**Task 4-Tools and techniques**

* Extended the leaflet and find out about the following:
  + Metasploit Framework

It is an open source tool which exploits a machine. A penetration tester uses it to exploit the vulnerabilities in a remote system.

* + OpenSSH

IT is a secure networking utilities based on the Secure Shell protocol, which provides a secure channel over an unsecure network.

* + Wireshark

It is a free open source packet analyzer, which is used to network troubleshooting, analysis, software and communication protocol development.

* + Nessus

It is a vulnerability scanner which is free for personal use and can be used in a private environment.

* + Aircrack -ng

It is a network software which detects packet sniffers. It work in any wireless network controller whose driver supports raw monitoring mode.

* + Snort

It is a free open source network which is able to current traffic flow, and also able to analyse, perform searching content and matching them.

* + John the ripper

It is a free password cracking software which runs on fifteen different platforms.

* + Google

Google provides internet related services and products which involve advertising, search engine, cloud computing, software, and hardware.

* + L0phtCrack

IT s a password recovery software which is used to test password strength and recover lost passwords in microsoft windows by using dictionary, brute force, hybrid attacks and rainbow tables.