

Access Stations and other Services at SERC

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Overview

- **Platforms and Floors**
- **Access Stations**
- **Wireless Facility**
- **Software**
- **printing and plotting**

Platforms and Floors

- **Microsoft Windows 2000**
- **Linux**
- **I, II and III Floor**
- **I Floor Windows/Linux**
- **II and III Floors Linux only**

Windows 2000 Professional



- IBM Pentium 4

HARDWARE DETAILS

IBM

- **PROCESSOR: INTEL PENTIUM 4**
- **SPEED : 1.7 GHz**
- **15 INCH COLOR MONITOR**
- **RESOLUTION : 1280X1024**
- **MAIN MEMORY : 512MB**
- **HARD DISK : 40 GB**

ACCESS POLICY

- All IISc students/faculty can access these systems with
- Login id "guest"
- Password "guest"
- In case of any difficulty, please contact our Sys.Admin in Room No.109 or email to helpdesk@serc.iisc.ernet.in

Software Installed

- Office 2000
- Visual Studio (VB,VC++,Foxpro etc)
- Java development suite
- Acrobat reader
- FLAC for Civil Engineers

Accessing files from remote system

- Users can access files from a remote machine (Only windows system) through network neighborhood icon on desktop of windows system
- All windows systems are visible through network neighborhood. (SNT1..SNT14)
- Entire Network -> pcf ->

Your files

- User are requested to store the files in E: and F:
- Users are requested to take backup their files regularly.
- **SERC is not responsible for these files**



Linux Computing Facilities

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II and III Floor machines

- **Configuration of Second and Third floor machines**
 - **Pentium IV 2.4 Ghz**
 - **L2 Cache : 512 kb ECC Cache**
 - **Memory : 512 MB DDR SDRAM (ECC)**
 - **Graphics Controller : Nvidia Quadro4 580XGL Adapter 64 MB DDR**
 - **Hard Disk : Single 36 GB HDD (10k rpm)**
 - **Red Hat Linux 9.0 Professional**
 - **21" Colour Monitor/Trinitron**

COMPILERS

- **The GNU c compiler and support files**
- **A fortran-77 to C translator**
- **GNU fortran compiler**
- **C/C++ interpreter**
- **GNU C++ compiler**
- **Java Developers Kit**

CAD

Autocad look-alike graphic program

CADstone demo is a universal CAD system

GRAPHICS/MULTIMEDIA

3D animation and rendering software

Electric Eyes a generic image viewer

Open Source Open GL library

Image/film viewer

MP3 player for terminals

MPEG Player

Multi Resolution Morphing with GUI

3D animation

ACCESS POLICY

- These machines are configured for **COMMON POOL**.
- Hence, All users can access these machines from their
SERC Account
- In case of any difficulty contact our Sys. Admin in
room
No 109 or email to the following
helpdesk@serc.iisc.ernet.in

Remote access

- Users can access these systems from outside SERC though “ssh” by using machine name or IP address.
- Machine names and IP address are available on the systems.
- Ex:
machine name : sec-lab1.serc.iisc.ernet.in

Usage/Policy

- Open to all@iisc
- Special individual/group requests can be handled
- Staff children use the systems between 5 pm -7pm
- All systems will be cleaned up once every 15 days.

Campus Wide Wireless

- A basic WLAN configuration consists of
- Wireless Access Point (WAP),
- Mobile Device (e.g. laptops, Table PCs, Personal Digital Assistants - PDAs, etc.)
- Wireless Network Interface Cards (NIC).

Wireless cont..

- WLAN has been deployed in all the departments at IISc.
- To get accounts for WLAN Access please visit SERC website and download the form and submit in Room No.103 at SERC

HYPERCHEM SOFTWARE SUITE

- 3D is a molecular modeling product for molecular graphics on the Windows. Handles protein and biomolecular structures. Automatically extracts secondary structure information from Protein Data Bank files and renders proteins with a variety of new OpenGL renderings.
- HyperChem version 7.5 has been installed on windows machines at SERC(I Floor).
- Licence Server is sunayana.serc.iisc.ernet.in in Room 109
- Any computer on the campus can act as a client. 25 clients can connect to this license server at a time.

The availability of licenses can be checked using lsmon and lswhere in the admin subdirectory of Hyperchem installation

Contact: Ms.Rani (109) or Mrs. Nalini Sreeshylan (217)

Aspen Engineering Suite

An Exceptional Ability to Transform Process Modeling Expertise into Model-Based Decision Support Technology

It applies process engineering know-how to modeling the manufacturing and supply chain processes that characterize the process industries.

Aspen Engineering Suite (AES) has 50 licenses.

Modules available:

Aspen Custom Modeller

Aspen Dynamics

Aspen Icarus Process Evaluator

Aspen Plus

Batch Plus

The CDs for installation in your departments are available at SERC in Room No.103. For installation instructions go to SERC homepage (Software).

Contact: Ms Rani(109) or Ms. Nalini Sreeshylan (217)).

**For technical details of modules please contact :
Prof. Jayant Modak (Chem.Engg.)**

Symantec Norton Antivirus

★ Symantec Client Security 10.0 is the version installed at SERC.

★ centralized management console, the Symantec System Center, running on an Windows 2003 server to manage security on your network-connected computers and remotely deploy Symantec Client Security software .

★ Computers that are not connected to the network can also be protected with Symantec Client Security. They will work as standalones and will connect to Symantec site for updating .

Contact: Ms Rani (109) or Mrs. Nalini Sreeshylan (217).

Firewall:

- The firewall software, stop any intruders to access your PC for example: HACKING.
- Prevents malicious programs from sending data from your system

LabView 7.1

- NI LabVIEW is the graphical development environment for creating flexible and scalable test, measurement, and control applications rapidly.
- With LabVIEW, engineers and scientists interface with real-world signals, analyze data for meaningful information, and share results and applications.
- Regardless of experience, LabVIEW makes development fast and easy for all users.

SERC Printer Services

Black and White

HP 8100 DN Model with 1200 dpi resolution.

Printing is done in the printing bay area of the CPU Room (ground floor). Quota holders can print round the clock.

Users with computational accounts at SERC, can buy print quota a priori (minimum of 10 pages). The quota gets reduced automatically after each print job.

User's without computational accounts at SERC, can meet the operator on duty (CPU room - ground floor, SERC) and get their printing done after paying the charges (9 am to 5:30 pm only).

SERC Printer Services

Colour Prints

- HP Deskjet Printer 1120c (600 DPI)
- Tektronix Phaser 350 (A4 only)
- Xerox 6200N laser colour printers (A4 size only)
- HP Design Jet 500PS Printer (A0 size, poster presentation)

Scanner Services

Two scanners are provided in the CPU room at SERC. Users can avail this facility all the 24 hours.

1. UMAX

- 9600 DPI
- A4 to A3 size
- Colour photos, drawings, transperancies, slides, photo negatives can be scanned.

2. HP - 1200