



**Amal Jyothi College of Engineering  
Kanjirappally, Kerala**

**NESSUS**

**MCA SEMINAR REPORT**

*Submitted in the partial fulfillment of the requirements for the*

*Award of the Degree in*

**Master of Computer Applications**

**By**

**ANNU MARIYA JOMICHAN**

Reg No: LAJC18MCA012

*Under The Guidance Of*

**Ms. DILU MARIYA JOSEPH**

**January 2021**

**DEPARTMENT OF COMPUTER APPLICATIONS  
AMAL JYOTHI COLLEGE OF ENGINEERING  
KANJIRAPPALLY**



**CERTIFICATE**

*This is to certify that the seminar report, “NESSUS” is the bonafide work of ANNU MARIYA JOMICCHAN (Reg.No:LAJC18MCA012) in partial fulfillment of the requirements for the award of the Degree of Master of Computer Applications under APJ Abdul Kalam Technological University during the year 2020-21.*

**Ms. Dilu Mariya Joseph**  
**Internal Guide**

**Sr. Elsin Chakkalackal S.H**  
**Coordinator**

**Fr. Rubin Thottupuram**  
**Head of the Department**

## ACKNOWLEDGEMENT

First and foremost, I thank God almighty for his eternal love and protection throughout the seminar. I take this opportunity to express my gratitude to all who helped me in completing this seminar successfully. It has been said that gratitude is the memory of the heart.

I wish to express my sincere gratitude to our manager **Rev. Fr. Dr. Mathew Paikatt** and Principal **Dr. Z V Lakaparampil** for providing good faculty for guidance.

I owe a great depth of gratitude towards our Head of the Department **Fr. Rubin Thottupuram** for helping us. I extend my whole hearted thanks to the seminar coordinators **Fr. Rubin Thottupuram** and **Sr.Elsin Chakkalackal S.H** for their valuable suggestions and for overwhelming concern and guidance from the beginning to the end of the seminar. I would also like to express sincere gratitude to my guide, **Ms. Dilu Mariya Joseph** for her inspiration and helping hand.

I thank our beloved teachers for their cooperation and suggestions that helped me throughout the seminar. I express my thanks to all my friends and classmates for their interest, dedication, and encouragement shown towards the seminar. I convey my hearty thanks to my family for the moral support, suggestions, and encouragement to make this venture a success.

**ANNU MARIYA JOMICCHAN**

## **ABSTRACT**

Nessus is a great vulnerability scanning tool. It comes with an easy to use graphical user interface and is capable of scanning multiple networks for open ports and vulnerabilities. Nessus support Mac, linux and windows operating system. Nessus is a remote scanning tool that you can use to check computers for security vulnerabilities. It does not actively block any vulnerabilities that your computers have but it will be able to sniff them out by quickly running 1200+ vulnerability checks and throwing alerts when any security patches need to be made. If you are an administrator in charge of any computer (or group of computers) connected to the internet, Nessus is a great tool help keep their domains free of the easy vulnerabilities that hackers and viruses commonly look to exploit.

Nessus holds a significant place among the penetration testing tool, which is branded susceptibility scanner and has been advanced by Tenable Network Security use it for free only if you use it for personal use amid a non-enterprise setting. However, it allows you to scan for numerous kinds of vulnerabilities. Nessus does not actively prevent attacks, it is only a tool that checks your computers to find vulnerabilities that hackers cloud exploit.

# CONTENTS

1. INTRODUCTION	1
1.1 KALI LINUX	1
1.2 PENETRATION TESTING	1
2. NESSUS	4
2.1 INTRODUCTION TO NESSUS	4
2.2 FEATURES	4
2.3 INSTALLING AND CONFIGURING NESSUS	5
3. IMPLEMENTATION AND SCREENSHOTS	8
4. CONCLUSION	14
5. REFERENCES	15