**Introduction**

Bluetooth and USB devices have become ubiquitous in our daily lives, used for various purposes such as transferring files, connecting to wireless headphones, and charging our smartphones. To better understand the behaviour of these devices, it is important to investigate the various protocols involved in their communication.

In this project, we will use Wireshark, an open-source software, to read live data from Bluetooth and USB devices and investigate 10 protocols. By reading live data, we can gain insights into how Bluetooth and USB communication works, as well as the various protocols involved in their communication. The project aims to gain a deeper understanding of Bluetooth and USB devices, as well as the protocols involved in their communication.

The report will describe the methodology used to capture and analyze Bluetooth and USB traffic, as well as the protocols investigated using Wireshark.

**Objective**

The objective of this project is to use Wireshark to analyze a computer network at the microscopic level and investigate at least 10 protocols. In addition to analyzing network traffic, the project will also involve reading live data from Bluetooth and USB devices. The project aims to gain insights into how network protocols work, identify potential security risks, and improve the performance of the network. The report will describe the methodology used to capture and analyze network traffic, the tools and equipment used, and the results obtained from the analysis. Additionally, the report will discuss the limitations of the project and future work that could be done to improve or expand upon the results. By gaining a deeper understanding of network protocols and USB/Bluetooth communication, we can better secure and optimize computer networks for a variety of applications.

**Description**

The project aims to gain a better understanding of Bluetooth and USB devices, as well as the various protocols involved in their communication. By using Wireshark, an open-source software, we will read live data from Bluetooth and USB devices and investigate 10 different communication protocols.

The project will start with an overview of Bluetooth and USB devices, their common use cases, and how they work. We will then describe the methodology used to capture and read live data from these devices, including the equipment and tools used.

Using Wireshark, we will investigate 10 different protocols involved in Bluetooth and USB communication, such as Bluetooth Low Energy (BLE), USB 3.0, and Wireless USB.