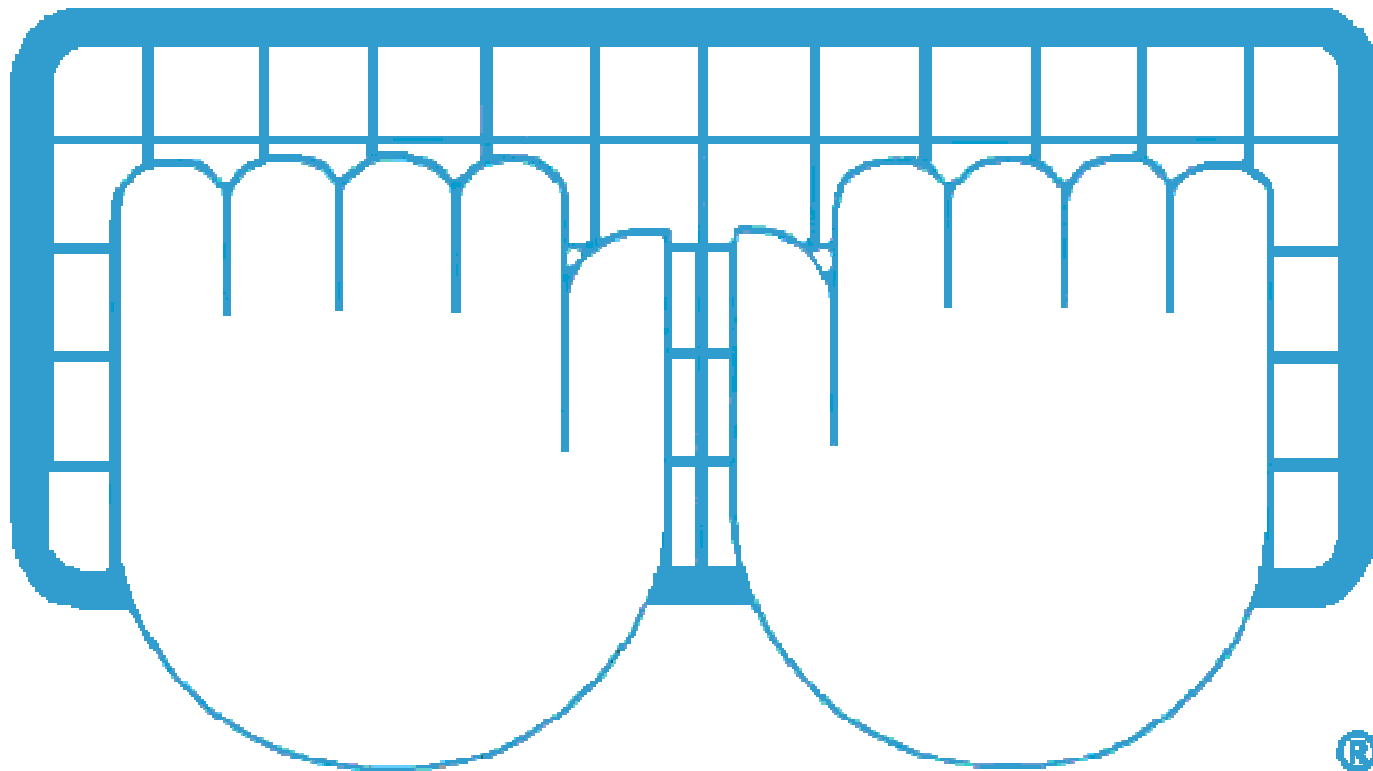


SYS-ED Courseware: Superior by Design



Courseware



- The SYS-ED courseware library spans the onset of modern data processing.
- It has been developed by technologist entrepreneurs, IT consultants, textbook authors, and salaried staff.
- Content is managed by technical editors, who have multidisciplinary skillsets in information technology, publishing in academia, and degrees in computer science, business administration, and management.
- The classic principles of adult learning are applied to the content, interpreting and translating subject matter into performance objectives, narrative descriptions, diagrams which trace the design, program logic, and tailored industry- and client- specific examples.

Courseware for Teaching - 1



- The courseware utilizes a variety of presentation formats - textual, tabular, diagrammatic, bullet point, code snippets - suitable for use in traditional classroom instruction and distance- and e-learning formats.
 - The courseware library has been incrementally augmented, revised, and maintained.
 - It is highly valued in information technology; especially in areas where there is a scarcity of up to date industry standard textbooks.

Courseware for Teaching - 2



- The standard courseware utilized in a SYS-ED course is comprised of:
 - Table of Contents - Summary
 - Copyright Acknowledgement
 - Table of Contents - Detailed
 - Modular Chapters and Lessons
 - Bibliography
 - Exercises
 - Index

- The courseware also can be adjusted to correspond to and integrate with industry standard textbooks.

CETi Knowledge Base: Compilation and Assessment - 1



CETi Computer
Education
Techniques, Inc.



Knowledge Base

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Computer Education Techniques provides a service whereby by our system consultants and technologists answer, explain, and where applicable reference the source documentation. Questions are reviewed and answered on a first-come/first serve basis. This service is provided free of charge. Answers to questions and examples which have been validated as being accurate become part of the CETi knowledge base.

Content in the knowledge base is derived from the aggregation and independent assessment of information and data from:

CETi Technology Partners		
Consultancy Assignments	Prototype Coding	Sample Programs

Documentation in the Public Domain		
Free and Open Source Software Websites	International Standard Organization Websites	Software Company Documentation and Website

Information in the Public Domain		
Articles from Academia	Benchmarks and Third Party Documentation	Best Practices and Guidelines from Periodicals
Correspondence with Technologists	Independent Research	Industry Newsletters
Industry Standard Text Books	Industry Trade Shows	Newspapers and Journals
Podcasts	Software Company Advertisements - Analysis	White Paper - Reviews

SYS-ED Courses and Integrated Training Programs		
FAQs: Frequently Asked Questions	Inconsistencies in On-line Help Software	Unusual Errors in Hands-on Exercises

CETi Knowledge Base: Compilation and Assessment - 2



- Content in the CETi: Computer Education Techniques knowledge base is derived from the compilation and independent assessment of the accuracy of source information and data from:
 - CETi technology partners
 - Documentation in the public domain
 - Information in the public domain
 - SYS-ED courses and integrated training Programs
- Content is selectively added to SYS-ED brand and technology partner courseware and training aids.

Mainframe: Courseware for Teaching - 1



- A cadre of consultants who were involved in first generation coding and debugging of mainframe programming languages - COBOL, Assembler Language, PL/1, FORTRAN, RPG - and implementation of system software - VSAM, IMS, CICS, and DB2 - and taught courses for SYS-ED, have contributed to the CETi courseware development.
 - Design specifications
 - Interpretation of documentation
 - Sample programs
 - Skeleton programs
 - Tailored exercises
 - Instructor notes

Mainframe: Courseware for Teaching - 1



- The courseware incorporates industry standard content and consultancy derived techniques for:
 - configuring and administering IBM operating systems.
 - efficiently using IBM and third party tools and utilities.
 - designing, coding, and debugging applications written in legacy programming languages.
 - installing, tailoring, and optimizing IBM system software.

Mainframe: Courseware for Teaching - 2



- Mainframe courseware can be reviewed at the
 - `"www.computeredtech.com/partners/qc.asp?category=mainframe&cwid=&maincat=&subcat=&course=&lastupdate=&developer=&orderby=COURSE&client=SYSED"`
- Courseware is updated prior to use.

First Generation Experience: Free and Open Source Software



- Industry experts agree that the documentation available for supporting open source software does not provide an equivalent degree of clarity and completeness in relation to its commercial software counterparts.
- CETi courseware and training aids have been designed to address this shortcoming and provide value-added quality.

Courseware for Free and Open Source Software Training - 1



- Principals at SYS-ED and CETi technology partners install and review software distributed under the GPL: General Public License and utilize it to create and update courseware, examples, and exercises.
- The client selects the sample programs, training aids, and exercises for a tailored course from the Computer Education Techniques courseware library.
- Custom courseware and tailored Linux, UNIX, Java, and XML training aids can also developed free of charge.
- At the client discretion, pre and post course validation assessment can be utilized.

Courseware for Free and Open Source Software Training - 2



- SYS-ED courseware and training aids incorporate industry standard content and consultancy derived techniques for:
 - Linux and UNIX-variant configuration, internetworking, and administrative scripting.
 - web server configuration, scripting, and performance optimization.
 - designing, coding, and debugging Java applications and using development tools.
 - mobile device programming on Android smartphones and mobile devices.
 - XML integration with databases, web servers, and Java.

Free and Open Source: Courseware for Teaching



- Freeware and open source software courseware can be reviewed at the following url:
 - `"www.computeredtech.com/partners/qc.asp?category=Open+Source&cwid=&maincat=&subcat=&course=&lastupdate=&developer=&orderby=COURSE&client=SYSED"`
- Courseware is updated prior to use.

Courseware and Training Aids



- Additional courseware can be reviewed at Courseware as Learning Center:
 - www.sysed.com/courseware_for_teaching.asp
 - z/OS JCL
www.computeredtech.com/prg_content/jcl/main.asp
 - PL/1
www.computeredtech.com/prg_content/pl1/main.asp

NRV - Nationally Recognized Vendor



- SYS-ED welcomes the opportunity to apply the standards of the New York State Department of Education - Bureau of Proprietary School Supervision to our courseware and training services and regulate our business operations.
- As part of this strategy, SYS-ED will be submitting legacy programming language and programming skills courseware for recognition as a Nationally Recognized Vendor.

David Shapiro



David Shapiro, 35+ years experience in information technology, has developed and edited courseware in conjunction with the following consultants and technologists.

- Shaku Atre/Atre International Consultants, IMS, IDMS, DB2, and ADABAS.
- Michael Haupt, z/OS JCL.
- Pacifico Lim, CICS, COBOL, DB2, and IBM mainframe systems software.
- Andy Novick, Visual Basic and structured analysis / design.
- Jeri Roberts-Appel, computer applications

David Silverberg



David Silverberg, 40+ years experience in information technology, wrote a highly respected DB2 Systems Performance book as part of the Jay Ranade Series for McGraw-Hill.

- He has a national reputation for developing courseware for utilization in instructor-led, distance-learning, and web-based presentation of information technology subject matter.
- Developed the content for WebSphere MQ courseware and is working with SYS-ED to publish a textbook on the subject matter.
- Has collaborated with David Shapiro in creating, editing, and updating the Computer Education Techniques courseware library.