Aim

- Developing a software-based IP PBX that replaces traditional proprietary hardware PBX. The software is based on SIP standard and is independent of operating system.

Main Tasks

- Reviewing literature on VoIP.
- Studying VoIP protocols (RTP, RTCP, SIP).
- Advanced study on SIP, RTP, and RTCP.
- Studying some SIP libraries in Java.
- Studying of how to let VoIP goes through NAT/Firewall.