

Specialized Programme on Design, Development & Implementation of e-Learning Courses

A. Name of the Institute	Centre for Development of Advanced Computing, Noida
B. Name/Title of the Course	Specialized Programme on Design, Development & Implementation of e-Learning Courses
C. Course Dates with Duration in Weeks	From October 27th, 2014 to December 19th, 2014 In weeks: 8 Weeks
<p>D. Eligibility Criteria for Participants</p> <ol style="list-style-type: none"> 1. Educational Qualifications 2. Work Experience required, if any 3. Age Limit <i>[note: ITEC norms is 25-45 years]</i> 4. Target Group <i>[Level of participants and target ministries/departments etc. may be indicated]</i> 	<ol style="list-style-type: none"> 1) Two years Technical Course or Graduate in any stream after 12 years of Schooling. 2) ----- 3) ----- 4) Should meet the above educational requirements and should know English language
E. Aims & Objectives of the Course	<p><u>Aim :</u> The aim of the Course is to develop skilled manpower in designing, developing , implementing and deploying of e-Learning programmes</p> <p><u>Objectives:</u></p> <ul style="list-style-type: none"> • Understand about e-Learning and its implementation usages • Learn innovative practices in the design & development of e-Learning • Develop effective and Standard Compliant e-Learning content • Apply theoretical principles for designing e-Learning courses • Choose and apply different deployment models of e-Learning
F. Mode of Evaluation of performance of the participants	Case Studies & Project Work

Objective:

At the end of the course, Students will be able to:

- Understand about e-Learning and its implementation usages
- Learn innovative practices in the design & development of e-Learning
- Develop effective and Standard Compliant e-Learning content
- Apply theoretical principles for designing e-Learning courses
- Choose and apply different deployment models of e-Learning

Course Content

1. Introduction about e-Learning

- e -Learning :Benefits & Uses
- Stages of e-Learning
- Tools and technologies of e-Learning
- Architecture of e-Learning
- Technologies & infrastructure in e-Learning

2. Instructional Design for e-Learning

- Concept Mapping
- Learning Objectives
- ID theory & models
- Learning with media

3. Content Development in e-Learning

- Stages of Content Development
- Development of right e-Learning content
- Content authoring & publishing
- Content development standards & models
- Developing standard compliant e-Learning content

4. Learning Management System : the e-Learning solution

- Basics of LMS
- Features & Requirements of LMS
- Development & Customization of open source LMS
- Development & Customization of closed source LMS
- Choosing open source vs closed source LMS
- Handson on Moodle LMS

5. Designing & Facilitation of e-Learning Courses

- Development of e-Learning courses through Four Quadrant Structure (FQM)
- Design of Multimedia based e-Learning components (Flash, Photoshop etc.)
- Design of online assessments & activities (quiz tools)
- Design & Development of interactive components of e-Learning

6. Hosting & Deploying e-Learning Courses

- Architecture of e-Learning deployment
- Creation & implementation of e-Learning web portal
- Modes of deployment :
- Online mode
- Virtual Classroom mode
- Blended mode

7. Advanced e-learning Technologies

- Virtual Classroom
- Tools & Technologies for Virtual Classroom
- Flip Classrooms

8. Project Work