CYBERSEEDS PROGRAM SESSION-3

Date: 18th January 2025

School of Computer Applications recently organized the third session of CYBERSEEDS, an industry immersion programme was organized for the 3rd semester MCA students. The resource persons for the day were Mr. Kamal Sharma, Co-Founder, Authentic One Cyber security (P) Ltd., Mr. Akash Purohitha, and Ms. Yogini.

Access control is a fundamental pillar of cyber security, ensuring that sensitive data, resources, and systems are accessible only to authorized individuals. In today's lecture, we explored a wide range of concepts and mechanisms that form the backbone of access control, highlighting their importance in securing organizational and personal environments.

1. **Security Controls and Assessments:** The implementation of preventive, detective, and corrective controls to mitigate risks.
2. **Physical and Logical Access Controls:** Physical controls such as biometric scanners, locks, and surveillance systems. Logical controls including firewalls, encryption, and access management tools.
3. **Access Control Models:** Discretionary Access Control (DAC), Mandatory Access Control (MAC), and Role-Based Access Control (RBAC) were examined as key models to define access permissions.
4. **Privileged Access Management (PAM):** Strategies for managing privileged accounts to ensure critical systems remain secure.
5. **Authentication and Authorization:** Mechanisms to verify user identity and ensure appropriate access based on roles and permissions.
6. **Separation of Duties and Defense-in-Depth:** Ensuring no single individual has excessive control over critical processes and implementing multiple layers of security for comprehensive protection.

The lecture provided a comprehensive understanding of access control concepts, tools, and domains. These topics underscore the importance of adopting a robust and layered approach to safeguarding information systems and minimizing vulnerabilities.

We extend our heartfelt thanks to Mr. Kamal Sharma, Mr. Akash Purohitha, and Ms. Yogini for their insightful and engaging session on access control. Their guidance and expertise have significantly enhanced my understanding of this critical topic.

The session ended with a question and answer session where our resource persons interacted with our students and cleared their various doubts.

MOOC Coordinator   **Dean**
Dr. R. Kokila   Dr. Senthil. S

FEEDBACK ANALYSIS REPORT

Questions	Excellent	Good	Average	Poor
Were the topics covered in the event relevant to your area of interest?	50	24	-	-
How would you rate the speaker's ability to explain complex topics clearly?	49	23	2	-
Was the event well-organized and conducted as per the schedule?	44	26	4	-
Did the event enhance your knowledge and understanding of the subject?	43	30	1	-
How would you rate your overall experience of the event?	50	23	1	-

CyberSEEDS Session-3- Feedback Analysis