SYNOPSIS OF THE PROJECT

Made By: **Sparsh Agarwal**

Grade: **11th – A**

Language: **Python 3**

Topic: **YouTube Video Downloader**

**Problem:**

Nowadays, most of the people watch and share and videos on YouTube. YouTube app on Android and iOS has the option to save and download videos on your device so that they can be watched when there’s no internet available. But viewers who watch videos from their computer can’t download the videos or watch them when they’re not online.

So, I decided to look out a way which will enable the viewers to download those videos in their machine(s) and share them.

If you just search out for any YouTube Video Downloader(s), hundreds of will be displayed. But they don’t contain all videos to download. Besides this, for example **y2mate.com** will redirect you to some another website while we’re downloading videos. These may be malicious or NSFW sites which may harm your computer or may divert your focus.

**Requirements:**

The user needs to have this software in their computer and, apparently, an internet connection to download videos :)

**Working Methodology:**

When you launch the application, you will get a display with white background and **some space** to paste the link in it. Then you will see a **DOWNLOAD** button just below that empty space. Clicking on the **DOWNLOAD** will download that video in the **E:\**.

WARNING: After clicking on the **DOWNLOAD** button, the application will stop responding. Kindly *DON’T TRY TO CLOSE THAT APPLICATION WINDOW*. It is downloading the video that’s why it won’t respond. Closing the window will interrupt the download and your file will not be downloaded properly.

After some time, the window will start responding. This means that the download is complete. On the bottom of the application window, you will see a label saying **Download Finished.** Now, you can close the application and open file explorer. In the **E:\** drive, you will find your downloaded video.

In this program, I have used the **tkinter** library *(also one of the famous libraries to make applications)* to make **GUI** *(Graphical User Interface)*. Also, to fetch videos (or video data) from YouTube, I have used the **pytube** library to do the same. *(I kinda used web scraping for this as it was required.)*