Report on 2-Day Workshop on Developing Open Educational Resources for Distance and Online Learning
Dates: June 14-15, 2022

Organized by Commonwealth Educational Media Centre for Asia (CEMCA), New Delhi

Report
By
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Executive Summary

Commonwealth Educational Media Centre for Asia (CEMCA), New Delhi organized a 2-day workshop on "Developing Open Educational Resources for Distance and Online Learning" during 14-15 June, 2022. 23 participants, including 12 Male and 11 Female from dual mode and open universities participated in the workshop.

This capacity building workshop was aimed at equipping the participants with the competencies required to: (i) differentiate between various Creative Commons Licenses, (ii) explain the need for integrating OER with distance and online learning materials, (iii) find quality and remixable OER, (iv) create and share / publish OER, (v) develop strategies for mainstreaming OER at their institution.

During the inaugural session, Dr. Manas Ranjan Panigrahi, CEMCA explained the background, need and objectives of the workshop. In his inaugural address, Professor Nageshwar Rao, Vice-Chancellor, IGNOU emphasized on the need for (i) integrating OER with Distance and Online Learning in compliance with the UGC ODL and Online Programmes Regulations, 2020 and NEP 2020 and (ii) developing multi-disciplinary ODL programmes and OER-enabled online courses. He also appreciated CEMCA for organizing the workshop for building capacity among the Indian ODL educators.

In his Presidential address, Dr. Basheerhamad Shadrach, Director, CEMCA highlighted the potential benefits of OER in (i) improving access to quality education, (ii) collaboratively strengthening Indian ODL and open education systems, (iii) designing and developing contextualized and personalized learning experience for improved learning autonomy, (iv) transforming OER into leaning-centered activities using FOSS, (v) updating and enriching ODL material for promoting equitable, inclusive and lifelong learning opportunities for all in alignment with the NEP 2020 and SDG4.

Dr. Indira Koneru, CEMCA Consultant designed and co-facilitated the 2-Day workshop along with Dr. Sanjaya Mishra, Education, Director COL and Dr. Manas Ranjan Panigrahi, Senior Programme Officer, CEMCA in order to engage the participants in (i) identifying open educational resources, (ii) explaining various Creative Commons Licenses, (iii) finding quality OER in text, image, video and interactive content formats, (iv) identifying remixable licenses, (v) providing attribution in the TASL format, (vi) creating interactive videos using OER, (vii) publishing OER on H5P and Pressbooks, (viii) integrating OER in the distance and online learning materials, (ix) developing strategies to design, develop and distribute / deliver OER and OER-enabled online courses in their institutional context.

During the valedictory session, Dr. Indira Koneru summarized the 2-day workshop activities. In her valedictory address, Prof. Uma Kanjilal, Pro Vice-Chancellor, IGNOU explained how Indian OER policies, MoE, GoI initiatives facilitate adoption of OER and mainstreaming OER in ODL systems. She suggested CEMCA to set up a consortium for creating and sharing OER, promote using OSS tools, integrate AI tools and organize capacity building programmes for developing open online courses and provide needed handholding to the ODL institutions. Dr. Basheerhamad Shadrach, Director, CEMCA in his closing remarks assured of providing needed support to the ODL institutions in OER and TEL policy creation, capacity building, technology adoption, building partnership etc. Dr. Manas Ranjan Panigrahi presented vote of thanks duly acknowledging the contribution of special invitees, participants, resource person, Director, CEMCA and CEMCA team for making the 2-Day workshop successful.

Workshop Agenda

Commonwealth Educational Media Centre for Asia (CEMCA), New Delhi organized a 2-day workshop on "Developing Open Educational Resources for Distance and Online Learning" during 14-15 June, 2022. This capacity building workshop was aimed at equipping the participants with the competencies required to: (i) differentiate between various Creative Commons Licenses, (ii) explain the need for integrating OER with distance and online learning materials, (iii) find quality and remixable OER, (iv) create and share / publish OER, (v) develop strategies for mainstreaming OER at their institution.

Workshop Participants

22 participants (*See* Annex 1) from dual mode and open universities participated in the workshop. These include 12 Male and 10 Female participants.

Workshop Pre-requisites

The following pre-requisites / pre-workshop activities were assigned to the participants.

- complete the Open Online course on Understanding Open Educational Resources available at https://colcommons.org/
- download and install Lumi Education desktop app
- create an account on H5P
- create an account on Pressbooks

Day 1 Sessions

Day 1 session started with the inaugural session and followed by the technical sessions.

Inaugural Session

During the inaugural session, Dr. Manas Ranjan Panigrahi, CEMCA welcomed the participants and explained the background, need and objectives of the workshop. In his inaugural address, Professor Nageshwar Rao, Vice-Chancellor, IGNOU emphasized on the need for (i) integrating OER with Distance and Online Learning in compliance with the UGC ODL and Online Programmes Regulations and NEP 2020 and (ii) developing multi-disciplinary ODL programmes and OER-enabled online courses. He also appreciated CEMCA for organizing the workshop for building capacity among the Indian ODL educators.

In his Presidential address, Dr. Basheerhamad Shadrach, Director, CEMCA highlighted the potential benefits of OER in (i) improving access to quality education, (ii) collaboratively strengthening Indian ODL and open education systems, (iii) designing and developing contextualized and personalized learning experience for improved learning autonomy, (iv) transforming OER into leaning-centered activities using FOSS, (v) updating and enriching ODL material for promoting equitable, inclusive and lifelong learning opportunities for all in alignment with the NEP 2020 and SDG4.

Technical Sessions

During the Day 1 technical sessions, Dr. Indira Koneru, COL Consultant introduced Open Educational Resources and Creative Commons Licenses and engaged the participants in the discussion on what and why of 'openness' in Open Distance Learning and OER and the need for initiating open educational practices at their respective institutions.

Hands-on Activities

The Facilitator engaged the participants in the following hands-on activities. Participants were asked to bring their course SIM unit structure and one unit content. The Facilitator shared the 'Finding OER & Building Attribution' template so that the participants find and collate their course unit relevant OER in text, image, video and courseware. The participants were instructed to identify a keyword from their course unit and use the same for finding OER in multiple media and generate the attribution in TASL format and paste the same on Finding OER template. The Facilitator also guided the participants on making a note on how to reuse and repurpose the OER that they found for sharing content, transforming into student engagement activities, such as assignment, discussion questions, interactive content for engaging students in adaptive self-assessment etc.

Finding OER – Text

Through the demonstration, the participants were engaged in finding text through Google Advanced Search, Pressbooks open textbooks directory, ePG Pathasala, Vidyamitra, COL course learning materials, Libretext, Skill Commons.

Finding OER – Images

The participants searched images through Google images advanced search, Flickr, Pixabay, Wikimedia Commons etc.

Finding OER – Videos

By applying the Creative Commons filter, the participants searched for OER videos on YouTube. The Facilitator also provided some tips on using NPTEL courses videos though they are not classified under OER on YouTube.

Attribution and Usefulness

The Facilitator trained the participants on how to use the Open Attribution Builder https://www.openwa.org/attrib-builder/ for generating the attribution of the OER that they would like to reuse or repurpose. The participants were instructed to add the attribution to the 'Finding OER' template and also to add the note on how they would integrate OER with their Distance Learning material whether for reading, watching, transforming into student engagement activities and converting into self-assessment interactive content etc.

Evaluating Quality

The Facilitator shared the ISKME's Comprehensive OER Evaluation Tool https://tlp-lpa.ca/ld.php?content_id=34114517 with the participants and instructed them to use the eight rubrics for evaluating the quality of OER prior to using in the ODL course development.

Homework

The Facilitator concluded the Day 1 sessions by assigning the following homework to the participants.

- Find OER (text, video, image, open course) for 1 unit / module and add to the template with TASL attribution. Save the file with your name your institution name and upload to the Google Drive folder.
- Identify one OER video, create 2 MCQs based on the video content and note down the display time in M:SS format to insert questions.

Day 2 Sessions

On Day 2, the participants were engaged in (i) adopting & adapting OER for Distance Learning, (ii) understanding remixing and licenses compatibility issues, (ii) applying a CC license to the derivative

works, (iii) converting OER video into an interactive video with assessment questions, (iv) developing OER policy & strategies for mainstreaming OER.

Remixing and Licenses Compatibility

Dr. Sanjaya Mishra, Director, Education, COL facilitated his virtual session on "OER for Course Development". He presented various distance learning course preparation models, viz., development, adoption, adaptation and wrap around and how OER can be integrated with these models. He insisted on reviewing the quality of OER using CEMCA's TIPS framework. He engaged the participants in understanding various remix considerations using two scenarios and the license compatibility matrix and addressed the participants' queries. He also explained the use of TASL attribution while reusing OER for course development.

OER Integration Workflow

Using her PPT, the Facilitator presented how to integrate OER with teaching, learning and assessment and the various phases of OER integration workflow (*See* image below).
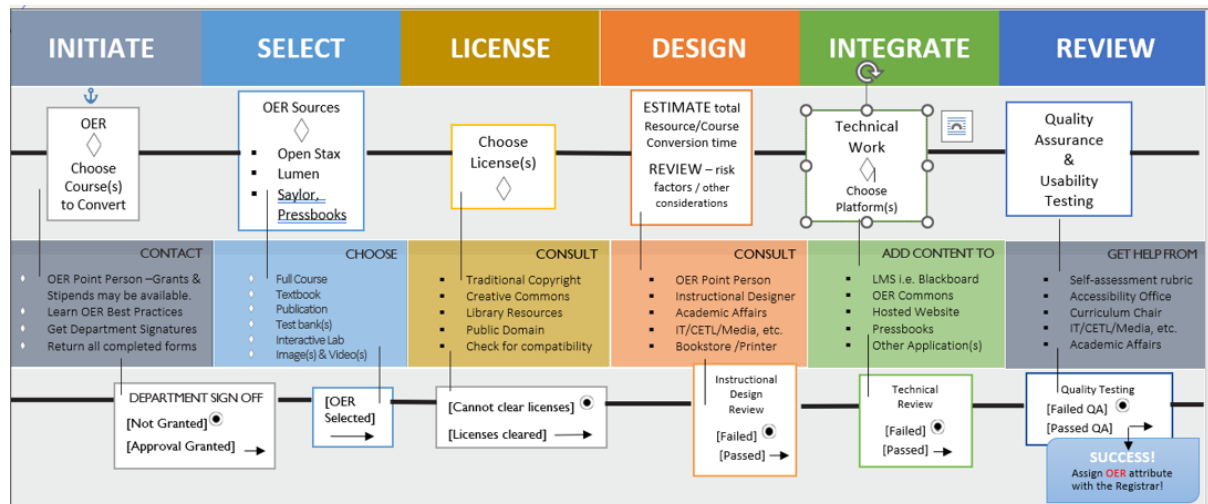

Figure 1 OER Workflow by Elaine Farrally-Plourde is a derivative of "OER Workflow Diagram" by Lisa Rogers and is licensed under CC BY-NC 1.0.

Remixing OER and Applying a CC License

The Facilitator engaged the participants in playing the OERu's remix game[1] with six examples so as to enable the participants to (i) test their remix knowledge, (ii) remix compatible OERs for developing their ODL materials and (iii) assign an appropriate license to the derivate work. For playing the game, the Facilitator introduced the various open licenses (CC, PD and GNU FDL), their icons and reuse terms and conditions. From each group, she made a participant to present the scenario, CC license attached to each format (text, image, audio and video) and pose questions on (i) whether the OER with different licenses can be aggregated and legally released as a derivative work and (ii) which license(s) could be used for the derivative work. The six exercises enabled the participants to discuss and justify the remixing considerations for creating their ODL materials and to apply an appropriate CC license to the derivative work.

Creating Interactive Video using OER

Repurposing OER in a meaningful way helps in improving student engagement. As part of the Day 1 homework, the participants identified their course unit relevant OER video and created self-assessment questions to be inserted in the video. Using the Lumi Education https://lumi.education/ offline app, the Facilitator engaged the participants in transforming a OER video into an interactive

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[1] OERu Remix Game. https://course.oeru.org/oerdsc/copyright-and-licensing/remix-game/introduction/

video and publish on H5P < http://h5p.org/>. She instructed the participants to explore the 40+ H5P interactive content types available for improving student engagement.

Publishing on Pressbooks

Pressbooks is open source book-publishing tool. It allows ODL institutions to publish their SIM as open textbooks as per their institutional OER policy. Because of the time constraint, the Facilitator demonstrated how to use the participant's Pressbooks (creating a Pressbooks account was a pre-requisite for the workshop) account for:

- creating an open textbook,
- updating the book info for adding the title, sub-title, authors, publisher, publication date, cover image, primary subject, Creative Commons license, short and long description etc.
- editing and adding content in text, video and H5P.

Developing Institutional Strategies for OER

Dr. Manas Ranjan Panigrahi, CEMCA facilitated the session on Developing OER policy and strategies for mainstreaming OER. He created a template for (i) adding the issues and challenges in mainstreaming OER, (ii) expected outcomes and output, (iii) activities to be undertaken, (iv) time frame for each activity and (v) university / institution's responsibilities for mainstreaming open educational practices. The participants were instructed to complete the task in 20-30 minutes, upload their document to the Google Drive folder and present their institutional challenges and strategies.

Dr. Mandar Bhanushe, University of Mumbai, Dr. Dola Borkataki, K.K. Handiqui State Open University, Dr. Karan Sukhija, Punjab State Open University, Ms. Moyir Riba, Institute of Distance Education, Rajiv Gandhi University, Arunachal Pradesh, Ms. Rita Singh, Odisha State Open University and Dr. Lakshmi, Dr. BR Ambedkar Open University presented their institutional issues and challenges and proposed activities and their outcomes and output along with the time frame and institution's responsibility.

Valedictory Session

During the valedictory session, Dr. Indira Koneru summarized the 2-day workshop activities. In her valedictory address, Prof. Uma Kanjilal, Pro Vice-Chancellor, IGNOU explained how Indian OER policies, MoE, GoI initiatives, namely, NKC, 2006, NME-ICT OER Polcy, 2014, UGC ODL and Online Programmes Regulations, 2020, UGC Credit Framework for Online Learning Courses through SWAYAM, 2021, Academic Bank of Credit etc. facilitate adoption of OER and mainstreaming OER in ODL systems. She insisted on reviewing and revising the institutional OER policies to integrate OER with ODL courses and repurpose OER innovatively for creating engaging and enriching learning experience to the students. She also emphasized the need to create and release institutional OER in multiple languages and promote creating multi-disciplinary open courses in alignment with the NEP 2020. She suggested CEMCA to set up a consortium for creating and sharing OER, promote using OSS tools, integrate AI tools, organize capacity building programmes for developing open online courses and provide handholding to the ODL institutions.

Dr. Basheerhamad Shadrach, Director, CEMCA in his closing remarks assured of providing needed support to the ODL institutions in (i) developing and revising OER and TEL policy; (ii) building capacity in ODL, OER, TEL and OBL; (iii) developing ODL materials; (iv) using OSS technologies and (v) building partnership.

Dr. Manas Ranjan Panigrahi presented vote of thanks duly acknowledging the contributions of special invitees, participants, resource person, Director, CEMCA and CEMCA team for making the 2-Day workshop successful.

List of Participants

S. No.	Name	Institution
1.	Mrs. Moyir Riba	Department of Education, Rajiv Gandhi University, Arunachal Pradesh
2.	Mr. Anil Kumar	DDE, Panjab University
3.	Dr. Satya Prakash Prasad	CDOE, Jamia Milia Islamia University, Delhi
4.	Dr. Habibullah Shah	DDE, Kashmir University
5.	Shri Mandar Bhanushe	Institute of Distance and Open Learning, University of Mumbai
6.	Dr. Shams Imran	Maulana Azad National Urdu University, Hyderabad
7.	Prof (Dr.) Ajit More	Center for Distance and Online Education, Bharati Vidyapeeth, Pune
8.	Dr. Ratnamohan Jha	Central Sanskrit University, New Delhi
9.	Mr. K Venkatesha Moorthy	Central Sanskrit University, New Delhi
10.	Mrs. Varsha Sashi Nath	Pandit Sunderlal State Open University Bilaspur, Chhattisgarh
11.	Dr. Karan Sukhija	Punjab State Open University
12.	Dr. Gade Lakshmi	B R Ambedkar Open University
13.	Ms. Joshi Nisha Sunil	Babasaheb Ambedkar Open University, Ahmedabad
14.	Dr. Papiya Upadhyay	Netaji Subash Open University, Kolkata
15.	Dr. Jeetendra Pandey	Uttarakhand Open University
16.	Dr. Sumati Ramakrishna Gowda	Karnataka State Open University
17.	Dr. Dola Barkataki	Krishna Kanta Handiqui State Open University (KKHSOU), Guwahati
18.	Dr. Ram Janm Maurya	U P Rajarshi Tandon Open University, Allahabad
19.	Dr. P Chitra	Tamilnadu Open University
20.	Ms. Rita Singh	Odisha State Open University
21.	Dr. Neelam Wasnik	M.P. Bhoj (Open) University, Bhopal, Madhya Pradesh
22.	Dr. Akhilesh Kumar	Vardhmaan Mahaveer Open University, Kota, Rajasthan
23	Dr Dayal Sandhu	CDOE, Jamia Milia Islamia University, Delhi