



Capacity Building Workshop on E-Content Development



(May 18-20, 2017)

Organized by: Netaji Subhas State Open University

in Collaboration with COL-CEMCA

Submitted by:

**Dr. Nisha Singh,
Deputy Director, IUC, IGNOU**

Introduction:

Netaji Subhas Open University is a premier State Open University in India, established in year 1997, which was the birth centenary year of Netaji Subhas Chandra Bose, to provide an opportunity of higher education in the vernacular medium to various disadvantaged groups of aspiring learners. NSOU at present has School of Humanities; School of Social Sciences; School of Sciences; School of Education; School of Professional Studies and School of Vocational Studies. The University has successfully completed two projects viz. i) Development of blended course materials for Tailoring and Dress Designing (vocational course) and ii) Development of NSOU OER repository. At present School of Vocational Studies is doing a project titled "Vocational Education & Training offering through Mobile Learning: An Innovative ODL Approach". The project is being carried out with the financial support from Commonwealth of Learning-Commonwealth Educational Media Centre for Asia (COL-CEMCA). The objective of the present project is to develop the Mobile App for the most popular course of Diploma in Pre-primary Teachers' Education-Montessori of the University. For this particular project the School of Vocational Studies plans to develop e-content of the course materials (non-print version/ digital version) as well as the A/V lectures compatible to Mobile App.

The present three-day *Capacity Building Workshop on E-Content Development* in association with COL-CEMCA was organized as a prelude to the project. The subject experts of different disciplines were invited to attend the three day workshop who will be involved in the development of e-content for the present project.

Objectives:

The objective of the present workshop was capacity building among faculty members to design and develop e-content.

Therefore, after the workshop the participants will be able to :

- explain the types of e-content.
- apply AIDDE model for designing the e-content of their discipline.
- make a concept map using Free mind
- use audacity to develop audio resource for their e-content
- develop e-content using eXe
- develop different types of objective type questions for quiz using Hot Potatoes

Participants:

Twenty eight participants attended the programme. List of participants is attached as Appendix 2.

Methodology:

The methodology used for the sessions was demonstration using PowerPoint presentation and the software which was followed by hands-on by the participants. Each participant practiced the skills individually. They also worked in groups for design and development of e-content for presentation on the final day of the workshop.

Date and Venue:

The workshop was for three days May 18th (Thursday) to May 20th (Saturday), 2017.

The venue of the workshop was Netaji Subhas Open University (NSOU), Salt Lake City, Kolkata, West Bengal.



Workshop Curriculum:



Workshop on “Capacity Building Workshop on e-Content Development”

May 18th to 20th, 2017

organised by



School of Vocational Studies, Netaji Subhas Open University (NSOU) sponsored by Commonwealth Educational Media Centre for Asia-Commonwealth of Learning (COL-CEMCA)

S. No.	Content/Topic	Learning outcome	Resource Person(s)
Day 1 (18/5/17)			
12.30-1.30	E-Content: What it is; Definition: Types: Textual; audio; video; audiovisual	Participants will be able to <ul style="list-style-type: none"> describe the various types of e-content identify the type of e-content suitable to their context 	Dr. Nisha Singh
1.30-2.15	OER: Introduction; Searching for OER Group Work	Participants will be able to <ul style="list-style-type: none"> identify and relate to OER search for OER in their discipline collect OER related to their discipline/topic for developing e-content 	Dr. Manas R. Panigrahi & Mrs. Barnali Roy Choudhuri
2.15-2.45	Lunch Break		
2.45-3.45	Instructional Design: Concept; Basics and ID Model : AIDDE	Participants will be able to <ul style="list-style-type: none"> realize the importance of ID Use AIDDE model of ID 	Dr. Nisha Singh
3.45-4.30	E-content: Scripting Basic; importance; Points to consider while developing script for e-content And Group work	Participants will be able to <ul style="list-style-type: none"> design e-content identify the multimedia components of the e-content identify which component will be available as OER and which they have to develop 	Dr. Nisha Singh
4.30-4.45	Tea Break		
4.45-5.15	Concept Mapping: Basic; importance; Software for developing concept map: Free-mind And Group work	Participants will be able to <ul style="list-style-type: none"> build concept map on the identified concept using Free mind 	Dr. Nisha Singh
Day 2 (19/5/17)			
10.00-11.30	Multimedia components: Audio-Audacity Video; Mobile/camera	Participants will be able to <ul style="list-style-type: none"> install audacity and develop audio using Audacity for their e-content 	Dr. Nisha Singh

	And Group Work	<ul style="list-style-type: none"> develop video using camera/mobile for their e-content 	
11.30-11.45	Tea Break		
11.45-1.15	Wikieducator: Developing content collaborative way And Group work	Participants will be able to <ul style="list-style-type: none"> create account on wiki educator Do basic editing on Wiki 	Dr. Anirban Ghosh
1.15-2.00	Lunch Break		
2.00-3.30	eXe- E-content Developing Tool And Group work	Participants will be able to <ul style="list-style-type: none"> install eXe create pages on eXe insert multimedia components in eXe 	Dr. Nisha Singh
3.30-3.45	Tea Break		
3.45-5.15	Hands-on	Participants will be able <ul style="list-style-type: none"> to develop package on eXe 	Dr. Nisha Singh, Dr. Manas R. Panigrahi, Dr. Anirban Ghosh
Day 3 (20/5/17)			
10.00-11.30	Online Assessment: Hot Potatoes And Group work	Participants will be able to <ul style="list-style-type: none"> install Hot potatoes develop quiz using Hot potatoes containing multiple choice; Fill in blanks. Match the following; crossword, mix and match 	Dr. Nisha Singh
11.30-11.45	Tea Break		
11.45-1.15	Hands On	Participants will be able to <ul style="list-style-type: none"> develop e-content using the tools taught : Audacity, eXe; hot potatoes 	
1.15-2.00	Lunch Break		
2.00-3.30	Presentations: Individual/Group	Participants will showcase the e-content developed individually/group	Dr. Nisha Singh, Dr. Manas R. Panigrahi, Dr. Anirban Ghosh
3.30-3.45	Tea Break		
3.45-5.15	Presentations: Individual/Group	Participants will showcase the e-content developed individually/group	Dr. Nisha Singh, Dr. Manas R. Panigrahi, Dr. Anirban Ghosh

Inauguration is the beginning of any event and sets the tone of the event. It was initiated by *Dr. Anirban Ghosh*, Project Coordinator and Associate Professor, NSOU. In his welcome address, he very aptly gave a new meaning to the acronym ODL as Open and Digital Learning instead of Open and Distance Learning. The distance is now bridged by digital technologies be it between the teachers and learners or between university and learners. The ever increasing developments in Information and Communication Technology (ICT) has significantly changed the way education is transacted in institutions, thus affecting the pedagogical strategies. It has brought new challenges to all stake holders and has covered the journey of Blackboard to Digital board/Smart board. ICT has helped in enhancing the teaching-learning activities and accessibility of educational resources. E-content has become important in this.

Dr. Manas R. Panigrahi, Programme Officer, CEMCA introduced the theme and highlighted the objectives of the present project. He also mentioned that both NSOU and COL-CEMCA are jointly working towards the UN's Sustainable Development Goal (SDG) 4, which talks of quality sustainable education. He congratulated NSOU on launching Institutional OER repository which will help NSOU learners and other learners. This will help and reduce gap of language barrier as OER is available in regional language for all levels. Bangla is a rich language and its OER will help the neighbouring country Bangladesh as well. Two participants in the workshop were from Bangladesh Open University (BOU). The present project, which is extension of earlier projects, will focus on two areas, Vocational and Pre-primary. Mobile approach and mobile compatible learning is being explored for reaching teachers. As today's generation is of digital learners, we should prepare for online learning in big way.

In the inaugural address, *Dr. P. K. Das* Member Secretary, West Bengal State Council of Higher Education, Govt. of West Bengal and former Managing Director of WEBEL talked about importance and quality of e-content and e-learning in increasing the GER of the country. He stressed on the need of innovative methods like distance and open learning, to educate the large population. He praised the role of NSOU in education and suggested that distance education should be contributing 5% of the GER. He stressed that teachers, learners and content are three important aspects of education. The content should be easy and interesting so that learners can learn easily. He talked about open source platforms like Edx and the open repository available for learners. He very lucidly highlighted the merits and cautioned on the limitations of on-line learning and different open source software. He also shared with the august

gathering that government is taking initiatives to reach the remotest areas of the state with internet facilities.

Mr. Anirban Guha, Former Deputy Director of CDAC, Kolkata talked about the initiation of open universities in India and talked about the role premier State Open university, NSOU. He further traced the evolution of Telecom infrastructure in the country. The setting up of knowledge village, e-choupals, telemedicine, e-kiosks to cover the digital divide, has made digitisation and its benefits reach the common man. He also emphasised the role of ODL in skilling the youth of rural India. ICT has opened the door of skilling youth living in remotest places. He shared that even today the impediments to ICT are low band width and low speed of voice and data transmission. The project Vidya Vahini was initiated by Prime Minister for training teachers and principals of schools on basic computers. He quoted that content is the king and therefore, it should be contextual, meaningful and interesting. He talked about the variety of e-content and the devices that can be used for generating e-content and e-content standards like W3C, IMS. Mr. Guha also stressed upon to use the ICT extensively for the benefit of our society. His address was very informative and set the ball rolling for ICT enabled education.

Dr. Nisha Singh, Deputy Director, Inter University Consortium for Technology Enabled Flexible Education and Development (IUC-TEFED), IGNOU acted as the Resource Person nominated by COL-CEMCA. She highlighted in the inaugural session the expected outcome of the three day workshop. She stressed on the use of open source software for developing e-content. She also talked of Government of India initiative of e-content -SWAYAM and SWAYAMPBHA

Professor Subha Sankar Sarkar, Vice-Chancellor, Netaji Subhas Open University in his presidential address discussed about the University's activities for ICT enabled courses. He talked about the GER in West Bengal and how ODL can help in raising GER. NSOU has enrolment of 3.5 lakhs and contributes almost 20% of enrolment in higher education in West Bengal. NSOU is increasing its reach to learner through its ICT enabled teaching learning practices. University has recently launched OER repository and OER licensing policy. OER policy adopted by NSOU is CC By SA and NC. He proposed for connectivity mapping which will help in designing the delivery of content. In areas of low connectivity like SunderBan, e-content can be given on pen drive, CD, SD cards. This way connectivity gap can be bridged till the time we have good connectivity in all areas. Professor Sarkar also conveyed his sincere thanks to CEMCA for their whole hearted support for various projects.

The vote of thanks was proposed by Ms. Kasturi Sinha Ghosh, Assistant Professor, School of Vocational Studies.






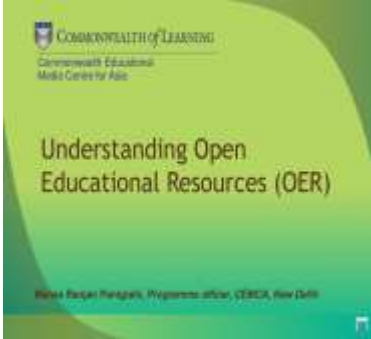
Sessions Details:

1st Day 1st Session: 12.30 pm to 1.30pm

<p>E-Content: What it is; Definition: Types: Text; audio; video; audiovisual</p>	 <p>The slide features the text "E-content" in large white font on a dark background. Below it, in smaller white font, is "Nisha Singh Deputy Director, IUC, IGNOU". The background shows a laptop keyboard.</p>	<p>Participants will be able to</p> <ul style="list-style-type: none"> • describe the various types of e-content • identify the type of e-content suitable to their context
 <p>The slide has an orange background and asks "What is e-Content?". It lists "It can be of many types:" followed by a list: PDF, Audio, Video, Image, Graphic, Animation.</p>	 <p>A photograph of Dr. Nisha Singh standing at the front of a classroom, addressing a group of students seated at long tables. She is wearing a light-colored sari.</p> <p style="text-align: center;">Dr. Nisha Singh</p>	 <p>The diagram is titled "Content Generation in 4 Quadrant" and is divided into four colored quadrants: yellow (top-left), green (top-right), blue (bottom-left), and red (bottom-right). Each quadrant contains specific content types and characteristics.</p>

The first session was the introduction to the E-content. It was foundational to the three days’ workshop on e-content development. It dealt in detail with the definition of e-content i.e. any digitized content that can facilitate the teaching and learning process and is delivered through various electronic media. It provides flexibility of - time, place, pace of learning. The session covered various types of e-content available and the various e-content standards being used world over. The session also covered some of the initiatives taken for development of e-content by Government of India like SWAYAM and SWAYAM PRABHA.

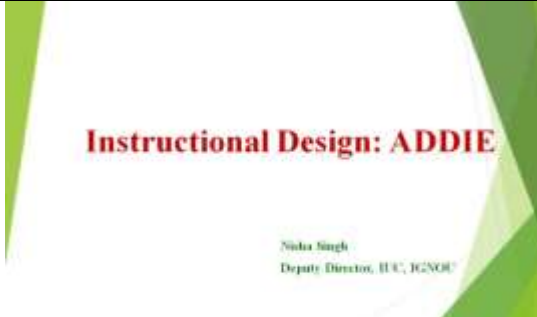



1st Day 2nd Session: 1.30pm -2.15pm

<p>OER: Introduction; Searching for OER and Group Work</p>	 <p>Ms. Barnali Roy Choudhary</p>	<p>Participants will be able to</p> <ul style="list-style-type: none"> • identify and relate to OER • search for OER in their discipline • collect OER related to their discipline/topic for developing e-content
		

The second session was on Basics of OER and how to search OER. The session was taken by Dr. Manas R. Panigrahi who explained in detail about the importance of OER in education. He helped participants to understand OER and the Creative Commons (CC) licence. He explained in detail in simple terms the different types of Creative Common licenses and how to mix the OER with different CC licenses. All the participants participated actively.





Ms Barnali Roy Choudhary, Assistant Professor, Library Sciences, NSOU further talked about OER and various OER repository. She also demonstrated the use of OER Repository developed by NSOU in collaboration with CEMCA.

1st Day 3rd Session: 2.45 pm to 3.45pm

<p>Instructional Design: Concept; Basics and ID Model : AIDDE</p>		<p>Participants will be able to</p> <ul style="list-style-type: none"> • realize the importance of ID • Use AIDDE model of ID
	 <p style="text-align: center;">Dr. Nisha Singh</p>	





The third session was the introduction to Instructional Design models in which the instructional design model and its components were discussed. The core ID model: ADDIE was discussed in detail. Instructional Design is the process by which instruction is improved through the analysis of learning needs, and systematic development of learning materials. Instructional designers often use technology and multimedia as tools to enhance instruction. (<http://www.instructionaldesign.org>). The five phases of ADDIE model-Analysis; Design; Develop; Implement and Evaluate were discussed with help of adequate examples. Theories like Robert Gagne's nine steps to instruction, Bloom's taxonomy of learning objectives were also discussed.

1st Day 4th Session: 3.45 to 4.30pm

<p>E-content: Scripting Basic; importance; Points to consider while developing script for e-content and Group work</p>		<p>Participants will be</p> <ul style="list-style-type: none"> • able to design e-content • identify the multimedia components of the e-content • identify which component will be available as OER and which they have to develop.
	 <p style="text-align: center;">Participants in Session</p>	

The fourth session focused on scripting of e-content. Scripting is important for outlining the structure of e-content; conceptualizing logical pathways and defining contents for each screen in the e-content. A storyboard is organized sequentially, screen by screen and each screen is stretched out with design notes and specifications. It is the design for the user interaction and navigation through the contents of multimedia package or the e-content. The phases in scriptwriting and storyboarding and the guidelines were elaborated in detail with help of examples by the resource person-Dr Nisha Singh, DD, IUC, IGNOU, New Delhi.

1st Day 5th Session: 4.45 pm to 5.45 pm

<p>Concept Mapping: Basic; importance; Software for developing concept map: Free-mind and Group work</p>	 <h2 style="text-align: center;">Concept Mapping – Free Mind</h2> <p style="text-align: center;">Free mind is an Open Source Software widely used in making concept maps.</p>	<p>Participants will be able to make concept map on the identified concept using Free mind</p>																																																												
	 <table border="1"><thead><tr><th>Free Mind</th><th>Shortcut</th><th>Description</th><th>Shortcut</th><th>Function</th><th>Shortcut</th></tr></thead><tbody><tr><td>Add sibling node</td><td>ENTER</td><td>Enter to add</td><td>ESC+D</td><td>Reset graphical look</td><td>Ctrl+G</td></tr><tr><td>Add child node</td><td>ENTER</td><td>Enter to add</td><td>ESC</td><td>Reset visual appearance</td><td>Ctrl+C</td></tr><tr><td>Add sibling node</td><td>Shift+ENTER</td><td>Enter to add</td><td>Ctrl+D</td><td>Export map</td><td>Ctrl+V</td></tr><tr><td></td><td></td><td>Enter to add</td><td></td><td></td><td></td></tr></tbody></table> <p>Node Editing</p> <table border="1"><thead><tr><th>Function</th><th>Shortcut</th><th>Description</th><th>Shortcut</th><th>Function</th><th>Shortcut</th></tr></thead><tbody><tr><td>Node right</td><td></td><td>Open right node</td><td>Ctrl+V</td><td>Load selected</td><td>Ctrl+V</td></tr><tr><td>Node left</td><td></td><td>Open left node</td><td>Ctrl+L</td><td>Save map</td><td>ES</td></tr><tr><td>Node up</td><td></td><td>Open up node</td><td>Ctrl+U</td><td>Help user manual</td><td>Ctrl+F1</td></tr><tr><td>Node down</td><td></td><td>Open down node</td><td>Ctrl+D</td><td>Hide window</td><td>Ctrl+H</td></tr></tbody></table>	Free Mind	Shortcut	Description	Shortcut	Function	Shortcut	Add sibling node	ENTER	Enter to add	ESC+D	Reset graphical look	Ctrl+G	Add child node	ENTER	Enter to add	ESC	Reset visual appearance	Ctrl+C	Add sibling node	Shift+ENTER	Enter to add	Ctrl+D	Export map	Ctrl+V			Enter to add				Function	Shortcut	Description	Shortcut	Function	Shortcut	Node right		Open right node	Ctrl+V	Load selected	Ctrl+V	Node left		Open left node	Ctrl+L	Save map	ES	Node up		Open up node	Ctrl+U	Help user manual	Ctrl+F1	Node down		Open down node	Ctrl+D	Hide window	Ctrl+H	
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The fifth session covered the concept making software freemind. Free mind is an Open Source Software widely used in making concept maps. It is widely used for tracking projects; for developing collection of notes (a knowledge base); in essay writing and brainstorming; develop a small database. Organization of any kind is facilitated by Free mind. It can be easily downloaded and needs Java environment to work. The installation is simple as is the interface of the software Free mind. The concept of parent, child and sibling nodes was explained to participants. The creation of nodes; formatting the nodes; developing concepts at various levels; Hide-unhide the levels; adding icons, picture, hyperlink to nodes was also shown. Participants were given time to learn these on their laptops.

The first day ended with lot of excitement among participants as they could find their way in Free mind and were full of ideas to use this software.

2nd Day 1st Session: 10.00 am to 11.30 am

<p>Multimedia components: Audio- Audacity Video; Mobile/camera and Group Work</p>		<p>Participants will be able to</p> <ul style="list-style-type: none">• install audacity and develop audio using Audacity for their e-content• develop video using camera/mobile for their e-content
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The second day first session or the workshop's sixth session was about the development of audio for the e-content through the use of an open source software called Audacity. Audio and video play an important role in making teaching learning process effective. It breaks the monotony of class room environment and motivates both teachers and students. Audacity is an easy-to-use, free and open source, audio recorder which may be used for recording and editing audio resources. Audio resources may be developed in many formats like Interview; Discussion; Lecture; Speech; Poem; Story Telling; Reminiscences/memoires, etc. Audacity is a powerful software with audio capabilities of professional recording. Some of the activities done in the session were record and save file as .aup and export it to mp3 format. Labeling audio and exporting multiple after labeling was also covered. The skills of cut, copy, paste, were explained. The amplification, change in pitch, tempo, fade in/fade out, trim & silence were covered. Also how to set timer, append record and mix and render were discussed in the session. Another important feature which was appreciated by all was the noise reduction. All these were practiced by the participant.

2nd Day 2nd Session: 11.45 pm to 1.15pm

<p>Wikieducator: Developing content collaborative way and Group work</p>		<p>Participants will be able to</p> <ul style="list-style-type: none">• create account on wiki educator• do basic editing on Wiki
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The second day second session or the seventh session of the workshop was introduction to developing e-content the collaborative way through Wikieducator. Dr Anirban Ghosh began with emphasis on the wiki and its wide applicability. He demonstrated how community contributes in development of content on Wikipedia, Wikimedia and Wikieducator. He took the example of Wikieducator and showed how to make account and the importance of being a part of wiki community for design and development of teaching learning resources i.e. e-content. Participants explored the Wikieducator site and made account on Wikieducator. The concept of user page and how resources are build up collaboratively was shown by the resource person.

The details of the workshop were uploaded on Wikieducator site and can be accessed from https://wikieducator.org/NSOU-CEMCA_Workshop_on_Capacity_Building_Workshop_on_e-Content_Development

2nd Day 3rd Session: 2.00 pm to 5.30pm

<p>eXe- E-content Developing Tool and Group work</p>		<p>Participants will be able to</p> <ul style="list-style-type: none"> • install eXe • create pages on eXe • insert multimedia components in eXe
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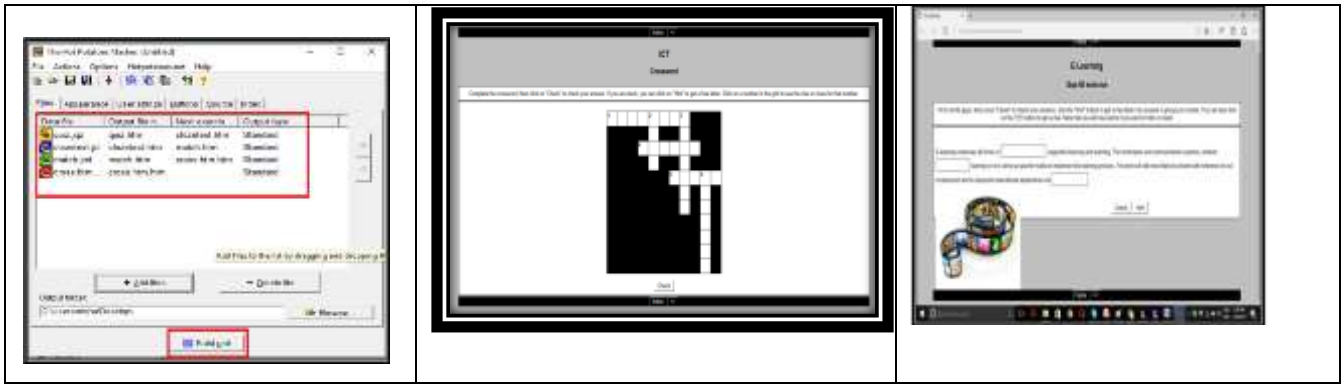
<p>WHY EXE ?</p> <ul style="list-style-type: none"> • Most content management and learning management systems utilize a centralized web server model thus requiring connectivity for authoring. This is limiting for authors with low bandwidth connectivity or no connectivity at all. • eXe has been developed as an offline authoring tool without the requirement for connectivity. 		<p>I-DEVICES: Non-Interactive</p> <ul style="list-style-type: none"> • Interactive Activities • Non-Interactive Activities <ul style="list-style-type: none"> • Activity • Case Study • Reading Activity • Reflection • Non-Textual Information • Textual Information
<p>Dr Nisha Singh</p>		

The second day third session or eighth session of the workshop was on eXe - eLearning XHTML editor (eXe). It is an authoring environment to assist teachers in the design, development and publishing of web-based learning and teaching materials without the need to become proficient in HTML or complicated web-publishing applications. Many content management and learning management systems do not provide an intuitive WYSIWYG (What You See Is What You Get) environment where authors can see what their content will look like in a browser when published. Also most content management and learning management systems utilize a centralized web server model thus requiring connectivity for authoring. This is limiting for authors with low bandwidth connectivity or no connectivity at all. eXe has been developed as an offline authoring tool without the requirement for connectivity. Especially when working offline. eXe's WYSIWYG functionality enables users to see what the content will look like when published online. eXe has many categories of instructional devices(i-devices) like interactive; non-interactive; textual; non-textual; experimental, which have many more i-devices under each category. All i-devices were demonstrated by the resource person and participants were given opportunity to practice different i-devices for their e-content.

Day 3: 20th May, 2017

3rd Day 1st Session: 10.00 am to 11.30 am

<p>Online Assessment: Hot Potatoes and Group work</p>		<p>Participants will be able to</p> <ul style="list-style-type: none"> • install Hot potatoes • develop quiz using Hot potatoes containing multiple choice; Fill in blanks. Match the following; crossword, mix and match
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The first session of the third day or the ninth session of the workshop focused on online assessment. Hot Potatoes which is freeware was chosen. The Hot Potatoes suite is a set of six authoring tools which enable authors to create interactive Web-based exercises of several basic types. Multiple choice/multiple select; cloze; match; mix and crossword. The Masher is able to integrate all these exercises in one complete package to be delivered over web.

The exercises are standard Web pages using XHTML and an author can create it without knowing anything about XHTML or JavaScript. All one needs to do is to enter data -- texts, questions, answers etc. -- and the programs will create the Web pages. Then author can post them on the Web site. However, the programs are designed so that almost every aspect of the pages can be customized, so if author does know HTML or JavaScript code, he/she can make almost any change in the format of the exercises and Web pages.

3rd Day 2nd Session: 11.45 am to 1.15pm

<p>Development of E-content in groups</p>		<p>Participants will be able to</p> <ul style="list-style-type: none"> • develop e-content using the tools taught : Audacity, eXe; hot potatoes
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The second session of the third day or the tenth session of the workshop was dedicated to the development of e-content by the participants. The participants were divided in five groups and worked on e-content which was showcased in the last session.

S. No.	Group	Topic of e-content	Participants
1.	A	'One Belt One Road'(OBOR)	Ms. Sampurna Goswami
			Mr. Binayak Chanda
			Dr. Piku Chowdhury
			Dr. Papiya Upadhyay
			Ms. Kasturi Sinha Ghosh
2.	B	Research Promotional Agencies	Dr. Manoj Kr. Halder
			Prabir Naskar
			Dr Madhusri Ghosh
			Arijit Ghosh
			Dr. Sintu Ganai
			Dr. Bandana Das
			Srabanti Choudhuri
3.	C	Montessori Environment	Mr. Prabir Kumar Dey
			Mr. Ashish Mandal
			Mr. Satyaki Dey
			Ms. Mithu Mondal
			Ms. Ajifa Pal Chowdhury

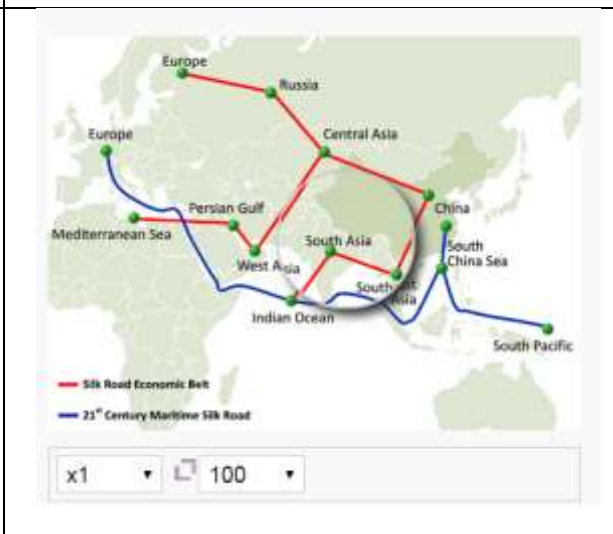
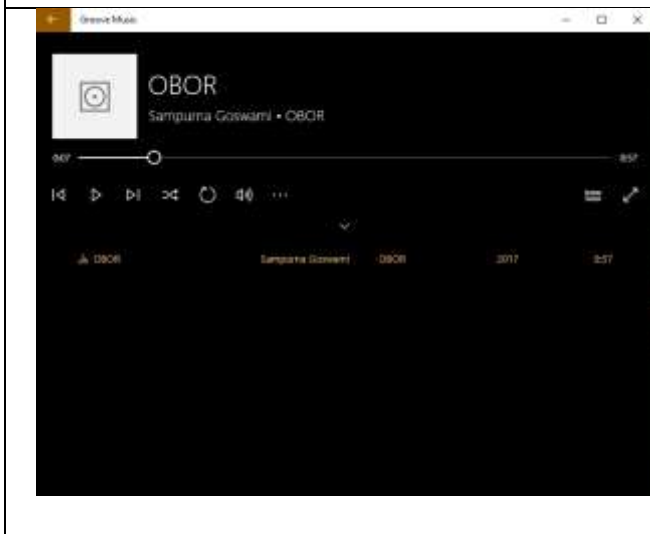
			Ms Asima Paul
			Smt. Sipra Raha
4.	D	Rajasthan	Mr. Pradip Ghosal
			Ms. Sujata Das
			Ms. Asmita Das
			Ms. Syed Gulshis Sabnam
			Mr. Ranjan Biswas
5.	E	Accounting	Mr. Mizanoor Rehman
			Ms. Barnali Roy Choudhury
			Ms. Najnin Jahan
			Mr. Hillol Ghosh

3rd Day 3rd Session: 2.00 pm to 3.00pm

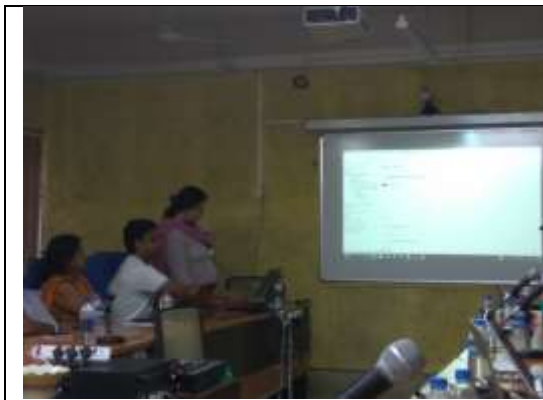
Group Presentations and Certificate Distribution:

Group 'A: 'One Belt One Road'(OBOR)





Group B: Research Promotional Agencies



File Attachments

Audio Lecture.

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1.1 Objectives



Preknowledge

Thus research can be defined also as:

- To discover new knowledge
- To challenge an established theory and
- To understand phenomenon and propose a probable solution

2.3.1 Project Work



Case Study

Choose any one of the topics for your case study and submit a short report within 15 days.

- DST (Department of Biotechnology)
- DST (Department of Science and Technology)
- VGST (Vigyan Group of Science and Technology)
- Dept. of AYUSH (Department of Ayurveda, Unani, Siddha and Homoeopathy System of Medicines)
- ICMR (Indian Council of Medical Research)
- UGC (University Grants Commission)
- CSIR (Council for Scientific and Industrial Research)

The guidelines to be followed are as follows:

? Multi-choice

UGC stands for what?

- University Grants Commission
- University Grade Commission
- University Grade Committee
- Universal Grade Commission



? True-False Question

ICSSR stands for Indian Council of Social Science Research

- True False



Image Gallery



Group C: Montessori Environment



1.2 EXERCISES OF PRACTICAL LIFE



x1



100

1.5 Mock Test

? True-False Question

Color of Milk is White.

True False



? Multi-select

Montessori student age between ?

- 1 to 5
- 1 to 10
- 2 & 1/2 to 6+

Show Feedback

Group D: Rajasthan




Authoring Properties

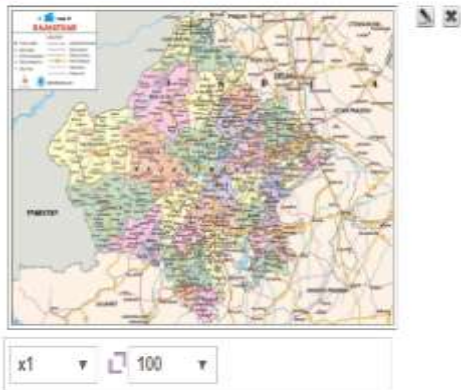
introduction

 **Cloze Activity**

Read the paragraph below and fill in the missing words...

map of the state



thanks giving

 **File Attachments**

- ▶ duck.mp3 (New Window)
- ▶ (New Window)

Group E: Accounting



File Attachments



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Close View



Principle & Practices of Management (CC BY-NC-SA)



Activity1: Journalise the following transaction

1. Sanjoy started business with cash Rs.15,000
2. Goods purchased in cash for Rs.5000 from Ratan

■ Goods sold in cash for Rs.8000 to Ram

1. Machinery purchased for Rs.4500
2. Salary paid for Rs.500
3. Discount received Rs.250.

■ Goods purchased from Ratan for Rs.2500 on credit

■ Goods sold to Ram on credit for Rs.3000

1. Cheque paid to Ratan for Rs.1500
2. Cash received from Ram Rs.2000

Certificate Distribution:



Feedback:

Feedback is information about reactions to a product, a person's performance of a task, etc. which is used as a basis for improvement. Feedback can be both positive and negative, which provide valuable information that can be used to make important decisions. Feedback is used to adjust and improve current and future actions and behaviors.

Feedbacks are an important phase of any workshop. Feedback form was given to participants for getting their responses to the workshop. The obtained data is analysed and is presented below:

A. Demographic Profile:

Table A-1: Gender Profile of the Participants		
S. No.	Gender	No. of Participants
1.	Female	16
2.	Male	12

Gender Profile of the Participants

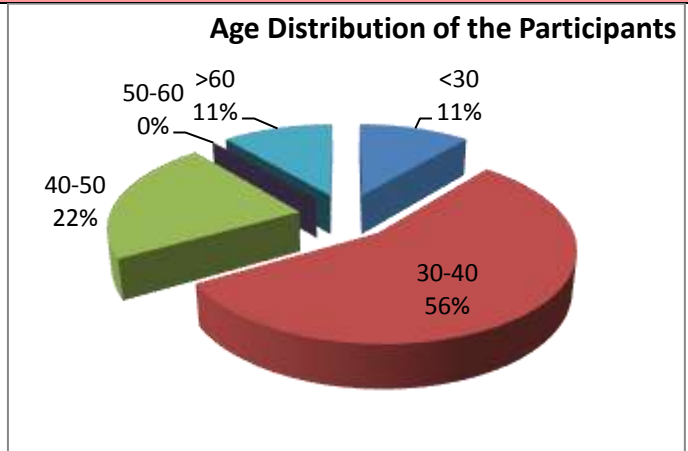
Male 43%

Female 57%

The above table A-1 shows that more than half i.e. 57% of the participants were female whereas the 43% of participants were male. This shows the interest of women faculty engage in capacity building exercise and to learn technology. Also the educational institutions are encouraging their female faculty members to build their capacity to develop e-content. This seems to be a positive step forward.

Table A-2: Age-wise Profile of the Participants

S. No.	Age Group	No. of Participants
1.	<30	3 (11%)
2.	30-40	15 (56%)
3.	40-50	6 (22%)
4.	50-60	0 (00%)
5.	>60	3 (11%)



As is clear from the table A-2 that more than half i.e. 56% of the participants were from age group 30 to 40 years. Followed by 22% from the 40 to 50 years. The below 30 and above 60 years were represented by 11%. Thus it can be concluded that the age group of 30 to 40 is more keen to learn technology and engage in capacity building activities. The educational organization are also deputing them for learning new technologies to enhance their productivity.

B. Usefulness of the Sessions

Table B: Usefulness of the Sessions						
S. No.	Session	Usefulness				
		Excellent	Very Good	Good	Average	Poor
1	E-Content: Types	17	8	2	0	0
2	OER: Introduction; Searching for OER	14	10	3	0	0
3	Instructional Design: AIDDE	16	9	2	0	0
4	E-content Scripting	10	11	6	0	0
5	Concept Mapping using Free mind	19	8	0	0	0
6	Multimedia components: Audio-Audacity	16	8	3	0	0
7	Wikieducator: Developing content collaboratively	17	9	1	0	0
8	eXe- E-content Developing Tool	18	7	2	0	0
9	Online Assessment: Hot Potatoes	15	7	5	0	0
10	Presentations: Individual/Group	16	7	4	0	0

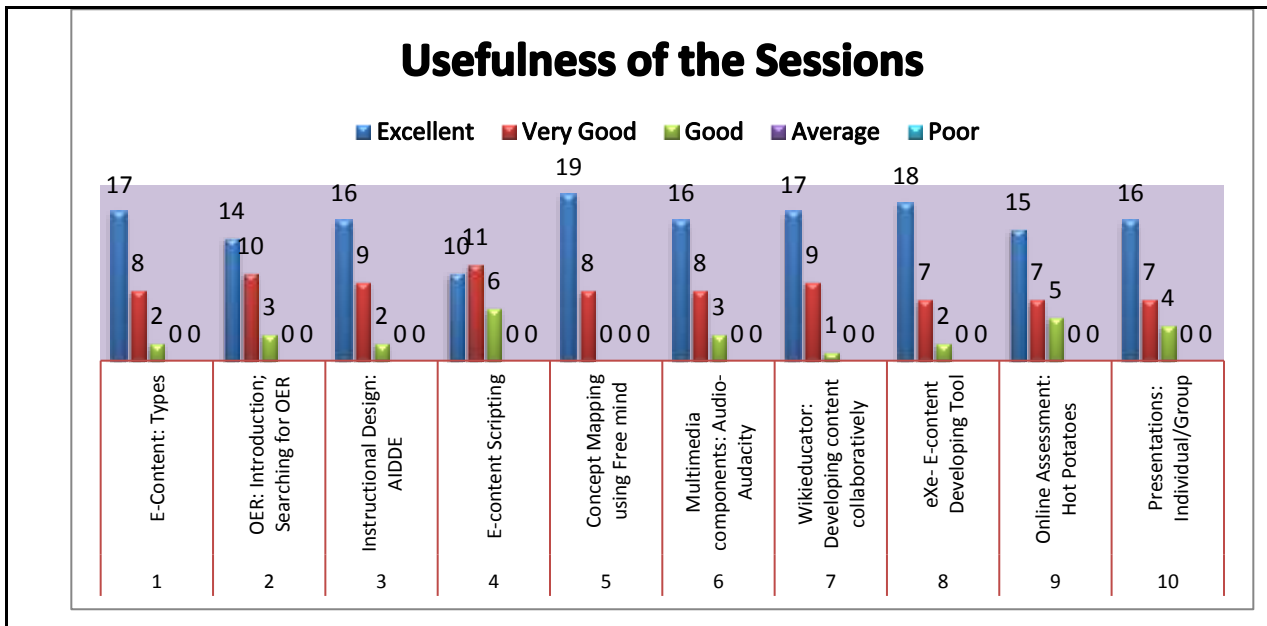


Table B above shows that most of the participants found almost all the sessions to be extremely useful as indicated by excellent as response. It is only the fourth session of e-content scriptwriting where more participants found the session to be very good (10) than excellent (11). No one had any doubt about the usefulness of the workshop. Thus we can conclude that all the participants had positive opinion about the usefulness of the e-content.

C. Duration of the Workshop:

Table C. Duration of the Workshop		
	Yes	No
Was duration of workshop sufficient?	18	9

Was Duration of the Workshop sufficient?

No 33% Yes 67%

Table C shows that 67% of the participants considered that the duration of the workshop to be sufficient and okay and 33% found the duration of the workshop to be not sufficient. The reason could be that quite a high number of learners were in less than 40years age and thus more technology oriented with quick grasp. They took less time learning new software. Another reason could be that the faculty members by

and large do not want to leave their work place for longer duration as well as institutions do not want their faculty members to be away for longer duration as it hinders the work of the institution.

Though many of participants did express desire for longer duration workshop later in comment section of the feedback form.

D. Experience during the Workshop

Table D. Experience during the Workshop						
S. No.	Workshop Sessions	Very Satisfied	Satisfied	Average	Dissatisfied	Very Dissatisfied
1.	Objectives were stated in beginning	19	8	0	0	0
2.	Sessions were completed on time	9	17	1	0	0
3.	Adequate hands-on was provided	16	11	0	0	0
4.	Interaction in the workshop sessions	15	12	0	0	0
5.	Outcomes of the workshop	23	4	0	0	0
6.	Infrastructure for the workshop	23	3	1	0	0
7.	Internet connectivity during the workshop	19	7	1	0	0
8.	Logistics during the workshop	19	8	0	0	0
9.	Organization of the workshop	23	3	1	0	0
10.	Overall experience of the workshop	23	3	1	0	0

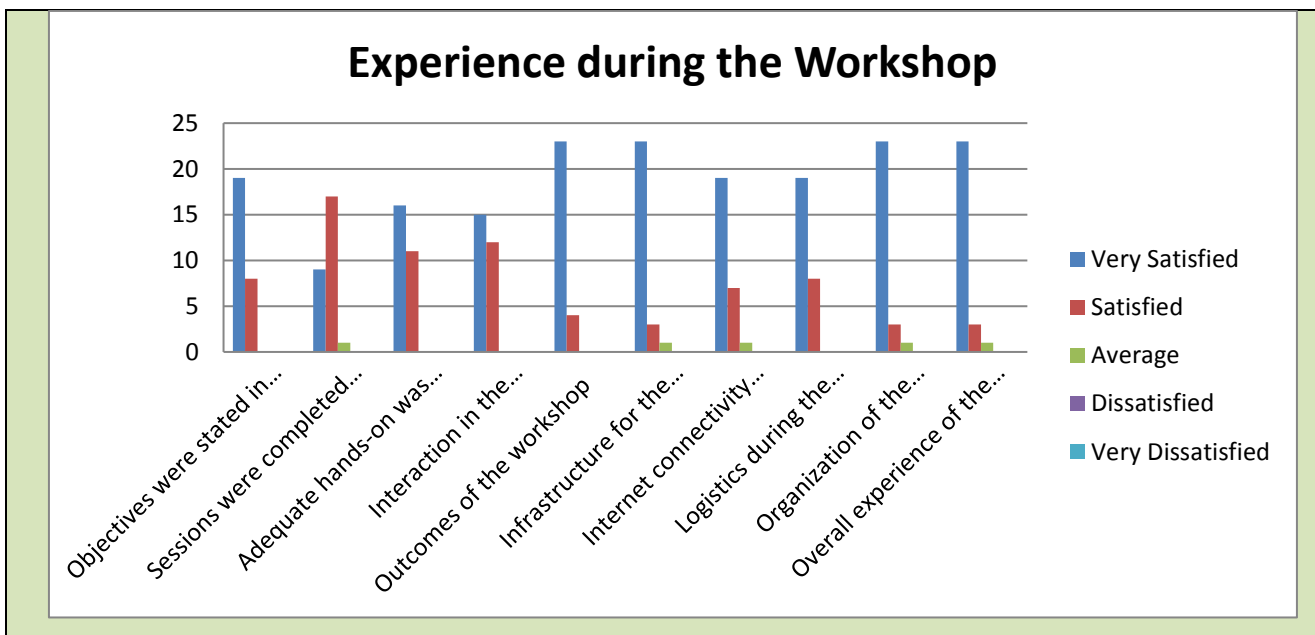


Table D above shows that most of the participants were very satisfied with almost all the aspects of the workshop like objectives, hands-on. It is only the second aspect of session related to timings where more participants found the session to be satisfied (9) than very satisfied (17). The session timings aspect had some little less satisfaction than other sessions. This could be due to the fact that the session time was made flexible according to the pace of learning of the participants and organizers did not stick to session timings as mentioned in schedule. Thus we can conclude that all the participants found the administration and management of the workshop very satisfactory.

E. Views on Role of E-content in enhancing reach to learners.

When asked whether they think that e-content will increase our reach to our learners, all participants responded in affirmation and felt that it will increase the reach to learners in especially in ODL system. It is also a national Agenda and thus should be used to reach different sections for skilling India and promoting livelihood. Increasing presence of technology makes it essential to have e-content and teachers should know how to make it. E-content should integrate all media text, audio, video, animation etc. The license of e-content is also important and creative common license should be carefully and responsibly used.

The role of content developer becomes very important. The interactivity and attractiveness of e-content motivates learners to learn. One of the participant expressed it nicely " Definitely e-content concept is very much relevant in open and distance learning scenario. It facilitate the entire educational system with a great

accessibility irrespective of time, pace and place. It is more over promoting learner centric education rather than institute centric education."

F. Suggestions for Improvement of the Workshop for

NSOU: All the participants appreciated the infrastructure at NSOU for the workshop. The sincere efforts of the organizers was univocally praised by all participants as well as the resource persons. Organisation of the workshop at regular intervals was some of the suggestions for NSOU. Also request for Pre-workshop through online was given. One of the participants commented that "NSOU has been doing tremendous job. Not only has it emerged as a temple of education in West Bengal of open distant learning but also as leading Open University in West Bengal". The role of NSOU is very commendable.

CEMCA: CEMCA's initiative was appreciated by all participants. CEMCA has been very supportive of the organization of workshop for capacity building. One of the participant - recommended online pre-workshop activities for more enriched experience. Another participant commented "It is very nice to participate in this workshop. Find myself enriched with lots of skills and knowledge in development of e-content. Hope to participate in such type of workshop if organized in future."



Appendix 1. Inauguration Schedule



International Capacity Building Workshop on e-Content Development

Jointly organized by
School of Vocational Studies, Netaji Subhas Open University and
Commonwealth of Learning – Commonwealth Educational Media Centre for Asia
(COL-CEMCA)

Date: 18-20 May 2017; **Venue:** Seminar Room, NSOU

Registration: 10.30am

Inaugural Session

11.00am: Welcome Address by *Dr. Anirban Ghosh*, Officer-in-Charge, School of Vocational Studies

11.10am: Inaugural Address by *Dr. P.K Das*, Member Secretary, WB State Council of Higher Education and Ex.MD of WEBEL.

11.25am: Keynote Address by *Mr. Anirban Guha*, Ex Dy. Director of CDAC and former Sr. Scientist of BARC

11.50am: Address by Resource Person, *Dr. Nisha Singh*, Dy. Director, Inter University Consortium for Technology Enabled Flexible Education and Development (IUC-TEFED), IGNOU

12noon: Presidential Address by *Professor Subha Sankar Sarkar*, Vice-Chancellor, NSOU

12.15pm: Vote of thanks by *Smt. Kasturi Sinha Ghosh*, Asst. Professor, NSOU

Tea Break

Appendix 2:

List of Participants



**Workshop on “Capacity Building Workshop on e-Content
Development”**



Organised by:



School of Vocational Studies, Netaji Subhas Open University (NSOU) sponsored by Commonwealth Educational Media Centre for Asia-Commonwealth of Learning (COL-CEMCA)

Date :





18-20 May 2017





Venue :





Board Room/ Seminar Room, NSOU





S. No.	Name	Photo	Designation	Contact No.	E-mail
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