



Six-week certificate course on **Development of Content for eLearning and Learning Management System**

This course introduces various learning methods and use of multimedia in teaching learning process. It addresses to the issues of designing distance learning.

Highlights:

- New open-standards, flexible work-flow (studio) or Project based content development with versioning and content re-use.
- Format neutral storage of content (XML) - enabling content delivery to web, WAP and iTV.
- Content Development in Studio based workflow environment including assigning work content creation and content Quality assurance.
- Seamless integration into dream waver diverse content creation capability-templates / forms / Web Authoring tools, E learning standards, mainly IMS and SCORM.
- Managed learning environment, creating a virtual classroom.
- Archiving and on Demand Video.
- Metadata Management, learning Object library Management.

Topics Covered:

A. Development of Content for eLearning - 2 weeks

This course helps you to build Fast, Affordable and Effective eLearning Solutions and content for Learning Management Systems.

1. Introduction & The Development Process

This part of the course covers -Overview of Computer based Training, Overview of Web-Based Training, and Basics on various technologies used in eLearning Content Development. Our instructors will provide an overview of eLearning content development process. The purpose is to enable the students to build custom E Learning solutions that will meet various learning challenges by following our tried and true, step-by-step process.

2. Needs Analysis

Our Training Advisor will explain your learning options and help you establish an overall strategy with specific objectives and metrics to target your training audience.

3. Custom Content Development

It gives an in-depth understanding of building custom content development using various multimedia Softwares.

4. E-Learning Integration

This part of the course covers the course integration methodologies, various problems one can encounter in doing so etc.



B. Preparation of Multimedia CD - 1 Week

Topics Consist of:

- Introduction to Computer Based Training (CBT) and Web Based Training (WBT)
- Pedagogic and Teaching aspects
- Courseware design
- Design of copybook/script
- Getting an expert professor to deliver
- Video and Audio recording - different types of recording devices etc
- Conversion to Master CD - incorporation of Graphics, line drawings, animations
- Production & Distribution of Multimedia CDs

C. Learning Management System - 2 weeks

LMS enables to easily manage track and access the delivery of custom content. It can be used to assign students the courses monitored by student progress and success to keep a track of student responses etc.

We would also provide an overview of various content and delivery mechanisms such as on Internet, Palm devices etc.

Learning management system will incorporate the following tools for a synchronous training and the support of a coordinator:

1. Email
2. Discussion board
3. Testing and assessment
4. FAQ's and feedback for changes in content
5. Administration of the course.

D. Website Management (Content Management Systems - ASP/PHP) - 1 Week

The aim of this course is to develop the design and practical skills used in generating data driven content management systems. Different modules may focus on the following: Active Server Pages (ASP) or PHP. Students learn the design and development processes and techniques to enable the development of dynamically loaded web content. Considerations include efficiency and asset management and production management.

Course Content:

- Advanced concepts of DreamweaverMX environment including CCS style sheets
- Dynamic web page development using technologies such as JavaScript
- Client vs server scripting and its application
- Set up local server using PWS or IIS or Apache (depending on platform focus of course)
- Create data sources
- Create database connections
- Using the data bindings and server behavior tools
- Creating and using record sets using ANSI standard SQL
- Adding dynamic data content
- Creating search pages
- Installing additional server behaviours
- Creating full content management service

Some courses may involve development of technologies such as XML. The course is delivered through lectures, demonstrations and handouts. Students will be expected to produce a portfolio of work which should include examples of technical exercises using the tools and functions of Adobe Illustrator, evaluative notes, a small scale design project in response to a design brief.