

**LIS14 403CR LIBRARY AUTOMATION AND NETWORKING (PRACTICE)**  
**(4 Credits)**

**Credit Pattern**

Lecture	Tutorial	Practical	Total
0	0	4	4

**Objective:**

- To educate and train budding professionals in running automated library with state of the art library management software.
- To create, manage, and access e-content useful for knowledge and development by developing interfaces, sensitizing in Web designing, familiarizing searching techniques and emerging web services besides facilitating print and web resource management .

**Unit I**

Practical 1.1: Creating New Projects using Standard EXE.

Practical 1.2: Working with VB Components like Labels, Frames.

Practical 1.3: Radio Buttons, Scrolls, and List Boxes etc.

Practical 1.4: Database connectivity Using ADODB Control.

Practical 1.5: Data Insertion /Retrieval/Updation. (Project)

**Unit II**

Practical 2.1: Library Management Software: Acquisition Module, Catalogue Module.

Practical 2.2: Library Management Software: Circulation Module, OPAC Module and Serial Control Module.

Practical 2.3: Greenstone: Installation and Customization.

Practical 2.4: Greenstone: Collection Building, Metadata induction (project)

Practical 2.5: Greenstone: Plugins, Searching-Indexes, Browsing- classifiers and working with ISIS files.

### **Unit III**

Practical 3.1: Syntax of HTML Document. Create a new HTML document.

Practical 3.2: Formatting of HTML Document. Format text (font size, color, etc.) in HTML presentation. Creating internal and external links.

Practical 3.3: Creating lists using bullets or numbers.

Practical 3.4: Creating Tables and organizing information.

Practical 3.5: Background color and images.

Practical 3.6: Introduction of FrontPage and publisher for web publishing

Practical 3.7: Creation of a website and publishing on free web services (project)

### **Unit IV**

Practical 4.1 Web Searching: Simple and Advanced using various search techniques.

Practical 4.2: Searching tools and their usage: Search Engines, Meta Search Engines, Subject Gateways; etc.

Practical 4.3: Searching Web Resources using Digital Libraries, E-repositories and E-Archives.

Practical 4.4: Introduction to various emerging web services. (Like Blogs, RSS feed, U tube, wikis etc)

Practical 4.5: Creation of Blog and /or Wiki (Project)

### **Suggested Readings**

Bradley, P. (2007). *How to use web 2.0 in your Library*. London: Facet Pub.

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- Li, Ze-Nian., & Drew, Marc S. (2004). *Fundamentals of Multimedia*. NJ: Prentice Hall Pub.
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- Lopuck, L. (2012). *Web design for dummies*. Indianapolis, IN: John Wiley & Sons.
- MacDonald, M. (2011). *Creating a website*. Beijing: O'Reilly.

- McCormick, J. A.(1990).*A guide of optical storage technology: using CD-ROM, WORM, erasable, digital paper, and other high density opto-magnetic storage devices.* Homewood, Ill: Dow Jones-Irwin Professional
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- Mitchell, S. (2009). *Create your own website.* Indianapolis, Ind: Sams.
- Ogunjobi, T. (2013). *Drupal web profiles.* Boca raton, fl: Crc press.
- Osborn, J., Smith, J., AGI Training Team., & AGI Creative Team. (2011). *Web design with HTML and CSS: Digital classroom.* Indianapolis, IN: Wiley Pub. Page, R. (2012). *Website optimization: An hour a day.* Hoboken, NJ: John Wiley & Sons.
- Pence, J.H. (2001). *How to do everything with HTML.* New York: McGraw Hill.
- Perry, R. L. (2000). *Build your own Website.* New York: Franklin Watts.
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- Raatma, L. (2010). *Blogs.* Ann Arbor, Mich: Cherry Lake Pub.
- Richardson, W. (2006). *Blogs, wikis, podcasts, and other powerful web tools for classrooms.* Thousand Oaks, Calif: Corwin Press.
- Sauers, Micheal P., &Adkins, Denice.(2001).*Using the internet as a tool: a how to do it manual for librarians.* New York: Neal-Schuman Pub.
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Zak, D.(2007).*Microsoft Visual Basic 2005: reloaded (2nd ed)* US: Thomson Course Technology.

Zee, N. (2003). *HTML & Web artistry 2: More than code (2nd ed.)*. IndianoPolis, IN: New Riders Pub.

**Websites (Illustrative):**

University of Waikato. (2013). About Greenstone. Available at:

<http://www.greenstone.org/>

University of Waikato. (2013). GreenstoneWiki. Available at:

<http://www.greenstone.org/wiki/index.php/GreenstoneWiki/>