SIGMA

INTERNET TRAINER

MODEL - INET100

This trainer has been designed with a view to provide theoretical and practical knowledge of Hardware and software technology of INTERNET 100 Hands-on experiments.

SPECIFICATIONS

(A) Computer System

1.	CPU with fan	:	Intel Pentium IV 1.5 GHz
2.	Mother Board	:	200 MHZ FSB
3.	Memory (RAM)	:	128 MB SDRAM
4.	Display Adaptor card	:	On Board AGP 8 MB
5.	Hard Disk	:	40 GB ATA
6.	Floppy Disk Drive	:	1.44 MB
7.	Monitor	:	15" Colour SVGA
8.	Key board	:	104 Keys Keyboard
9.	Mouse	:	Logitech 1st Mouse with pad
10.	SMPS	:	200 Watts AT
11.	CDROM Drive	:	52X
12.	Sound card	:	On Board 32 Bit PCI
13.	Speakers & Mike	:	Stereo Speakers 100 Watts - Microtek

(B) Hardware

1.	Modem 56 Kbps	:	1 No.

(C) Training Packages

Connection	:	500 Hrs (One Year)
ISP	:	Satyam online / VSNL/ Mantra online
WEB Browser	:	Internet Explorer 5.0, Netscape Communicator 5
Information Searching	:	Search engines- Yahoo, Lyco, Info seek

In keeping view of SIGMA policy of continuous development and improvement, the Specifications may be changed without prior notice or obligation.

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Dealer:-

E-Mail	:	Outlook Express 5.0
File Transfer	:	FTP
File Download	:	Get right 4
Download accelerating	:	Netsonic
Remote Control	:	PCanywhere 7.0, Telnet
Fax	:	Internet Fax
Pager	:	Internet Pager
Games	:	Online games
Audio playing	:	Real Audio player, True Speech, VOXware
Video playing	:	VDO live, Xing Stream works,
Meeting	:	Net meeting,
Chatting	:	IRC, ICQ99
Massaging	:	Msn messenger, Yahoo messenger
Phone	:	DialPad, Mediaring, Internet Phone 4, Web talk Web phone, Net phone, Cool talk
Video Conferencing	:	CU-SeeMe, Free Vue, Vid Call
Groups Discussion	:	News Group - Usenet, Mailing Lists
Remote Access	:	RAS
Banking /Shopping/Teaching /Education/Booking Web sites		
Virtual Reality (VRML)	:	3D Browser - Web space, WebFx
Website Servicing	:	Web servers

EXPERIMENTS

1. How the Internet runs
2. How Information travels across the Internet
3. Linking networks to the Internet
4. How TCP/IP works
5. How Web connections work
6. How Internet addresses & Domain Name System (DNS) works
7. How DNS servers work
8. How Routers work
9. How Internet's client/server architecture works
10. To Install ISP Software for Internet Connection
11. To Install Modem, Configure Internet Account and Login Internet
12. How the World-Wide-Web (WWW) works
13. How Web pages are organized on a Web Site
14. How Web Sites works
15. How a Web Browser works
16. To use Internet Explorer and study its Commands and facilities
17. How Netscape Communicator works
18. To understand Tips for speed up browsing
19. To understand different protocols like HTTP & FTP
20. To Download and Upload files
21. How file compression works
22. How Internet search Engines work
23. How Meta-search software works
24. To use major Search engines Like Yahoo, Info seek, AltaVista etc.
25. How e-mail works
26. Anatomy of a Mail message
27. How E-mail is delivered over the Internet
28. Understand different E-Mail Softwares
29. How E-Mail software works
30. How a Mailing List works

31. How E-Mail is sent between networks
32. How White page directories (LDAP) works
33. E-mail Spam & Blocking
34. To search Peoples on Internet
35. To send and receive E-Mails
36. To Understand and use Usenet News groups
37. To understand and Perform TELNET
38. To understand & perform Internet Relay Chat (IRC) and ICQ
39. How instant massaging works
40. To understand Internet Telephony and make phone calls using   Internet
41. To understand and perform Internet FAX using PC and the Internet
42. To understand and Perform GOPHERS
43. To understand and perform RealAudio Streaming Audio
44. To understand and perform Real Player & Shockwave
45. How Streaming Video works
46. How Video conferencing works
47. How Multicast IP broadcasts travel along the MB one
48. To understand How Virtual Reality works on the Internet
49. How Animation works on the Web
50. How HTML & Dynamic HTML works
51. To understand Hyperlinks & Hypertext
52. The structure of a Web Uniform Source Locator (URL)
53. How URLs help retrieve Web documents
54. How Imagemaps works
55. How Interactive Forms works
56. How Web server software works
57. How Web Sites work with databases
58. To understand and Learn WebPages designing software
59. To understand Internet programming Softwares
60. How JAVA works
61. How ActiveX works
62. How JavaScript works
63. How Agents works
64. How CGI Scripting works
65. To understand E-Commerce (Shopping on Internet)
66. How financial transactions work on the Internet
67. How Electronic cash and Credit card Encryption work
68. How Anonymous payment works
69. To understand and perform Safeguarding methods
70. How firewalls work
71. How proxy Servers work
72. How Hackers attack ISPs with "Smurf Attacks"
73. How Viruses infect Computers
74. How Cookies works
75. How passports works
76. How Web tracking works
77. How Cryptosystems works
78. How digital certificates ensures Internet Security
79. How Parental controls work
80. ISDN connection
81. Internet/TV connection
82. Cable Modem connection
83. WEB TV connection
84. Network Computer connection
85. Digital subscriber Line (DSL) connection
86. Asynchronous Digital subscriber Line (ADSL) connection
87. To understand Push Technology
88. How Internet Explorer's Web casting works
89. How Netscape's Net casting works
90. How PointCast works