



Computer Based Training (CBT)

Train for Tomorrow TODAY

Our aviation training CBT courseware is developed using visual rich-media authoring tools for creating Web-based, locally networked, and stand-alone learning applications.

Engaging learning content

Our approach is to maximize learning with highly interactive, media-rich courseware. We use hyperlinking, hypertext, text search and retrieval, and various interactions.

Web authoring and delivery

Advanced compression and streaming deliver the most interactive learning experiences available today. It allows extending rich-media courseware to users with dial-in (28.8K) connections.

Learning Management, Tracking and Reporting

Learning Management System (LMS) automatically captures student progress and performance, and it can be seamlessly integrated with Enterprise Learning System. Our CBT in conjunction with LMS can also provides built-in data tracking. It automatically captures and provides access to student information. A full set of AICC-compliant function and variables allow customized tracking of student information to industry-standard learning management systems.

Flexible delivery

A single development effort can be leveraged across CD-ROM/DVD, corporate networks, intranets, and the Web. Our CBT retains functionality and fidelity across all delivery platforms.



Media file formats

A wide variety of video, audio, graphics, and text formats can be readily included in the courseware.

System Requirement

Intel Pentium III processor (at least 500 MHz)
Windows 98/ Windows NT 4 or later / Windows 2000 / Windows XP
128+ MB RAM
CD-ROM drive
640 x 480, 256-color display (higher resolution and color depth recommended)
40 MB of free hard disk space
Sound Blaster-compatible sound card
AVI and QuickTime for Windows support

Avitek Engineering Corporation

G-5083 Miller Road, Flint, MI 48507, USA.
Web: www.avitekcorporation.com

Tel. 810-230-8096 Fax. 810-230-8017
Email: sales@avitekcorporation.com



CBT COURSEWARE TOPICS LIST

Avitek develops Computer-based Training (CBT) Courseware to cover a wide range of topics for trainee pilots, trainee aircraft maintenance engineers / mechanics, and industrial maintenance technicians. Following are the subjects covered in our interactive, multimedia CBT.

Electrical / Electronics Technology	Flight Training	Aviation Maintenance Training	Industrial Instrumentation	Instructor Development
<ul style="list-style-type: none"> -Circuit Theory -DC Circuits -AC Circuits -Semiconductors -Power Supplies -Amplifiers -Oscillators -Digital Theory -Digital Logic -Digital Circuits -Flip Flops -Multiplexer -A-D and D-A Conversion -Digital Memory -CPUs and Input/Output -Radio Technology -Modulation / Demodulation -AM Transmission / Reception -FM Transmission / Reception -TV Essentials -TV Circuits -TV Maintenance & Repair -VCR Maintenance & Repair -Fiber Optics -Laser Technology -Telecommunications -Radar Systems -Radio and Wireless Communication 	<ul style="list-style-type: none"> -Principles of Flight -Aerodynamics -Aircraft Performance -Helicopter Aerodynamics -Metrology -Aviation Physiology -Navigation -Aircraft Systems -Avionics -Aero-engines -Flight Instruments -Flight Environment 	<ul style="list-style-type: none"> -Basic Aerodynamics -High Speed Aerodynamics -Aircraft Structure -Fundamentals of Rotary Wing Aircraft -Airplane Assembly & Rigging -Aircraft Inspection -Aircraft Painting & Finishing -Aircraft Structural Repair -Aircraft Welding -Ice & Rain Control Systems -Aircraft Hydraulic Systems -Aircraft Pneumatic Systems -Aircraft Landing Gears -Fire Protection System -Aircraft Electrical System -Aircraft Instruments -Communications & Navigation Systems -Aircraft Fuel Systems -Aircraft Cabin & Atmospheric Control Systems 	<ul style="list-style-type: none"> -Relay Logic Control System -Troubleshooting & Maintenance -Programmable Logic Controllers (PLCs) -Troubleshooting & Maintenance -Servo Control System -Hydraulic Systems -Troubleshooting -Robotics 	<ul style="list-style-type: none"> -Instructional System Design -Teaching Techniques

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