



**Adoption of Open Educational Resources at City University,
Bangladesh: *a capacity enhancement programme***

Organized by:

**Commonwealth Educational Media Centre for Asia (CEMCA)
and
CITY University, Bangladesh**

26-30, December 2021

**Prepared by:
Dr. Md. Mizanoor Rahman
*Bangladesh Open University***

1. Introduction

Commonwealth Educational Media Centre for Asia (CEMCA), Delhi, a counterpart of the Commonwealth of Learning (COL), provides capacity enhancement (CEP) programs in both open and conventional universities on Open Education Resources (OER) to make sure every learners' access to no-cost course materials. In addition, it also allows faculty to create open-material that is customized for their teaching-learning process. In this way, a university can implement OER-based formal courses which provide affordable material to learners, and allows faculty to enhance their own work, with content for classes. In line with this, CEMCA, in response to a request from the City University, Bangladesh, organized 5-day extended a virtual workshop on “Adoption of Adoption of Open Educational Resources at the City University” from 26 to 30 Dec 2021 (Annex 1) under the CEMCA-commissioned project titled “OER and ICT Application in Higher Education at the City University”. CEMCA provided both technical and financial supports for the workshop aiming to implementation of OER-based Blended Higher Education programs and micro-credential courses at the City University, Bangladesh.

2. Objectives

The participants will be able to:

- Describe the journey from Open Access to Open Educational Resources;
- Identify OER using creative common licenses;
- Search and use OER for teaching and learning;
- Create OER using OER through revise, remix method; and
- Complete COL's 2hrs MOOC on OER;

3. Method

The workshop was held in virtual mode. Zoom platform was used for synchronous sessions on 27 to 29 December 2021 and WhatsApp for asynchronous sessions on 26-30 December 2021. Dr. Barnali Roy Choudhury, expert in the field of OER, and faculty of Netaji Subash Open University, Kolkata, India (Annex 2) was the facilitator of the workshop. In addition, Dr. Manas Ranjan Panigrahi from CEMCA also facilitated various components of the workshop. 115 faculties and officials of the City University joined the WhatsApp Group and interacted on various issues relating to the workshop. Dr. Barnali Roy Choudhury facilitated the entire sessions by following two ways asynchronous and synchronous. She delivered her lectures by using PPTs and Videos both in Bengali and English languages.

4. The participants

Faculty members, IT staff, Library professionals, Online staff, Senior Managements, Leaderships, etc.

5. Workshop Proceedings

Day 1

i) *Inaugural session*

A 5 day-long (26 - 30 December, 2021) virtual workshop on Blended Higher Education through Open Educational Recourses (OER) organized the Commonwealth Educational Media Centre for Asia (CEMCA), Delhi, a counterpart of the Commonwealth of Learning (COL), Canada, and the City University, a leading private university, located Ashulia, outskirts of Dhaka was inaugurated today. 100+ faculties from the City University are attending the workshop, and Dr. Barnali Roy Choudhury of Netaji Subash Open University (NSOU), Kolkata and Dr. Manas Ranjan Panigrahi of CEMCA shall conduct sessions on state-of-the-art issues in Technology-Enabled Learning (TEL) and Open Educational Resources in the field of higher education. Mr. Ahasanul Islam Titu, Member of Parliament, The Peoples' Republic of Bangladesh, and Chairman of the City University, in his speech, in the inaugural session, said, "Teachers and students enter a new world of virtual lectures as the lockdown brought about by the coronavirus shuts down educational institutions which poses a challenge to both teachers and students over technology and access, but it is keeping everyone busy with video lectures and assignments. Some institutions have adopted the Zoom app, others Google Classroom. Yet, the teachers are unable to say how effective they are, and not every student is tuning in. Here is how the system has rolled out. We need to cope with this situation, and in order to do that we need Learning Management System – the LMS which is important for implementing Technology-Enabled Learning (TEL) at the City University". He also said the faculties and officials of the University to leverage technologies in courses of studies in the higher education. He also assured to provide all sorts of facilities to implement the CEMCA's endeavor for the City University and hoped for continuous supports from CEMCA (Annex 4). Speaking on the role of technology in education, which is spread during coronavirus in every part of the globe, Prof. Madhu Parhar - CEMCA Director - said, "We will need to be dependent on technology to uplift the quality of higher education, even if corona virus is limited; blended approach has been new normal for the institutions."



Professor Dr. Md. Shah-E-Alam - Vice Chancellor of City University – said, in his inaugural speech, "After this online workshop, CEMCA is going to organize another in-person workshop on implementing LMS at City University. At least 50 faculties shall be trained, and I hope that we will be implementing the Blended Approach in our University. In addition, we can concentrate on implementing short courses in using technologies." (Annex 5)

The workshop will be held in asynchronous sessions through already created WhatsApp group and in synchronous sessions along with the Zoom. The sessions shall concentrate on transformation of Open Access to Open Educational Resources through creative common (CC) licenses and using the OER for teaching and learning in higher education. The workshop provides a unique opportunity for the faculties and officials of the City University acquiring knowledge and knowing the state-of-the-art issues in TEL. The workshop ended with the vote of thanks by the City University Registrar Professor Mir Akhter Hossain.

ii) Asynchronous session

In the inaugural session, the participants were asked to introduce themselves in the WhatsApp Group, and to through their questions on OER issues. They interacted with Dr. Barnali and Dr. Manas in the Group.

iii) Working session

In this session faculties were introduced to the concept of open educational resources (OER) and its uses in higher education (HE). Dr. Barnali Roy Choudhury – from Netaji Subash Open University (NSOU) – was the resource person (RP) who delivered the lectures to all participants.

Summary of Dr. Roy Choudhury's address is given bellow:

Anyone can get documents through Google search; but all of them are not open educational resources. Demand for good education resources is very high and so on its rising costs are. Therefore, a demand for free of cost materials is exist and which is going beyond the Google. We need to remove the cost barrier so that everyone can access all educational materials. It may happen only in open access environment. It could



be geared up by the use of open access materials with open-source software platform where source code and binary code are available for augmentation with open license platform. This enables the users to search materials from the databases as it properly indexed in a robust way. The user can either search by keyword or browse by broader subjects or disciplines. OER brought paradigm shift in the area of educational development.

In addition, we need to create the culture of sharing which increases the universal participation. Sharing concepts among the participants updates the quality of the concepts. Again, reusing and redistributing of concepts reduce the gap between learners and actors because we can simply access only one third of the open accessed materials. The community of learning object (web-

based learning unit) has worked for the past decade for developing infrastructure, and standards for using particularly in University and Higher Education.

In the literature of library science, matter of access usually happened which were termed as ‘open access’ and ‘close access. This access was manually done in the previous time which is now being done through digitally. The growing capabilities of the Internet, coupled with OER, offer huge opportunities for significantly broadening access to quality educational resources for students. OER have recently emerged as an answer to the need for open and reusable educational material, freely available online. Making educational resource 'open' means it is available at no cost to others for adaptation and reuse in different contexts. Libraries can contribute to the open educational commons by creating OERs themselves. There are many libraries and library consortiums that have taken the lead in producing resources for all.

Open source materials are economically, legally, technically and socially free. But they are under the framework of copyright compulsion. Open licenses and copyright are for same purpose which promotes academic integrity. While using the web-based materials we need to be careful about whether there is copyright infringement or not.

Free vs Open

Free	Open	Issue of rights
<i>Free of cost</i>	Reuse	We get rights
	Revise	
	Remix	
	Redistribute	
	<i>Free of cost</i>	

Intellectual Property Act protects—content creators’ rights through trade secrets, patents, copyrights, and trademarks whether. Learners use the web-materials; in this way they are consumers only.

That’s why; things are gradually changing for open access initiatives. Open accessed journals are the real example of open access initiatives. We need the open licenses for open educational content to implement e-learning. When open educational contents are published through open license, we only tell it open educational resources (OER).

Dr. Roy Choudhury describes OER as under:

- OER provides an alternative to costly textbooks which are used in higher education, and can allow content to be edited and adapted to a variety of environments, say, in classroom, print of hardcopy etc. Open textbooks for the university courses can save money on increasingly expensive commercial textbooks.

- MOOCs can be run by using OER; therefore, any University can implement MOOCs using OER; MOOCs has provided the maximum visibility of open access to run a course/program.
- Openness in the social domain is essentially interested by the predictable social benefits and by ethical considerations related to freedom to use, contribute and share. Openness in Education means: Learning at my time and my pace, and Freedom/flexibility of choice of courses

Day 2

Day 2 started off with previous day's recap, participants were asked to share the learning of the first day. Today's session was concentrated on legal issues in use of academic materials and copyright act which protects legal rights of the authors/creators.

Participants presented their views and understanding on the OER and they also shared their ideas for implementing it in the City University. The trainer was asked about the strengths OER. The audiences were asked to provide their input how the trainer performed. Prof Mihir expected to RP for proving more life oriented examples based on copyright issues.

Summary of Dr. Barnali Roy Choudhury's speech are given bellow:

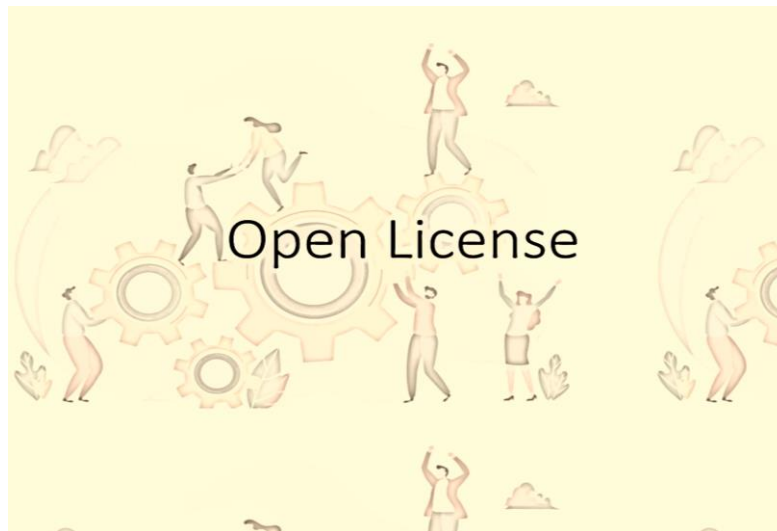
Creation of knowledge was limited. Knowledge comes from previous literature. Expression is always copyrighted – therefore each and every piece of creation is it dealt with copyright act?

Copyright is derived from manifestation. That's why we copyright the manifestation. Things have been changed because we had printing presses, and recently, the influx of ICT. Therefore, copyright issue has been paramount importance. Now a day, plagiarism has been a well-known term. Plagiarism is the act of stealing and passing off the ideas, words, or other intellectual property produced by another as one's own. For example, using someone else's words in a research paper without citing the source is an act of plagiarism. The Internet has been characterized as the largest threat to copyright since its inception. The Internet is awash in information, a lot of it with varying degrees of copyright protection. Copyrighted works on the Net include news stories, software, novels, screenplays, graphics, pictures, Usenet messages and even email. In fact, the frightening reality is that almost everything on the Net is protected by copyright law. That can pose problems for the hapless surfer. Dr. Barnali compares the open license as the river water as it flows.

Day 3

Day 3 started off with an open discussion with a focus on previous day's recap; participants were asked to share the learning of previous two days. Participants also provided feedback on training

contents, training delivery. Day 3 concentrated on creative commons (CC) licensing for OER implementation. In this session 58 participants were attended.



The unique underlying design of a Web page and its contents, including:

- links
- original text
- graphics
- audio
- video
- html, vml, other unique markup language sequences
- List of Web sites compiled by an individual or organization
- and all other unique elements that make up the original nature of the material.

We can use Creative Commons (CC) – an operator which provides OER. There are other operators; but this one has been very well-known. It gives the opportunity for sharing above materials, and everyone wins.

The Creative Commons copyright licenses and tools forge a balance inside the traditional “all rights reserved” setting that copyright law creates. Our tools give everyone from individual creators to large companies and institutions a simple, standardized way to grant copyright permissions to their creative work. The combination of our tools and our users is a vast and growing digital commons, a pool of content that can be copied, distributed, edited, remixed, and built upon, all within the boundaries of copyright law.

All Creative Commons licenses have many important features in common. Every license helps creators — we call them licensors if they use our tools — retain copyright while allowing others

to copy, distribute, and make some uses of their work — at least non-commercially. Every Creative Commons license also ensures licensors get the credit for their work they deserve. Every Creative Commons license works around the world and lasts as long as applicable copyright lasts (because they are built on copyright). These common features serve as the baseline, on top of which licensors can choose to grant additional permissions when deciding how they want their work to be used.

Our public copyright licenses incorporate a unique and innovative “three-layer” design. Each license begins as a traditional legal tool, in the kind of language and text formats that most lawyers know and love. We call this the Legal Code layer of each license.



The Licenses

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This license is the most restrictive among six main licenses, only allowing others to download your works and share them with others as long as they credit original creator, but they can't change them in any way or use them commercially.

After the practical session – there was a question answer session where Prof Udo Shanker, Prof Sobrato Shaha, Prof Mihir and Prof Zahid took part in the discussion.

iv) Closing ceremony

In the closing day, Dr. Manas showed the dashboard for achieving OER Certificate, and he requested all for achieving the certificate using the COL website. In fact, closing ceremony of the training was led by Dr. Manas Ranjan Panigrahi. It was initiated with a note of thanks and he addressed the participants and asked about their learning experiences on open educational resources. He thanked the participants for their active participation in the training. He also congratulated them on successful completion on this training course and hoped that the knowledge gained would help implementing open educational resources. He also said, “Bridging the gap between formal, informal and non-formal we need OER”. “OER provides resource materials for students & faculty that supports learning and collaboration. The image of the City University may be enhanced and new students attracted, and the University can foster connections with colleagues around the world”, he added. He concludes with saying that City University shall make its students independent learner who has access to the Internet can access material from some of the best universities in the world through using the open educational resources. In the closing session, Dr. Md. Mizanoor Rahman, in his concluding speech, “CEMCA started working for OER implementation at the Bangladesh Open University which is now in place. I am happy that they already worked with private universities. Hope through their intervention City University faculties will be skilled enough to implement their OER repository and uplift the quality of higher education”.

v) Training evaluation and post-test

At the end of the training, participants were given workshop evaluation forms and trainer's evaluation forms to share their feedback. In addition a post-training assessment test was also conducted to help gauge the perceived change in knowledge by the participants at the end of the training.

Annex 1: Programme Schedule, 26th-30, December 2021

Day 1:				
S. No	Time	Activity Session	Resource Person/Responsible person	Outcomes
1	11.00am-12 noon	Opening Ceremony		
	All Day	Introduction with Participants Content Sharing Discussion through Whatsapp group	Resource Person (Asynchronous facilitation)	Participants engaged on different activities and relevant contents.
Day 2				
2	7:00pm - 7.45pm	Understanding of OER and OEP	Dr. Barnali Roy Choudhury	Understanding developed on the concept.
3	7.45pm - 8.30pm	Understanding OER Licensing Activity	Dr. Barnali Roy Choudhury	Differentiate six types of CC licensing
		Support to the participants on the following: <ul style="list-style-type: none"> • Discussion on participants queries • Sharing of relevant materials • Feedback on activities 	(Asynchronous facilitation)	Participants engaged on different activities and relevant contents.
Day 3				
5	7:00pm - 7:45pm	OER Licensing and remixing Activity	Dr. Barnali Roy Choudhury	Understanding the OER policy
6	7.45pm - 8.30pm	Finding OER using Google & Integration to Courses	Dr. Barnali Roy Choudhury	Identify appropriate OER and suitable CC licensing
		Support to the participants on the following: <ul style="list-style-type: none"> • Discussion on participants queries • Sharing of relevant materials Feedback on activities	(Asynchronous facilitation)	Participants engaged on different activities and relevant contents.
Day 4				
7	All day	Recapitulation, Discussion, Sharing Relevant materials	All Resource Persons (Asynchronous	Participants engaged on different activities

			facilitation)	and relevant contents.
8	7:00pm - 8:30pm	Searching, Creating, Curating OER. Attributing and Integrating OER for content development.	synchronous	Participants searching, creating using different search engines and visiting various OER platform and repositories
Day 5				
9		Closing and Way Forward		
		Support to the participants on the following: <ul style="list-style-type: none"> • Workshop Feedback through google form • Discussion on participants queries • Sharing of relevant materials 	All Resource Persons (asynchronous facilitation)	Participants engaged on different activities and relevant contents.

Annex 2: Bio-note of Barnali Roy Choudhury

Barnali Roy Choudhury is an assistant professor of department of library and information science, Netaji Subhas Open University. She has been awarded gold medal from University of Burdwan for his master degree in library and information science. She was also a Research fellow of UGC (NET/JRF). She acted as a Project fan pillow at Commonwealth educational media Centre for Asia on a project developing SLM toolkit on open access in Association with UNESCO. She joined as a librarian at Acharya Jagadish Chandra Bose college in the year 2014. She is working on the area of year for last 10 years. She took the project to develop an Institutional OER repository for Netaji Subhas Open University. She also acted as an expert in different capacity building programme, organised by CEMCA, COL and other universities like Bilaspur University, BRAmbedkar Open University, HELP University, Malaysia, KK Handique Open University, Bangladesh Open University etc. Her choice of interests are Open access initiative, open educational resources, open source software, Information retrieval and community Information Service. Her remarkable jobs on OEP are developing OER Repository in NSOU and BOU. Publishing a book on Resource Optimization from UNESCO.

Annex 3: Speech of Mr. Ahasanul Islam (Titu), Member of Parliament Chairman, City University

The Vice Chancellor - Professor Dr. Md. Shah-E-Alam

The CEMCA - Prof. Madhu Parhar

The Resource Person - Dr. Barnali Roy Choudhury

CEMCA Official - Dr. Manas Ranjan Panigrahi

Deans, Directors, and faculties virtually present here

Good morning,

I am glad to join you today as we are going to implement the Open Educational Resources and Technology-Enabled Learning at the City University with the help of the Commonwealth Educational Media Centre for Asia (CEMCA), a counterpart of Canada-based international organization - the Commonwealth of Learning (COL).

It's a prestige for the City University to work with the Commonwealth of Learning, and I would like to congratulate the Organizing Team of the today's event. I am glad to know that CEMCA shall virtually train all faculties of the University on Open Educational Resources, and hope the success of this online workshop under Dr. Barnali Roy Choudhury of Netaji Sobas Open University who is a Bangali. Hope all participants will be very comfortable to receive training in OER issues. Thank you Didi for being with us

As Parliament Member and Chairman of the Trustee Board of the City University, I always look into the education related information of the country. I knew that Bangladesh already drafted the National OER Policy with the help of Commonwealth of Learning, and which is awaited for the ratification by the Government. By this time, Bangladesh Open University and couple of private universities already adopted their OER policy. I appreciate CEMCA's drive for us. Thank you Prof. Madhu and Dr. Manas for supporting us

Ladies and gentlemen,

Teachers and students enter a new world of virtual lectures as the lockdown brought about by the coronavirus shuts down educational institutions which poses a challenge to both teachers and students over technology and access, but it is keeping everyone busy with video lectures and assignments. Some institutions have adopted the Zoom app, others Google Classroom. Yet, the teachers are unable to say how effective they are, and not every student is tuning in. Here is how the system has rolled out. We need to cope with this situation, and in order to do that we need Learning Management System – the LMS which is important for implementing Technology-Enabled Learning (TEL) at the City University. I am happy to learn that CEMCA shall train in-person 50 faculties on LMS in January 2022, and 20 policy-level people in February. Hope Vice Chancellor shall provide logistical supports to make in-person workshops successful.

Ladies and Gentlemen,

We are in a different era, a different shift and a different realization that we should all embrace. The education sector across the world experienced shifts never seen before. The United Nations Educational, Scientific, and Cultural Organization (UNESCO) estimates that close to 90 percent of the world's student population continue to suffer as a result of prolonged closure of learning institutions across the world affecting over 1.2 billion children and youth. Additionally, the digital divide has made it very difficult for learners from marginalized communities to access online classes. The challenges of infrastructure and access, equity, quality of teaching and learning and assessment are alive now more than ever as the world moves to embrace online teaching and learning. These challenges have far-reaching impact in Bangladesh where the majority of learners do not have access to internet services and IT learning devices. Therefore, Bangladesh Government took a bold step towards the reopening of educational institutions. I think, still we have to rely on technology-enabled learning. Educational technology has been imperative rather option.

Ladies and Gentlemen

I am glad that Bangladesh has demonstrated that it can rise above the challenges and provide the solutions needed to embrace online teaching and learning. The major advantage of online learning is asynchronicity, or, "anytime, anywhere learning." Using this strength City University shall successfully implement the Blended Approach of learning for uplifting the quality of teaching.

Go ahead and make your unique mark as you start this new journey. Congratulations and Thank You!

Annex 4: Speech of Guest of Honour -VC, City University

Honorable Chief Guest – Mr. Ahasanul Islam (Titu), Member of Parliament and Chairman of the City University

The CEMCA Director - Prof. Madhu Parhar

The Resource Person - Dr. Barnali Roy Choudhury

CEMCA Official - Dr. Manas Ranjan Panigrahi

OER expert – Dr. Mizanoor Rahman

Deans, Directors, officials and faculties of the City University

Good morning to all.

Many thanks to CEMCA for supporting our university for implementing the open educational resources and technology-enabled learning (TEL) at the City University

Ladies and gentlemen,

Higher Educational Institutions were completely shut down since March 26, 2020 that directly obliged us to adopt online education to keep our students in studies. While doing that, we encountered many challenges. During the shutdown, we conducted teaching and learning activities wholly online at the City University although we had no experiences. Our teachers conducted classes through well-known apps, namely, Zoom and Google Meet.

We were connected with the students through online; but, I must say it is same as face-to-face setting. We just replaced our classroom in the online platform. We conducted classes, it was not a problem at all; but we faced problems in assessment. We back in the classroom, but already used-to in technology; therefore, we still need to use it for uplifting the quality of higher education. In order to find out a viable technique for dealing with the challenges in assessing students, we were looking for solutions, and finally, proposed to CEMCA for helping the University for implementing the LMS- that is the Learning Management System.

I learn about CEMCA from its programme with the UGC, and incidentally, proposed for supporting. Our project with the CEMCA is of 3 month duration. Within this time project aims to conduct baseline and end-line survey on TEL requirement, capacity building on implementation of OER-based blended programmes, and implementation of Learning Management System which integrates teaching-learning activities in single platform. Dr. Manas and Professor Madhu were speaking about MOOCs programmes. At City University, we can implement the MOOCs – the Massive Open Online Courses. After this project, I hope CEMCA shall continue its supports on MOOCs development at the City University.

Ladies and gentlemen,

After this online workshop, CEMCA is going to organize another in-person workshop on implementing LMS at City University. At least 50 faculties shall be trained, and I hope that we will be implementing the Blended Approach in our University. In addition, we can concentrate on implementing short courses in the field of Capital Market, Banking and Insurance. CEMCA can help us in implementing these micro-credential courses. There is a huge demand for these courses and our Chairman already instructed me to establish a separate Institute in the University for Training Course in finance field. Under this project, CEMCA shall support another in-person workshop for the policy level people to develop an OER Policy for the City University.

Ladies and gentlemen,

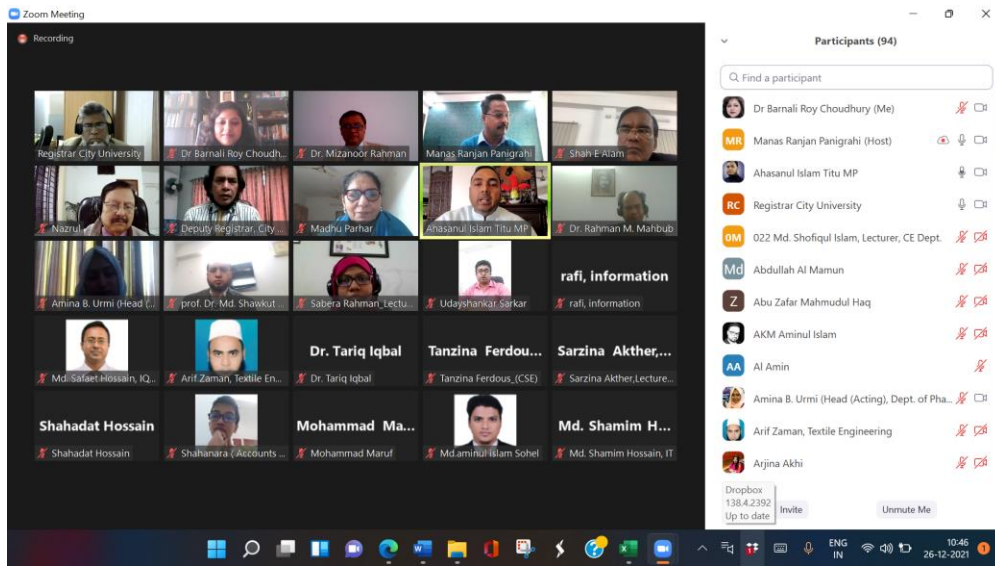
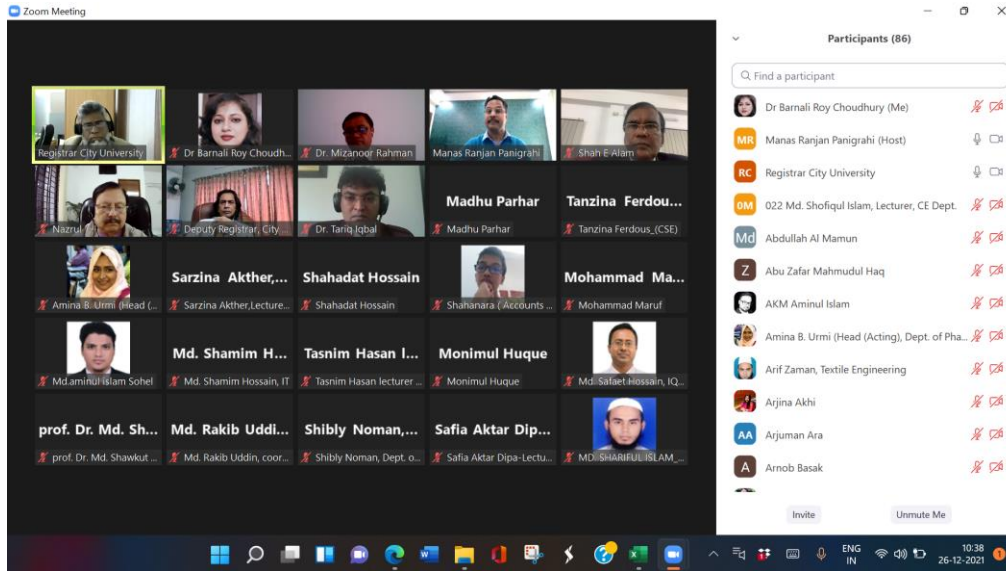
At the end of this project, the City University will have following outputs–

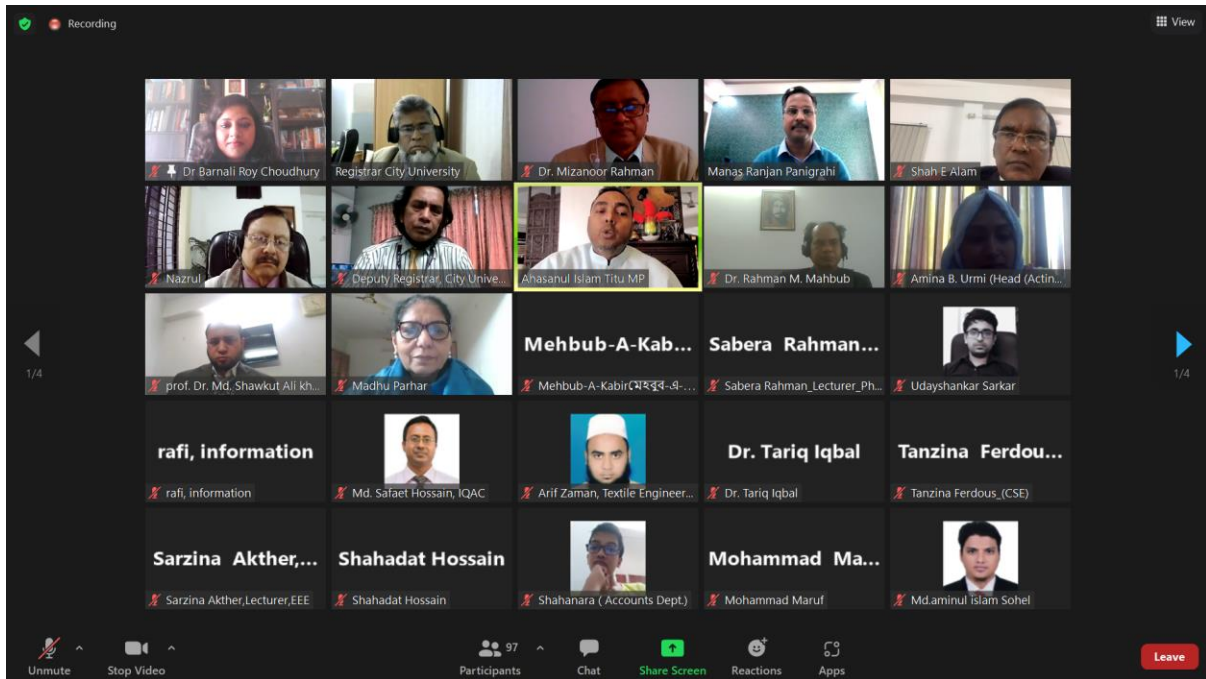
- an OER Policy
- a complete OER Repository;
- an operational LMS;

University Grant Commission of Bangladesh is asking its member universities for collaboration with the universities of other countries. We already have collaborations with the universities in Malaysia and China. So, CEMCA can support us through mediating collaborations with other universities in Commonwealth Asia.

Thank you all.

Photo Gallery





Zoom Meeting

Participants: Madhu Parhar, Dr. Mizanoor R..., Sharifa Akter R...

Dr. Barnali Roy Choudh..., Madhu Parhar, Dr. Mizanoor Rahman, Sharifa Akter Rukaia, L...

Recording

Manas Ranjan Panigrahi

Participants (99)

Find a participant

- AA Arjuman Ara
- A Arnob Basak
- AS Ayesha Siddika_CSE_Assistant professor
- chowdhury sutapa
- DR Deputy Registrar, City University
- Dr. A K M Saiful Islam
- Dr. Md. Nazmul Houda
- DR Dr. Rahman M. Mahbub
- EH Elius Hossain
- Fahmida Jabin
- Farhana khan
- Fatema Tuz Zohora

11:21 26-12-2021

Zoom Meeting

Participants: Dr. Mizanoor R..., Sharifa Akter R...

Dr. Barnali Roy Choudh..., Manas Ranjan Panigrahi, Dr. Mizanoor Rahman, Sharifa Akter Rukaia, L...

Recording

Manas Ranjan Panigrahi

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- Farhana khan
- Fatema Tuz Zohora

11:21 26-12-2021

Zoom Meeting

Dr. Mizanoor R...

Dr. Barnali Roy Choudh... Manas Ranjan Panigrahi Madhu Parhar Dr. Mizanoor Rahman

Participants (101)

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- AA Arjuman Ara
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- DR Dr. Rahman M. Mahbub
- EH Elius Hossain
- Fahmida Jabin
- Farhana khan
- Fatema Tuz Zohora

Unmute Stop Video Participants 101 Chat Share Screen Reactions Apps Leave

Registrar City University

11:22 26-12-2021