

### **First Assignment**

Install the following tools

Wireshark

Packetth (Install this tool after installing Wireshark otherwise some library error will occur)

Analyse Wireshark tool

Create ICMP packet using packetth and analyse it.

### **Second Assignment**

Implement Port knocking concept

### **Third Assignment**

Cookie Analysis (Transport analysis through Wireshark)

### **Fourth Assignment**

Create the HTTP authentication for session management using the .htaccess

### **Fifth Assignment**

Analyse and differentiate the New IP header and IP header in Tunnel mode of IPSec.