Pharming Lesson plan

Learning Content phase	Learning outcome	Teaching /Learning objectives	Learning Activities (actions and teaching methods to meet the objectives)	Teacher/trainer activities (What is the role of the teacher/trainer and what is he/she going to do?)	Communication and Collaboration form	Resources, tools, and media
Introduction and orientation **20 minutes**	Understand the concepts and types of Pharming Attacks	-Define Pharming and its basic characteristics. -Identify different types of Pharming Attacks - Discuss the difference between Phishing and Pharming	-Use Learning Videos to watch Pharming attacks. -Discussion (Questions and Answers, brainstorming) - Ask students to share any recent incidents or news they have heard about Pharming	Guide students through discussions, ensuring clarity and addressing misconceptions.	Verbal and Guided Communication and collaboration form: teacher - student, student-student; remote or on site, synchronous or asynchronous.	LMS/Videos
Lesson Execution -15 minutes	Analyze the impact and behavior of Pharming Evaluate the effectiveness of Pharming detection and prevention strategies	- Analyze real-world examples of Pharming attacks and their consequences - Study the techniques employed by attackers to redirect website traffic and deceive users - Investigate the vulnerabilities in the DNS infrastructure that can be exploited for pharming. - Evaluate the role of secure DNS protocols such as DNSSEC in preventing DNS manipulation - Assess the effectiveness of DNS monitoring and anomaly detection techniques - Compare and contrast different DNS service providers and their security features	-Discussion (Questions and Answers, brainstorming)	Present real-world Pharming examples. Moderate discussion ensuring knowledge is practically applied and understood.	Verbal and Guided Communication and collaboration form: teacher - student, student-student; remote or on site, synchronous or asynchronous.	LMS/Videos
Evaluation – 10 minutes	Assessment of students/lesson	Evaluate students' understanding of Pharming and their ability to apply this knowledge in a practical context.	Students will answer an online evaluation assessment/lesson feedback in the LMS and they will get the results	Clearly instruct on evaluation and feedback procedures, assist with any issues, and encourage honest feedback while ensuring all responses are collected for future reflection.	Written Evaluation Communication and collaboration form: teacher - student, student-student; remote or on site, synchronous or asynchronous.	LMS/Quiz