**CN Project Title: GUI Based**

**Network Tool Sniffer**

**Project Supervisor: Sir Shoaib Raza**

* **Member # 01: Syed Baqar Ali Zaidi (19K-1033)**
* **Member # 02: Khubaib Alam (19K-1050)**

**Project Description:**

Network packet sniffer is a desktop application that monitors all the coming traffic over the network on run-time.

* Real-time packet capturing
* Packet Decoding
* TCP/UDP filtering at Transport Layer
* IP Filtering at network layer
* ICMP Filtering at network layer
* Application layer filtering for HTTP, HTTPS, Telnet, SMTP
* Exporting to a file in a user readable format

**Plan of Work:**

| **Khubaib Alam (19K-1050)** | **Syed Baqar Ali Zaidi (19K-1033)** |
| --- | --- |
| TCP/UDP filtering at network layer | IP filtering at network layer |
| ICMP packets sniffing at network layer | Application layer packet sniffing for HTTP, HTTPS |
| Application layer packet sniffer for Telnet, SMTP | Exporting to a file in a user readable format |