

Laboratories

CL-1: Inventory/Facility

1. Total Number of Systems: 121
2. Configuration:
 - (a) System: HP COMPAQ P IV {1 SYSTEM}
Processor: 3.00 GHZ/915 CHIPSET
RAM: 1 GB
HDD : 80GB
Monitor: Color, 15", K/B, MOUSE
OS: WINDOW XP,Linux
ETHERNET: 10/100/BASE
 - (b) System: LENOVO DUAL CORE {120 SYSTEM}
Machine Type- 8985, Model No. – B85
Processor: 1.8 GHz PROCESSOR
RAM: 1.00 GB
HDD: 120GB, DVD ROM, MOUSE, KEYBOARD
Monitor: Color, 15" (Flat Screen)
OS: WINDOW XP Professional, Linux
EATHERNET : 1000/BASE
3. Total number of systems connected by LAN: 121
4. Total number of systems connected by WAN: 121
5. Internet bandwidth: 1 GB
6. Major software packages available
 - (a) Open Office 4.0.1
 - (b) TC++
 - (c) Adobe Reader 11
 - (d) JDK 1.6.2 (including JRE)
 - (g) Symantec Antivirus 12
 - (h)Partition magic_2014
 - (i)Flashplayer_12_plugin_Firefox
 - (j)Symantec 12.1.4013.4013
 - (k)Mozilla FireFox
 - (l)Fedora 13
7. FOUR CISCO SWITCH and SWITCH PANEL
8. USB DVD Writer HP

CL2: Inventory/Facility

1. Total Number of Systems:121
Configuration:
 - (a) System: LENOVO DUAL CORE {120 SYSTEM}
Processor: INTEL I3 530 (2.93 GHz)
RAM: 2.00 GB
HDD: 250GB, DVD Writer, MOUSE, KEYBOARD
Monitor: Color, 18.5" TFT

OS: WINDOW 7 Pro, Linux

ETHERNET: 10/100/1000 BASE

(b) System: HP Compaq P IV {1 SYSTEM}

Pentium-IV 3.00 Ghz/915 Chipset, 1.5GB MB DDR RAM, 80 GB HDD,

CDROM, 1.44FDD, 100 MBPS NIC integrated Audio

with internal speaker, Mouse, 15''Color Monitor and

K/B

2. Total number of systems connected by LAN 121
3. Total number of systems connected by WAN 121
4. Internet bandwidth 8Mbps
5. Major software packages available:
 - (a) Open Office 4.01
 - (b) Netbeans
 - (c) JDK 1.6 (Including JRE)
 - (d) Adobe Reader
 - (g) Symantec Antivirus
 - (h) KIEL
 - (I) MASM
 - (j) Xampp 1.7
 - (j) NS2
 - (k) Weka 3.6
 - (l) Rapid Miner
 - (m) Android linux based
- 6 CISCO and 3COM SWITCH 3 + 1
7. SWITCH PANEL 1
8. KEIL PK51- ED10 (Software-C51 Professional Developer's Kit10-User Classroom License)

Software CS1 Profess Developers Kit

Micro controllers MCBX and its interfacing with logical controller, Seven Segment, 4X4 keypad matrix and traffic controllers.

WRAP CAMARA

Micro Controller Component And Other Component List

To develop Microcontroller based project we provide Arduino Duemilanove development board (with 8-bit ATmega168) with various sensors, actuator and communication devices

like:

- Audio (Piezo Vibration, tone generation and voice synthesis),
 - Visual (LED, Camera and LCD),
 - Touch (Capacitive Sensing, Resistive Sensing) ,
 - Environmental sensing (Humidity, Temperature, Gas sensors),
 - Light Sensors (IR and LDR),
 - Location (GPS),
 - Motion (3 Axis Accelero Meter) ,
 - RFID tag reading,
 - Actuators like motors (Full rotation and Half rotation servo motors)
- and
- Communication (Bluetooth, Ethernet, Serial, Wi-Fi and Wireless using Zigbee).

CL4: Inventory/Facility

1. Number of Systems: 47
2. Configuration:
 - (a) System: : Lenovo ThinkCenter M90 (5474RS7)
 - (b) Processor: Intel Core i3 530 @ 2.93GHz
 - (c) RAM: 4GB DDR3-SDRAM
 - (d) HDD: 250 GB SATA
 - (e) Monitor: LCD Widescreen 18.5" Lenovo D186wA (res.1366x768)
 - (f) DVD Writer
 - (g) STANDARD KEYBOARD & OPTICAL MOUSE
 - (h) Operating Systems: Microsoft Windows 7, Linux
3. Total number of systems connected by LAN: 47
4. Total number of systems connected by WAN: 47
5. Internet bandwidth: 10 Mbps
6. KEIL Development Tools (ESA MCB x51, ESA MCB 2100 & KEIL Software): 4
7. EMOTIVE EPOC EEG Neuro Headset with Education Edition SDK kit: 3
8. Major software packages available:
 - (a) Open Office 4
 - (b) Mathematica 5.2
 - (c) JDK 8
 - (d) TC++
 - (e) Adobe Acrobat Reader
 - (f) Symantec Endpoint Protection 12
 - (g) NetBeans
 - (h) NS2
 - (i) Oracle SAP
 - (j) Python
 - (k) Symbian s60 Emulator
 - (l) Linux OS

MML:Inventory/Facility

1. Number of Systems: 120
2. Number of system 113 with following Configuration:
 - (a) System: H.P Core 2 Duo
 - (b) Processor: 2.40 GHz (2CPU)
 - (c) RAM: 1GB
 - (d) HDD : 160 GB
 - (e) Monitor: Color, 17''
 - (f) OS: Windows XP, Linux
3. Number of system 6 with following Configuration:
 - (a) System: Hp Compaq PIV
 - (b) Processor: PIV 3.00 GHz
 - (c) RAM: 512 MB
 - (d) HDD : 80 GB
 - (e) Monitor: Color, 17''
 - (f) OS: Windows XP, Linux
4. Number of system 1 with following configuration :
 - (a) System: Hp Compaq PIV

- (b) Processor: PIV 3.0 GHz
 - (c) RAM: 512 MB
 - (d) HDD : 80 GB
 - (e) Monitor: Color, 17’’
 - (f) OS: Windows XP..
5. Total number of systems connected by LAN: 120
 6. Total number of systems connected by WAN: 120
 7. Internet bandwidth: 3 Mbps
 8. Major software packages available(PACKAGE-VERSIONLICENSE No.)
 - (a) Adobe PhotoshopCS5-65
 - (b) Adobe Contribute CS5-65
 - (c) Adobe Illustrator-Cs5-65
 - (d) Adobe Dreamweaver CS5- 65
 - (e) Adobe Firework CS5 -65
 - (f) Adobe Builder CS5-65
 - (g) Adobe Flash Catalyst CS5-65
 - (h) Adobe Flash pro CS5 -65
 - (i) Symantec Endpoint protection
 - (j) Adobe Reader 11
 - (k) Open office 4.0.1
 - (l) Window XP-120
 - (m) Flash Active –x
 - (n) Python
 - (o) S60
 9. CD Writer -1, HP Scanner -1, Digital Pen -3, Logitech Camera -2, projectors- 3, Microsoft Kinect –5, Joystick -2