

Workshop on Development of Online Courses using OERs and Moodle LMS

21-23 November, 2017

Organized by

Uttarakhand Open University, Haldwani

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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 from 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.

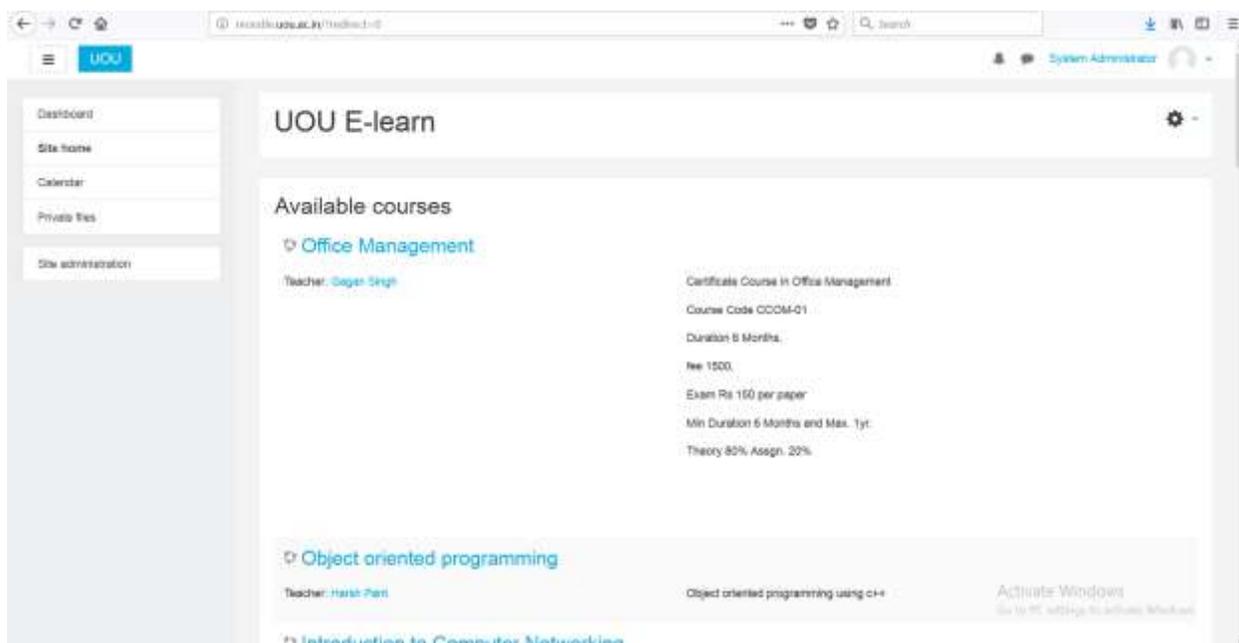


Figure 1: UOU e-learn page

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 , Dupty 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;

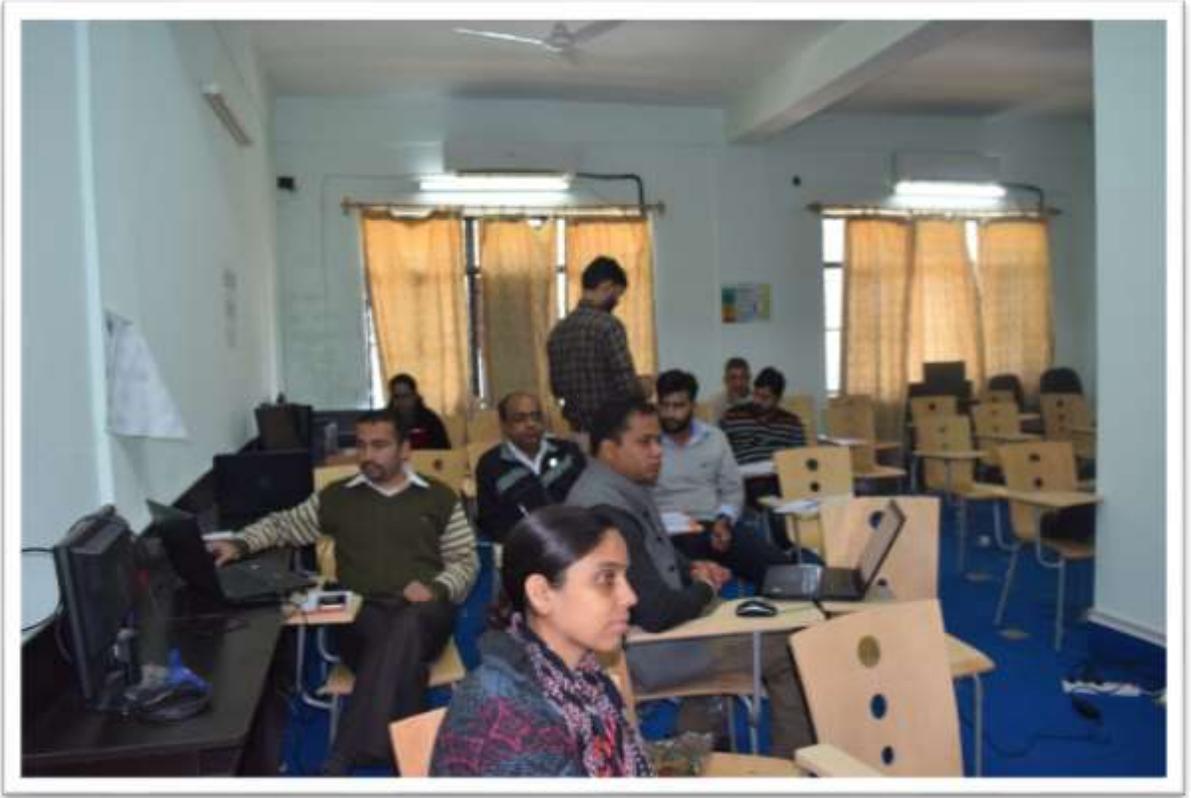
Photographs

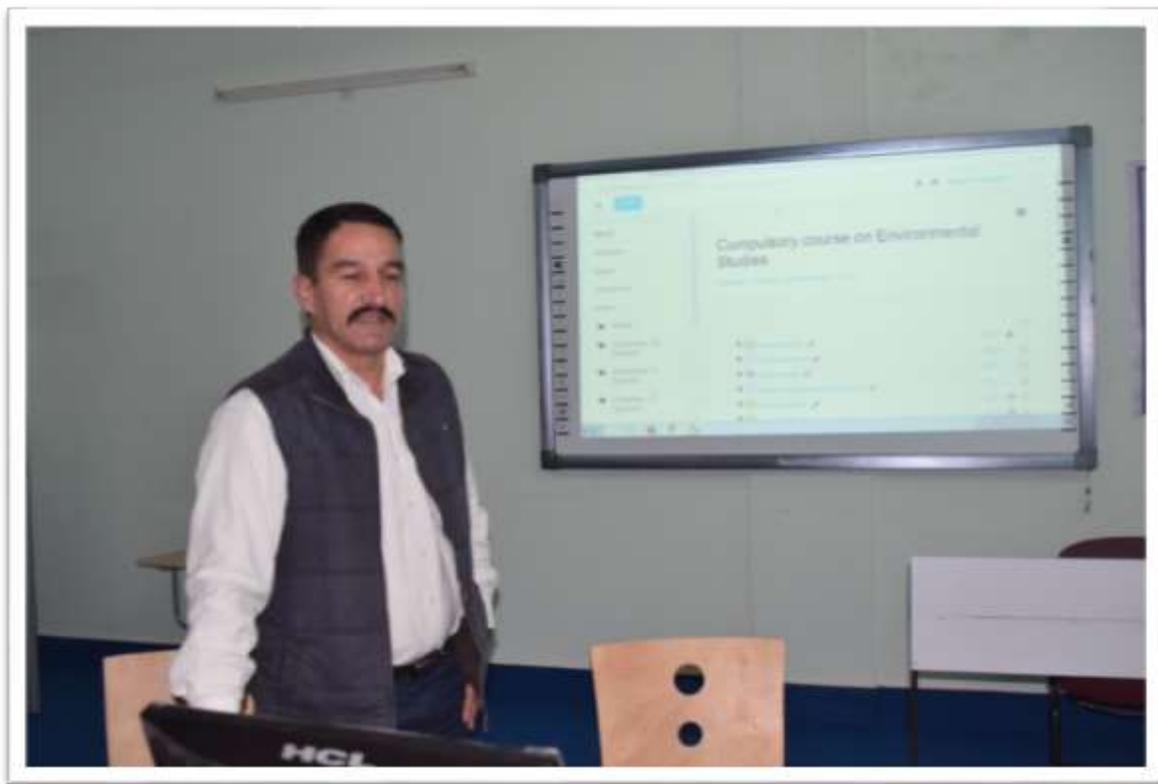


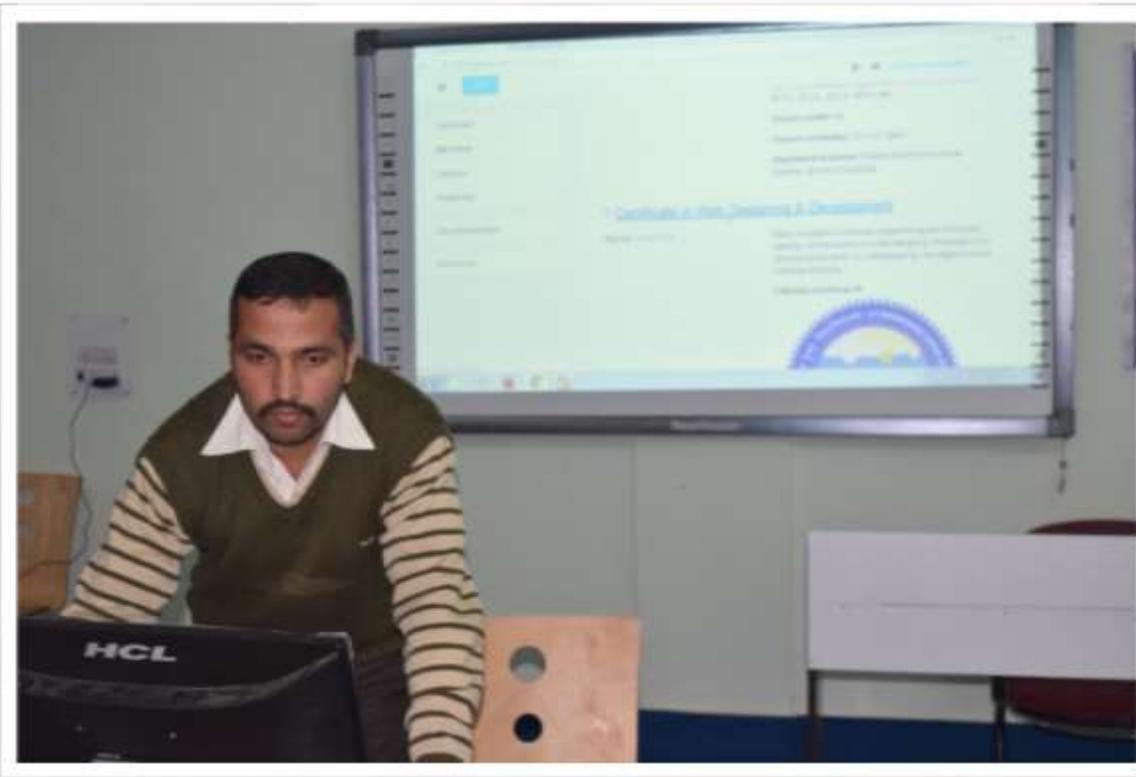






















Media Coverage

ई-लर्निंग से समृद्ध होगी मुक्त शिक्षा

जागरण संवाददाता, हल्द्वानी : उत्तराखंड मुक्त विश्वविद्यालय के कंप्यूटर विज्ञान विद्याशाखा की ओर से तीन दिवसीय कार्यशाला का उद्घाटन मंगलवार को हुआ। मुख्य अतिथि इंदिरा गांधी राष्ट्रीय मुक्त विश्वविद्यालय के शिक्षक डॉ. मैथिली ने वर्तमान में ई-लर्निंग की महत्ता पर प्रकाश डाला। साथ ही भविष्य के लिए बेहद उपयुगी बताया।

एजुकेशन सोर्स पर आयोजित कार्यशाला को संबोधित करते हुए डॉ. मैथिली ने कहा, ओपन एजुकेशन रिसोर्स (ओईआर) को लोकप्रिय और सरल बनाकर हमें आमजन तक पहुंचाना है, जिससे कि उन्हें इसका लाभ मिल सके। ओपन एजुकेशन रिसोर्स एवं मुक्त की ओर से ऑनलाइन पाठ्यक्रमों को विशेषज्ञों ने तैयार किया है। इससे ई-लर्निंग से मुक्त



पहल

- कुलपति ने ऑनलाइन स्वयंसेवा के जैसी किंग्स संबोधित
- उम्मेदियों में एजुकेशन रिसोर्स पर तीन दिवसीय कार्यशाला शुरू

शिक्षा और समृद्ध होगी। कार्यशाला में ऑनलाइन स्कॉइप के माध्यम से देहरादून से संबोधित करते हुए कुलपति प्रो. नागेश्वर राव ने कहा, ओपन एजुकेशन रिसोर्स वर्तमान में युवा शिक्षार्थियों के लिए अत्याधुनिक महत्वपूर्ण पटल के रूप में कार्य करता है। इसलिए अब अधिकांश विद्यार्थी इस सुविधा का लाभ उठा रहे हैं। उन्होंने कहा, उत्तराखंड मुक्त विश्वविद्यालय ने ई-लर्निंग पोटल

विकसित किया है, जिसमें विश्वविद्यालय की ओर से तैयार पाठ्य सामग्री एवं ओपन एजुकेशन रिसोर्स जारों के लिए उपलब्ध है। ऑनलाइन स्कॉइप के जरिये ही प्रो. दुर्गाश पंत ने कहा, तकनीकी के प्रयोग से अध्यापकों की अध्यापन क्षमता का विकास करता है।

कार्यशाला के संयोजक डॉ. जितेंद्र पांडेय ने शिक्षण की नई शैली के बारे में विस्तार से जानकारी दी।

www.jagran.com

हल्द्वानी, 22 नवंबर 2017

दैनिक जागरण 6

दैनिक जागरण

हल्द्वानी, 22 नवंबर 2017

ई-लर्निंग की महत्ता बढ़ी : डॉ. मैथिली

हल्द्वानी। उत्तराखंड मुक्त विश्वविद्यालय (यूओयू) के कंप्यूटर विज्ञान विद्याशाखा द्वारा आयोजित तीन दिवसीय कार्यशाला का उद्घाटन इंदिरा गांधी राष्ट्रीय मुक्त विश्वविद्यालय की डॉ. जी. मैथिली ने किया। उन्होंने कहा कि ई-लर्निंग की महत्ता बढ़ी है, इसलिए ओपन एजुकेशन रिसोर्स की भूमिका भी अधिक बढ़ गई है। डॉ. मैथिली ने कहा कि ओपन एजुकेशन रिसोर्स को लोकप्रिय और सरल बनाकर हमें आमजन तक पहुंचाना है, ताकि उन्हें इसका लाभ मिल सके। ऑनलाइन स्कॉइप द्वारा देहरादून से संबोधित करते हुए कुलपति प्रो. नागेश्वर राव ने कहा कि ओपन एजुकेशन रिसोर्स शिक्षार्थियों के लिए अत्याधुनिक महत्वपूर्ण पटल के रूप में कार्य करता है। कार्यशाला के संयोजक डॉ. जितेंद्र पांडेय ने अध्यापन की नई शैली की जानकारी दी।

अमर उजाला

Nainital 22 November 2017

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