

### Details of Project:

Title:	Research on Open Source IP PBX Systems
Objective:	The aim of this project is to carry out an in-depth study on the various Open Source IP PBX Systems available in the market focusing on the architectural differences between the systems. The intern will be required to understand the strength and weaknesses of the various implementations and propose a possible architecture for a future IP PBX System. Equipment will be provided for the intern working on this project to set-up the various solutions in the lab so as to have a better understanding on the workings of the various systems.
Background:	<p>IP PBX systems support efficient voice communications that improve the circuit end to end connection, by sending conversations as packets over the Internet. Open Source IP PBX systems have been gaining wide acceptance from companies and organisations all over the world and many telecommunications magazines have even called such systems the future of telephony. Each open source IP PBX solutions has their own strength and weaknesses and there are no solutions that offers the “best of all” at present.</p> <p>The intern will be provided with an opportunity to work with experienced engineers in the area of telecommunications and data networking. Opportunity will also be provided for the intern to work on sophisticated telecommunication and networking equipment during his/her attachment.</p>
Skills Required:	(a) Strong interest in Internet technology and applications (b) Experienced in using Linux OS (c) Keen to work on telecommunication/networking devices (d) Self-motivated and willing to work independently
Faculty (major):	Electrical or Computer Engineering
Duration	6 months
Individual/Team Project	Individual