Workshop on Development of Online Courses using OERs and Moodle LMS

21-23 November, 2017

Organized by

Uttarakhand Open University, Haldwani

With the support of

Commonwealth Educational Media Centre for Asia, New Delhi

Executive Summary

Teaching and Learning has changed in the 21st century. The British Open University and other Traditional Universities have developed online distance courses. Private institutions are also offering online courses. Students’ world over in the coming years will be using the e-learning tools more than the printed textual material and India is not far behind. The worldwide e-learning industry is estimated to be worth over $48 billion.

Open Universities in the last more than 20 years have moved from print material to web based courses for delivery of instruction. With the emergence of new technologies, the universities have to move fast and keep the pace with the rest of the world.

Online Learning is mainly the transfer of skills and knowledge through computer. The content is delivered via Internet or audio/video or satellite or CDROM.

Keeping this new technological development in view, the teachers should be prepared to meet the challenges of the future. In this connection, UOU in collaboration with CEMCA is organizing three day workshop on how to create /develop online courses.

Objectives

The training objectives of this three day workshop are to:

- Orient the Teachers towards Open Educational Resources
- Explain and Describe the Instructional Design for Online Courses.
- Highlight some of the tools used to create online courses
- Understand the Learning Management System
- Publish the Resources for an Online Course
- Create an Online Course using Moodle.
Participants
The training-workshop was attended by 20 participants and the first session on OER was attended by 38 faculty members due to interest in OERs. The participants were four different institutions viz. Uttarakhand Open University- Haldwani, Birla Institute of Applied Science- Bhimtal, Amrapali Institute of Management & Computer Applications- Haldwani and Uttarakhand Science Education and Research Center- Dehradun. The list of participants is attached at Appendix I.

Workshop Structure
The workshop comprised of eleven intensive and hands-on sessions which includes face-to-face delivery and online engagement. The workshop page for training on University’s Moodle platform was created at moodle.uou.ac.in.

Figure 1: UOU e-learn page

The participants were divided into groups and they jointly developed the following e-learning courses.

1. Office Management
2. Object Oriented Programming
3. Introduction to Computer Networking
4. Psychological bases of Education
5. Theory of Public Administration
6. Organic Chemistry
7. Digital Electronics
8. Introduction to E-learning
9. Compulsory course on Environmental Science
10. Certificate in Web Designing and Development
11. Advance Java Programming

Session wise details of the workshop are as follows:
Day 1

- **Inaugural session:** The workshop started at 10:30 am. Dr. Jeetendra Pande, the coordinator of the workshop opened the workshop with a brief introduction on the objectives and expectations. Professor Durgesh Pant, Director-School of Computer Science & IT delivered the welcome address over Skype. Dr. G. Mythili, Deputy Director- STRIDE, IGNOU highlighted the importance of online learning. Prof. Nageshwar Rao, Vice Chancellor addressed the participants over Skype and encouraged the participants to use Open Educational Resources and LMS for blended learning. The session ended with the vote of thanks delivered by the workshop coordinator.

- **Session 1:** Understanding OER, Copyright and Creative Common Licenses, Searching OER contents from the Internet and OER repositories, releasing educational resources as OERs (Dr. Jeetendra Pande).

- **Session 2:** Demonstration of Online Programmes (by Dr. G. Mythili)

- **Session 3:** Working on Online Course: Introduction, Objectives, Outline (Concept Map) (by Dr. G. Mythili).

- **Session 4:** Learning Management System (Moodle): Distribution of Authentication, Creating Course on Moodle (by Dr. G. Mythili).

Day 2

- **Session 1:** Creating resource: Video and online Assessment (by Dr. G. Mythili).

- **Session 2:** Uploading Resources on Moodle (by Dr. G. Mythili).

- **Session 3:** Working on Moodle: creating Activities (Discussion Forum) (by Dr. G. Mythili).

- **Session 4:** Working on Moodle: creating Activities (Assignments & quiz) (by Dr. G. Mythili).

Day 3

- **Session 1:** Online Course: Enrolling students (by Dr. G. Mythili).

- **Session 2:** Evaluating student’s activities, Working on Moodle & Participants Presentation (by Dr. G. Mythili and all participants).

- **Session 3 (Concluding and feedback Session):** The day ended with the feedback of the participants. Dr. Jeetendra Pande presented the workshop report to Prof. Nageshwar Rao- Vice Chancellor, Uttarakhand Open University. In his valedictory remark, Prof Rao highlighted the importance of using OERs for developing economics like India. He also encouraged the participants to develop these online courses based on 4 quadrant approach suggested by MHRD and submit the course proposal for SWAYAM so that the large number of students are benefited by these online courses. Dr. Rajendra Kaira presented the Vote of Thanks.
Workshop outputs
The following outputs were visible after the 3 day workshop:

- Participants have a clear understanding of OERs and Creative Common Licenses;
- They had a hands-on experience of developing an online course using OERs;
- They became aware of various e-learning platforms;
- They learnt to develop concept map using cmap tool;
- They practiced Moodle Learning Management System;
- They learnt to use HotPatato tool for creating various interactive activities for checking the progress of the learner;
- They developed an online course and add various resources like videos, assignments, quizzes, etc. to the course;
Photographs
Media Coverage
ई-लर्निंग से समृद्ध होगी मुक्त शिक्षा

इलाहाबादः अगस्त 2016

ई-लर्निंग की महत्वपूर्ण भूमिका का उल्लेख किया जा रहा है। इलाहाबाद के जानकारी मुख्यालय में, इलाहाबाद विश्वविद्यालय के प्रोफेसर इम्रान खान ने कहा कि इलाहाबाद विश्वविद्यालय की ई-लर्निंग प्लान को लेकर वह भावना व्यक्त कर रहे हैं।

ई-लर्निंग का प्रयोग शिक्षा के क्षेत्र में बहुत महत्वपूर्ण है। इसका प्रयोग फाइलिंग में भी हो सकता है। इम्रान खान ने कहा कि ई-लर्निंग के माध्यम से शिक्षा का प्रवाह बढ़ाया जा सकता है।

अमर उजाला

नैनितल 22 नवम्बर 2017
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<th>S. No</th>
<th>Name</th>
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