Seminar Report on "Mobile and E-mail Security"

1. Date of the Seminar/Workshop: 03-04.2021

2. Title of the Seminar/Workshop: "Mobile and E-mail Security"

3. Name of the Speaker/Resource person with Affiliation with the institute/industry:

Dr. Saurabh Patil

HOD, CMPN

Xavier Institute of Engineering

Mumbai

4. Venue of the Seminar/Workshop: Platform used-Google meet

5. Duration of the Seminar: 2 hrs

6. Conducted For: Students of Third year Computer Engineering

7. Objective of the Seminar/Workshop /Curriculum Gap identified/Other than that:

The objective of the Seminar was basically to ensure that the students should have a knowledge of various security issues that are faced by an organization or individual. The syllabus does not focus on Mobile security which was tried to covered in this seminar

8. Contents of the Seminar/Workshop:

The 2 hours period was very interactive and students enthusiastically participated in the hands-on taken by the speaker. The speaker started with making students understand concepts of

- Threat, Vulnerability, Attack and Control

- How to check whether an email is genuine or not

- Flaw in SMTP Protocol

- Protocols that should be followed by an email

- What is SPF, DKIM and DMARC Protocol

- Hacking a mobile phone using Kali linux

- Live demonstration was taken on how a smart phone can be hacked to send messages

9. Description of the Entire Event

The Computer Department of St. Francis Institute of Technology organized a seminar on "Mobile and Email Security" on Friday 3rd April between 10:30 am to 12:30 p.m., online on Google meet.

There were approximately 100 student participants and 8 faculty participants who attended the seminar. The program was started with welcome speech by Ms. Ankita Karia where she introduced the Speaker. Dr. Kavita Sonawane, HOD, CMPN welcomed all participants as well as speaker.

The speaker started off making students understand basic principles related to network security.

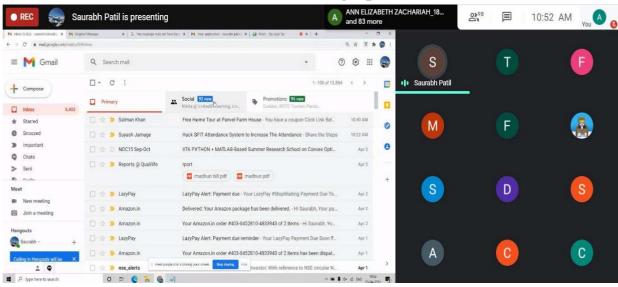
Then he demonstrated how a phishing email can be sent. He made students understand the flaws in SMTP protocol. He further added it is very easy for an attacker to perform such phishing attacks. He explained students how to check the authenticity of any mail that is received by us. He told that there were 3 protocols that an email should pass though. He demonstrated each protocol one after another.

He then asked students to open Kali Linux on their system to perform mobile hacking. He also explained students how to create a fake website and how to retrieve login credentials from the user. He then asked students to perform various steps involved in mobile hacking

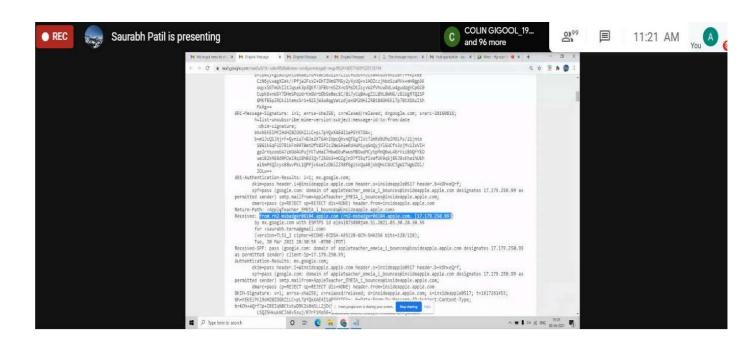
Students were sincerely following all the steps and were successful in compromising a smart phone.

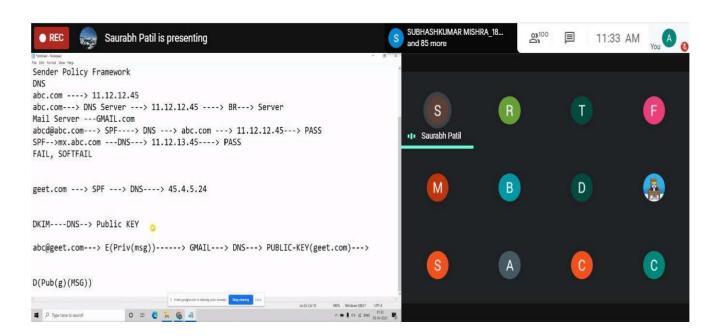
The overall session was very interactive and students learnt about glitch in Email and Smart Phone. They also learnt how any vulnerability can be easily exploited by an attacker

Session Photograph

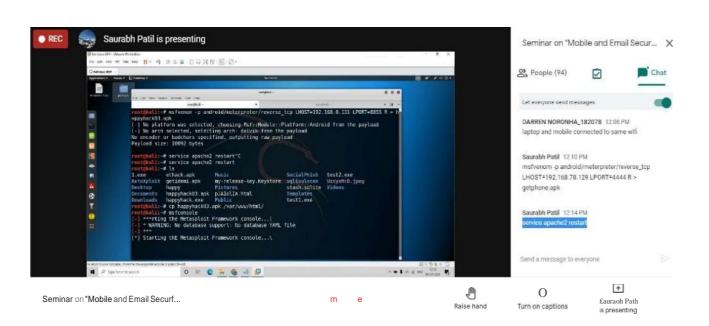


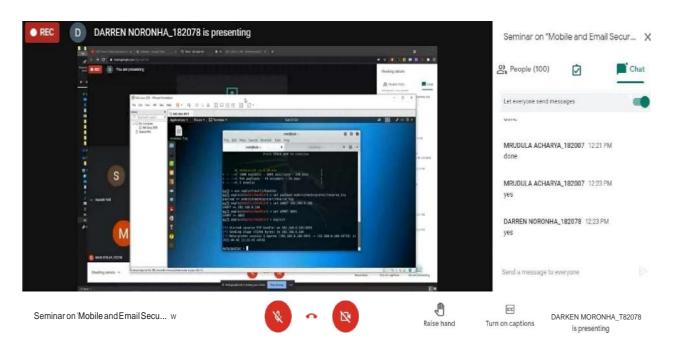


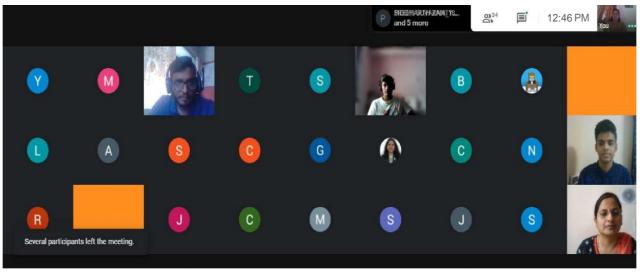


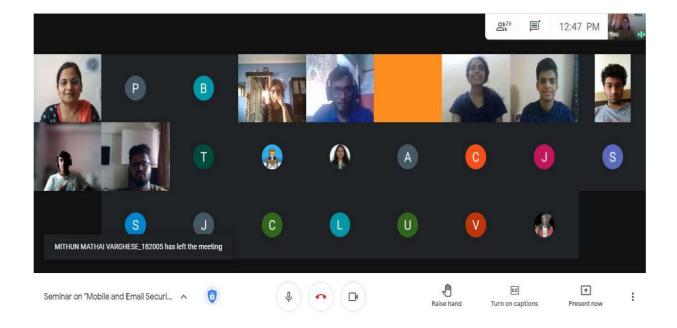












Ms. Varsha N and Ms. Snehal K. Seminar Incharge

Dr. Kavita Sonawane
HOD, CMPN