**ATTACKS IN IMANET**

4.1 Passive Attacks

4.1.1 Snooping or Eavesdropping

4.1.2 Traffic Analysis

4.1.3 Traffic Monitoring

4.2 Active Attacks

4.2.1 Dropping Attacks

4.2.2 Modification Attacks

4.2.3 Fabrication Attacks

4.2.4 Timing Attacks

4.3. OSI Protocol Stack based Active Attacks

4.3.1 Application Layer Attacks

4.3.2 Transport Layer Attacks

4.3.3 Network Layer Attacks

4.3.3.1 Blackhole Attack

4.3.3.2 Tunneling Attack

4.3.3.3 Sinkhole Attack

4.3.3.4 Link Withholding Attack

4.3.3.5 Link Spoofing Attack

4.3.3.6 Replay Attack

4.3.3.7 Sybil Attack

4.3.3.8 Byzantine Attack

4.3.3.9 Resource Consumption Attack

4.3.4 Data Link Layer Attacks

4.3.5 Physical Layer Attacks

The proposed ontology consists **of six main classes**:

1. Attackers
2. Payload
3. AttackTargets
4. Attacks
5. Vulnerabilities
6. BroadcastApproaches.