Department of Electronics and Telecommunication Engineering

ETHICAL HACKING AND CYBER SECURITY WORKSHOP REPORT

Dates: 30th March 2019 – 31th March 2019
Time: 09:00 am - 05:00 pm
Address: MGM's College of Engineering and Technology, Kamothe; Navi Mumbai

About:- 2 days Workshop conducted on Ethical Hacking and Cyber Security.

I3indya Technologies collaborated with Radiance'19 IIT Bombay in association with IEEE MGMCET Student Branch, Bombay Section presents Cyber Disease workshop on Ethical Hacking and Cyber Security. Ethical Hacking sometimes called as Penetration Testing is an act of intruding/penetrating into system or networks to find out threats, vulnerabilities in those systems which a malicious attacker may find and exploit causing loss of data, financial loss or other major damages. The purpose of ethical hacking is to improve the security of the network or systems by fixing the vulnerabilities found during testing. Ethical hackers may use the same methods and tools used by the malicious hackers but with the permission of the authorized person for the purpose of improving the security and defending the systems from attacks by malicious users. The intended audience is students as well as professors enrolled in the workshop. Students of First year, Second year, Third Year, Final Year of all department attended the workshop. As the workshop has a great scope ahead of students participation was not only from our college but from other colleges students also participated in the workshop and enriched their knowledge about Ethical Hacking.The workshop was delivered by Mr. Ranjeet Ambarte (Trainer). The Branch Counselor of IEEE MGMCET Student Branch Mrs. Neda Khan graced the student with her presence throughout the seminars.

About The Department:- Electronics and Telecommunication Engineering

Vision

To produce world class Technocrats, Scientists & Entrepreneurs with new ideas & innovations to meet cost effective industry expectations for all sections of society.

Mission

1-To develop & deliver quality academic programs in emerging & innovative field of Engineering to empower the students to meet Industry Standards.
2-To motivate students to develop innovative solutions for betterment of society.
3-To Create Centre of Excellence by establishing the Incubation Centers to meet global research challenges.

Fig 1:- Poster of workshop

DAY 1 (30th March 2019)

INTRODUCTION TO THE ETHICAL HACKING

The very first day of the workshop. All the participants gathered on given venue with excitement screaming out of their hearts. The participants were then introduced to the trainers Mr. Ranjeet Ambarte. They were quite gullible and down to earth in their approach of training the students and made a promise that "no student would go unbenefited after the completion of the workshop".

On the first day, 7 topics on hacking were taken into account. List of the topics is as given below:
- Fundamental of Ethical Hacking
- Virtualization & System Cloning
- Windows Hacking and Security
- Online Cloud Computer Development
- Data Hiding Techniques & Investigation
- Hacking by Batch Programming and Scripting
- Hacking by Key Loggers, Trojans, Backdoors & Viruses

The trainers introduced the participants to the concept and theory of Ethical Hacking and what is the future scope for students in this field. Then the session were started which included the basic knowledge and fundamental of Ethical Hacking. The beginning session began on an easy note. However, as it progressed, to add more value and make the workshop interesting, the trainers kept on enriching the content which all the participants found quite challenging to complete.

Fig 2:- Introduction to Hacking

Fig 3:- Participates working on given task

The day came to an end by responding to all queries and a quick sneak peek into the next day sessions. The participants dispersed with great curiosity and craving for more.

DAY 2 (31st March 2019)

MORE OF HACKING & FELICITAION OF PROFESSORS AND TRAINER

The day started with some of the participants coming up and giving an honest feedback about the workshop day 1, what they liked the most and what they found not so good. Then all the students focused on the topics for the day. The very first topic for the day 2 was Google Database Hacking. It was followed by the Proxy Server & VPN Technologies. Then the students were introduced to how Email Hacking is done. Some of which included reading the values of temperature & humidity sensors on their phones, making a mini home automation system and controlling it using android smart-phone and their voice.

Overall that day 8 topics were covered Listed below:
- Google Database Hacking
- Proxy Server and VPN Technologies
- Email Hacking and Security Issue
- Facebook Hacking and Security
- Website and Database Hacking Attacks
- Android Hacking and Security
- Credit Card and Frauds
- Case Study

At the end of workshop some questions were asked by trainer to participates, the participates who were able to answer that questions were awarded by goodies.

Fig 4:- Participate awarded by goody

During the workshop, students asked questions regarding the topics and were very satisfied with the answers from Trainer.

End of the workshop all the participants were greeted with a certificate of participation. Also, Mr. Ranjeet Ambarte Sir extended thanks to all the IEEE volunteers, Neda Khan Mam for organizing the workshop. The Trainer were given a Token of Appreciation and the trainers were awarded with Certificates.

Fig 5:- Rakhee Sonavne Ma'am felicitating Ranjeet Ambarte Sir (Trainer)

Fig 6:-Ranjeet Sir felicitating Hod Sir

Fig 7:-Ranjeet Sir felicitating Neda Ma'am

Fig 8:- Principal Sir, HoD Sir, Neda Ma'am , IEEE volunteers with all participates

We thank The Management, Principal Sir, HoD Sir, Trainers, Participants and supporting faculties for their support.

Total Participation:- 40 ; IEEE Volunteers:- 10 , Faculty members:- 2.

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