

## Title of Lab: Logic Design Lab

# Students: 24

No. Of Pieces	Equipment
24	Spartan Family FPGA (Series S10PC84)
24	PC with the FPGA board software installed
6	Oscilloscope
24	Digital Trainer Board
6	Function Generator
6	Multimeter

## Title of Lab: Digital Systems Design Lab

# Students: 24

No. Of Pieces	Equipment
12	PC-Interface Kit
1	Frequency Counter
6	Oscilloscope
1	IC Tester
8	KEPCO Power Supply
1	Soldering Station, Voltage Regulator, Function Generator
6	Logic Analyzer

## Title of Lab: Microprocessor & Interfacing Lab

# Students: 24

No. Of Pieces	Equipment
10	Circuit Design Test Systems
10	Oscilloscope
4	Sweep function Generator
4	Triple O/P Power Supply
1	High Speed data POD
7	Logic Analyzer (Series LA3200)

**Title of Lab: Senior Design Project Lab**

No. Of Pieces	Equipment
2	Oscilloscope (TDS Family)
3	Logic Analyzer
4	Digital Design Board
12	Multimeters
2	Function Generator
2	Digital Counter

**Title of Lab: Assembly Language Programming Lab**

**Title of Lab: Database Lab**

2 Server Machines

**Title of Lab: Networking Lab & Data Communication Lab**

Server (1) [Domain controller & FTP server]

Mount racks for routers & switches (5)

Spectrum Analyzer

Network Analyzer

Traffic Sniffers (Software tools)

Traffic Generators (Software tools)

Routers

IEEE 802.11 g/b WiFi Cards

IEEE 802.11 g/b Wireless Access Point

Serial Cables (10)

Console Cables (5)

Null modem cables (10)

List of Equipment to Procure...

<b>No. Of Pieces</b>	<b>Equipment</b>
<b>10</b>	<b>Circuit Design Test Systems</b>
<b>10</b>	<b>Oscilloscope</b>
<b>4</b>	<b>Sweep function Generator</b>
<b>4</b>	<b>Triple O/P Power Supply</b>
<b>1</b>	<b>High Speed data POD</b>
<b>7</b>	<b>Logic Analyzer (Series LA3200)</b>
<b>24</b>	<b>Spartan Family FPGA (Series S10PC84)</b>
<b>24</b>	<b>PC with the FPGA board software installed</b>
<b>24</b>	<b>Digital Trainer Board</b>
<b>6</b>	<b>Function Generator</b>
<b>12</b>	<b>Multimeter</b>
<b>1</b>	<b>Voltage Regulator</b>
<b>12</b>	<b>PC-Interface Kit</b>
<b>1</b>	<b>Frequency Counter</b>
<b>1</b>	<b>IC Tester</b>
<b>8</b>	<b>KEPCO Power Supply</b>
<b>1</b>	<b>Soldering Station</b>
<b>2</b>	<b>Digital Counter</b>
<b>2</b>	<b>Server Machines</b>
<b>1</b>	<b>Server (Domain Controller and FTP)</b>
<b>5</b>	<b>Mount racks for routers &amp; switches</b>
<b>2</b>	<b>Spectrum Analyzer</b>
<b>2</b>	<b>Network Analyzer</b>
<b>1</b>	<b>Traffic Sniffer (Software tool)</b>
<b>1</b>	<b>Traffic Generators (Software tools)</b>
<b>1</b>	<b>Routers</b>
<b>5</b>	<b>IEEE 802.11 g/b WiFi Cards</b>
<b>2</b>	<b>IEEE 802.11 g/b Wireless Access Point</b>
<b>10</b>	<b>Serial Cables</b>
<b>5</b>	<b>Console Cables</b>
<b>10</b>	<b>Null modem cables</b>