

## STW206CDE Real Word Project

**Total Group Members:** 4

**Group Leader:** Ashim Pradhan

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**Topic name:** Router Hacking Tool

**Concerns that the group is about to resolve:** We are about to hack the routing table by making a router hacking tool. This tool will be able to manipulate the routing tables, sniff the packet from the network and eavesdrop on the whole network. It can also do the DOS attack on the network which would cause the discrepancy in the service. Here are some of the topics included in the projects:

- 1 Router hacking
2. Packet sniffing
3. Sending malicious scripts
4. Gaining access to the user's device
5. Spreading malware.

**Recommended Approach:** We are about to use different modules to fulfil the aim of the project. We are about to do the layer 3 attack i.e on the network layer. We would be mainly looking at the scapy module and its efficiency will be used to its fullest to gain the goal of this project. The functionality of this module such as packet sniffing and manipulating are used.