmukh45@gmail.com

CAMBRIDGE INSTITUTE OF TECHNOLOGY

K.R. PURAM, BANGALORE – 560 036, Ph: 080-2561 8798 / 2561 8799

Fax: 080-2561 8789, email: principal@cambridge.edu.in

Affiliated to VTU, Belagavi| Approved by AICTE, New Delhi| NAAC& NBA Accredited|

UGC 2(f) Certified| Recognized by Govt. of Karnataka

DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

Report on Career Opportunities and Trends in Cybersecurity

A session on **Cybersecurity** was conducted to create awareness among students about the field, its real-world applications, and career opportunities. The session was interactive, informative, and aimed at correcting common misconceptions.

Introduction of the Session

The speaker began the session with a short clip from the movie **Mr. Robot**, which immediately captured students' attention and set the context for cybersecurity. This approach helped in building curiosity and engagement right from the start.

Clearing Misconceptions

The speaker addressed a common misconception that cybersecurity is only about hacking. He clarified that the field is much broader and includes protecting systems, securing networks, and ensuring data safety. He also discussed various **career opportunities and emerging trends** in cybersecurity, helping students understand the scope and future of this domain.

The speaker clarified that cybersecurity is much broader and includes:

- Protecting systems
- Securing networks
- Preventing Cyber Attacks
- Ethical practices and legal frameworks

This helped students gain a more accurate understanding of the field.

Career Opportunities in Cybersecurity

The speaker explained various career paths available in cybersecurity, such as:

- Ethical Hacker
- Security Analyst
- Network Security Engineer
- Cybersecurity Consultant
- Digital Forensics Expert

He emphasized that the field offers **diverse roles** suited to different interests and skill sets.

Demonstration of Devices

Using various devices, the speaker demonstrated their role in cybersecurity. He explained:

- How devices are used to monitor and secure systems.
- Their practical applications in real scenarios.

Pros

- Enhance security and monitoring.
- Help detect threats early.
- Improve system protection.

Cons

- Can be expensive.
- Require skilled professionals.
- Misuse can lead to ethical/legal issues.

Learning Outcomes

Students gained

- Clear understanding of cybersecurity beyond hacking.
- Awareness of career opportunities.
- Insight into real-world applications and challenges.
- Knowledge about tools and devices used in the field.

CAMBRIDGE INSTITUTE OF TECHNOLOGY

K.R. PURAM, BANGALORE – 560 036, Ph: 080-2561 8798 / 2561 8799

Fax: 080-2561 8789, email: principal@cambridge.edu.in

Affiliated to VTU, Belagavi| Approved by AICTE, New Delhi| NAAC& NBA Accredited|

UGC 2(f) Certified| Recognized by Govt. of Karnataka

DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

Conclusion

The session was highly informative and engaging. The use of a movie clip, real-life examples, and device demonstrations made the concepts easy to understand. It successfully motivated students to explore cybersecurity as a career option and understand its importance in today's digital world.

Cybersecurity is not just about hacking—it is about protecting the digital world responsibly.

CAMBRIDGE INSTITUTE OF TECHNOLOGY

K.R. PURAM, BANGALORE – 560 036, Ph: 080-2561 8798 / 2561 8799

Fax: 080-2561 8789, email: principal@cambridge.edu.in

Affiliated to VTU, Belagavi| Approved by AICTE, New Delhi| NAAC& NBA Accredited|

UGC 2(f) Certified| Recognized by Govt. of Karnataka

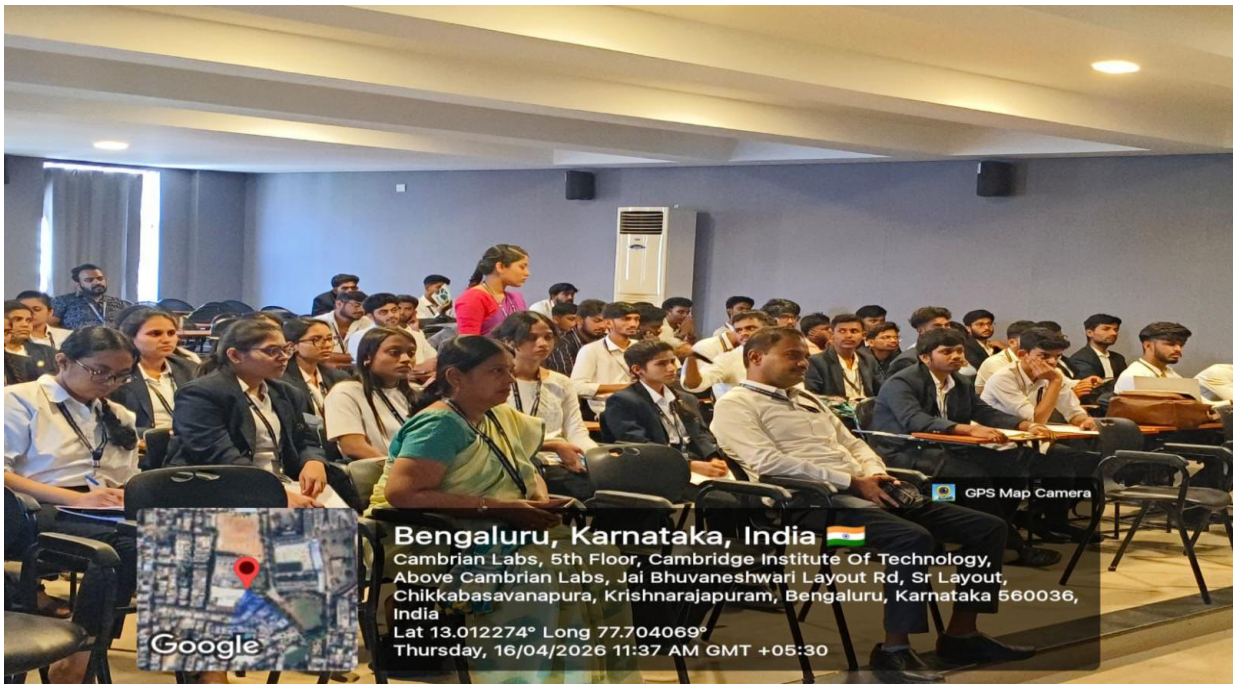
DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS

CAMBRIDGE INSTITUTE OF TECHNOLOGY

K.R. PURAM, BANGALORE – 560 036, Ph: 080-2561 8798 / 2561 8799

Fax: 080-2561 8789, email: principal@cambridge.edu.in

Affiliated to VTU, Belagavi| Approved by AICTE, New Delhi| NAAC& NBA Accredited|

UGC 2(f) Certified| Recognized by Govt. of Karnataka

DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS