1. **An overview of penetration testing. Aileen G. Bacudio, Xiaohong Yuan.**

It is a series of activities undertaken to identify and exploit security vulnerabilities. the benefits, the strategies and the methodology of conducting penetration testing. The methodology of penetration testing includes three phases: test preparation, test and test analysis. This paper implements a type of penetration testing like webcam hacking and location tracking.

1. **What is Location Tracking, Bob Cohen**

Paper provides an idea about what a location tracking refers to. It defines,Location tracking refers to technologies that physically locate and electronically record and track the movement of people or objects. And it also gives an idea about how location tracking is used, advanced tracking systems, etc. In this proposed system, we are dealing with tracking the location of the victim along with the device information.

1. **Mobile Phone Location Tracking by the Combination of GPS, Wi-Fi and Cell Location Technology. M.L. Kulthon Kasemsan**

It shows an idea about different methods that a mobile phone gets tracked. A combined method for tracking the location of moving devices accurately and effectively even though GPS signals was not available. Provided a better way to track devices which will eliminate the limitation of build-in GPS phone. The proposed system is also compatible for devices where GPS Hardware is not present, such as on a Laptop.

1. **Protecting Privacy in Continuous Location Tracking Applications, Marco Gruteser.**

Deal with privacy issues in allowing location permission. As the paper is concerned with location, here it provides different technology that support useful location-based services (LBS), which tailor their functionality to a user’s current location, privacy, might seriously hamper user acceptance. Mainly provide three types of information like, position awareness, sporadic queries, and location tracking.

1. **Hacking Attacks, Methods, Techniques and Their Protection Measures Dr. Sunil Kumar, Dilip Agarwal.**

**Ethical Hacking and Hacking Attacks. Aman Gupta, Abhineet Anand.**

Provide information about basic hacking attacks, methods and how all these are done. Deals with different types of hacking, types of hacking tools and tools used by hackers. Also deals with major hacking protection techniques. So, it provides an idea about how different objects get hacked and how to prevent these problems.

1. **Webcam covering phenomenon Karen Renaud.**

**Webcam hack shows vulnerability of connected devices, Philip Hammond**

Paper deals with webcam hacking vulnerabilities. And research which shows that hackers can access the webcam without indicating the ‘on’ indicator light. Also deals with different safety measures taken like covering up the webcam, etc.

1. **How to secure your webcam and help prevent webcam hacking.**

**The webcam hacking epidemic.**

Webcam can be hacked by an attacker by using a malware. They might think you’re downloading a legitimate program. Instead, malware infects your computer. Now hackers could get control over the device, including the webcam. To avoid these, different security measures like keeping firewall active, avoiding all suspicious links, keeping a VPN etc. are taken.

1. **What is Ngrok:**

Ngrok creates a secure tunnel on the local machine along with a public URL. It can bypass NAT Mapping and firewall restrictions by creating a long-lived TCP tunnel from a randomly generated subdomain to the local machine. By default, ngrok creates both HTTP and HTTPS endpoints. In our proposed system, Ngrok is used to create links for both location tracking and webcam hacking.