Implementation of Nagios Network Monitoring Tool:

My Final project consists of implementing the Network Monitoring tool *Nagios* which can Spot problems before they occur so that the problems can be know immediately so that it helps in Planning and budget for IT upgrades and helps in reduce downtime and business losses. It also helps in Automatically fix problems when they are detected and coordinates technical team responses and Ensures IT infrastructure outages have a minimal effect on the organization's bottom line. I will configure Nagios to monitor critical IT infrastructure components, including system metrics, network protocols, applications, services, servers, and network infrastructure and send alerts when critical infrastructure components fail and recover, providing administrators with notice of important events. Alerts can be delivered via email, SMS, or custom script. These alerts will be acknowledge alerts and begin resolving outages and investigating security alerts immediately. Alerts can also be escalated to different groups if alerts are not acknowledged in a timely manner. Periodical reports are provide that consists of historical record of outages, events, notifications, and alert response for later review. We can also Schedule downtime that prevents alerts during scheduled maintenance and upgrade windows. Trending and capacity planning graphs and reports can also be generated which allows us to identify necessary infrastructure upgrades before failures occur.