**IMPLEMENTATION**

**FLOW OF THE ENTIRE PROJECT:**

1. **Capturing the Ethernet Frame.**
2. **Extracting IP Packet.**
3. **Defining the Various Protocols and extracting Information.**
4. **Study and generate signature for DDoS.**
5. **Study and generate signature for ARP Poisoning.**
6. **GUI Implementation (Windows Software)**

**Work done until Feb 2nd:**

* **Study related to various attacks and figuring out which to be implemented.**
* **Capturing the Ethernet Frame (Windows doesn’t allow raw packet so looking for library to capture that.)**
* **Extracting the IP Packet**

**Week – 2: (Starting Feb 2nd – Feb 9th)**

* **Implementing the Ethernet Frame for Windows.**
* **Defining Protocols in Programming (TCP, ICMP, UDP).**
* **Extracting Protocols.**
* **Understanding DDoS attacks.**

**Week – 3: (Starting Feb 10th – Feb 16th)**

* **Still need to figure out Ethernet Frame.**
* **Implementing DoS: Ping Flood, SYN Flood, UDP Flood.**
* **Same Source. ICMP Packet (Request). Threshold = 10. Time: 60 sec or 1 min. Alert.**
* **Focus on Distributed.**

**Week – 4: (Starting Feb 17th – Feb 23th)**

* **Mail Professor for MAC address assistance.**
* **Implementing DDoS.**
* **Start focusing on GUI.**

**Week – 5: (Starting Feb 24th – Mar 2nd)**

* **Started implementing GUI.**
* **Look for Installing libraries.**

**Week – 6: (Starting Mar 3rd – Mar 9th)**

**Week – 7: (Starting Mar 10th – Mar 16th)**

* **Report Writing & Presentation, if any**

**Week – 8 (Starting Mar 17th – Mar 23th):**

* **Report Writing & Presentation, if any**