

DEPARTMENT OF CHEMICAL ENGINEERING  
University of Engineering & Technology, Lahore

# Computer Lab

# Introduction

Use of computers has revolutionized the fields of science and engineering, especially research and development, and their importance in professional education cannot be overemphasized. In order to keep pace with the changing trends in the modern world as well as in the local industry, engineering students must be well-trained for effective and efficient use of computers for simple as well as complex tasks. Keeping in view these requirements, a computer lab has been established in the department.

The computer lab is shared between Department of Chemical Engineering and Department of Polymer and Process Engineering, and has been recently modernized with the inclusion of latest computing facilities. The computer lab and other computers in the department are networked through LAN and provide quick access to internet from anywhere in the department.

Students are taught the basic use of computers and programming in their first year, and their applications in chemical engineering problems in later years. In addition, they are encouraged to come to computer lab for their assignments and presentations in all other courses and make use of the information available on the internet. For the final year design project, each group of students is required to present a simulation of their process and mechanical design of at least on equipment in their final defense presentation.

## List of Facilities

1. P-IV Computers
2. P-III Computers
3. Proxy Server
4. Data/Storage Server
5. Multimedia
6. Overhead Projectors

In addition, the software used in computer lab include:

1. Microsoft Windows 2000/XP
2. Microsoft Office XP/2003/2007
3. MATLAB®
4. Aspen HYSYS®
5. AutoCAD®