

COMPUTER CENTRE



Lecture Hall

MAJOR INFRASTRUCTURE AVAILABLE

- Operating System: Windows/Linux/Solaris
- Mail Servers: Sendmail/Q-mail/MS_Exchange
- RDBMS: Oracle/MSSQL/Postgre-SQL
- Proxy: Squid/iplanet
- System: LDAP/DHCP/DNS/WIND/Samba
- Network – Firewall/NFS/NIS/PPP dial in/SSL/SSH
- Web Server: Apache/IIS
- 20 user capacity lecture hall
- 20 workstations for training programs
- Fast Ethernet capabilities across 500 desktops
- 1024 kbps leased line

CONTACT PERSON (Technical)

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COMPUTER CENTRE

Indian Institute of Chemical Technology
Tarnaka, Uppal Road, Hyderabad 500 007, INDIA



Main Server Room

VISION AND GOALS

- To carryout research in frontier areas of computer, mathematical & statistical sciences and also to develop efficient computer software for chemical, biological and environmental sciences
- To provide/develop secured network systems, relational database modeling. Design of campus wide LAN/WAN solutions and one-box internet/intranet solutions
- To conduct training programmes and workshop programmes on network security and Protocols, statistical and mathematical modeling

CORE COMPETENCIES AND ACTIVITIES

- Computer-aided studies
- Software development
- Inter-disciplinary collaboration with other IICT departments
- Information Network Systems (INS)
- Education & Training (HRD)
- Recognized Centre by Osmania University to carry out Ph.D. programmes in Mathematics, Statistics and Computer sciences
- Fuzzy computing



Software Development

- Neuro computing
- Evolutionary computing and Global Optimization Meta-heuristics
- Reliability, optimization and analysis, Fault Tree Analysis, Quantitative Assessment and Risk Contouring
- Expert Systems
- Multivariate Statistical Modeling
- Electronic data processing and Survey data analysis
- Data Mining
- Purchase Order system and Project Information System (PRINSYS) for CSIR laboratories
- Data base system for accident data of trucks carrying hazardous chemicals on national highways NH5 & NH9
- Lethal dosage evaluation by probit and logit models
- One-box internet/intranet solution for small/middle/large corporate sectors, research sector, educational institutions and hospitals
- Bioinformatics



Training Hall

CURRENT RESEARCH AREAS

- Chemo metrics
- Biostatistics
- ANN and Fuzzy computing
- Global optimization
- Multivariate statistical modeling

MAJOR CLIENTS

- Praga Tools, Hyderabad
- NIN, Hyderabad
- Midhani, Hyderabad
- CLRI, Chennai
- AVS, Kotakkal, Kerala
- Osmania University, Hyderabad
- Ministry of Environment and Forests