

MARIS STELLA COLLEGE (AUTONOMOUS), VIJAYAWADA -8
(Affiliated to Krishna University, Machilipatnam)

SYLLABUS

Subject: Computer Science

Semester: V/VI

Course Title: Cyber Security – Practical Course Code: 20CSP622CS1

No of Hours: 45 Hrs.

LTP: 002

Credits: 1

Objectives

- To gain the knowledge in cyber security.
- To configure the LAN using Networking.

Course Outcomes

CO1: Implement the concepts of switch, router and packet.

CO2: Implement the features of services and able to publish Networking Applications.

CO3: Implement various Malware analysis tools.

List of Practicals:

(30 Hrs.)

1. Configure a LAN by using a switch
2. Configure a LAN by using Router
3. Perform the packet sniffing mechanism by download the “wire shark” tool and extract the packets
4. Perform an SQL Injection attack and its preventive measure to avoid Injection attack

Skill/Hands-on: Field work/Mini Project

1. Configure a LAN for a computer lab using network devices.

Website References:

1. <https://csrc.nist.gov/Projects/cybersecurity-framework/nist-cybersecurity-framework-aquick-start-guide>
2. <https://owasp.org/www-project-top-ten/>
3. <https://owasp.org/www-project-juice-shop>

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Practical-Scheme of Valuation

Time: 3 Hrs.

Max. Marks: 50

Practical	Marks
Program Writing	15 M
Program Execution	15 M
Viva	10 M
Practical Record	10 M
Total	50 M