**Penetration Testing:**

1. **An overview of penetration testing.**

**Aileen G. Bacudio, Xiaohong Yuan.**

<http://airccse.org/journal/nsa/1111nsa02.pdf>

It is a series of activities undertaken to identify and exploit security vulnerabilities. The methodology of penetration testing includes three phases: test preparation, test and test analysis.

**Location Tracking:**

1. **GPS-based Location Tracking System via Android Device.**

**Md. Palash Uddin, Md. Zahidul Islam, Md. Nadim**

<https://www.researchgate.net/publication/259581222_GPS-based_Location_Tracking_System_via_Android_Device>

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.

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

**M.L. Kulthon Kasemsan.**

<http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.641.356&rep=rep1&type=pdf>

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.

1. **Protecting Privacy in Continuous Location Tracking Applications**

**Marco Gruteser.**

<https://lasr.cs.ucla.edu/classes/239_2.spring04/papers/01281242.pdf>

Deal with privacy issues in allowing location permission. 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.

**Hacking:**

1. **Hacking Attacks, Methods, Techniques and Their Protection Measures**

**Dr. Sunil Kumar, Dilip Agarwal.**

<https://www.researchgate.net/publication/324860675_Hacking_Attacks_Methods_Techniques_And_Their_Protection_Measures>

**Ethical Hacking and Hacking Attacks.**

**Aman Gupta, Abhineet Anand.**

<https://www.researchgate.net/publication/316431977_Ethical_Hacking_and_Hacking_Attacks>

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.

**Webcam Hacking:**

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,**

<https://us.norton.com/internetsecurity-malware-webcam-hacking.html>

**The webcam hacking epidemic.**

<https://www.theatlantic.com/technology/archive/2014/12/the-webcam-hacking-epidemic/383998/>

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.

**Ngrok:**

1. **What is ngrok**

**Reason to use ngrok when testing webhooks. Phil Nash.**

Ngrok creates a secure tunnel on the local machine along with a public URL. 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.