CONSORTIUM FOR EDUCATION COMMUNICATION FOR E- LEARNING

Gunjan Gupta

Assistant Librarian , Rem-Eesh Institute of Education.

Abstract:-In this paper discuss about the CEC (Consortium for Education Communication) and their activities and programmes in the field of higher education needs for academic communities and academic users. Through this paper introduce how to work CEC is engaged in dissemination e-education through various modes of information and communication technologies (ICT) since more than two decades. CEC provider of educational progarmmes through broadcast as well as non-broadcast modes and its produced of education progammes by the Audio/visual and web based and related support material. CEC conduct or organized the annual documentary film festival under the title "Prakriti" and it is open to UGC/CEC media centers and University/ Academic/ Education organization of India in respect of all categories, Its conduct various event like Life Time Achievement Award in educational communication, project of the NME-ICT, EDUSAT network, LMS, e-Education, EMMRC, Vyas higher education channel, e-knowledge resources in the e-era.

Keywords: CEC, Consortium, E-Learning, E-Education, EMMRC, EDUSAT network, LMS, e-knowledge, UGC, etc.

1.1 INTRODUCTION

A library consortium is a group of libraries who partner to coordinate activities, share resources and combine expertise. The library consortium is a network for buying and accessing e-information in a cooperative arrangement among a group of libraries in providing instant access to greater resources for the users of the individual libraries. The same way this paper introduces the CEC (Consortium for Education Communication) is present the E-education in Indian scenario. The consortium for Educational Communication popularly known as CEC is one of the Inter University Centers set up by the university Grant Commission of India. It has been establish with the goal of addressing the needs of Higher Education through the use of powerful medium of Television along with the appropriate use of emerging Information Communication Technology (ICT). Realizing the probable and power of television to act as means of Education Knowledge dissemination, UGC started the countrywide Classroom Programmes in the year 1984. For the production of such programmes Media Centers were set up at Six Universities. Subsequently CEC emerged in 1993 as a nodal agency to coordinate, guide and facilitate such Educational production at National level. Today 22 media centers are working towards achieving this goal under the umbrella of CEC. CEC consortia transmits 24X7 VYAS Higher Education Channel based on education content produced on various undergraduate subjects to supplement the classroom teaching. CEC, with its 22 media centers located in various universities and Institute across the country produces courseware e-content based on UGC model curriculum under the ambitious project of MHRD – National mission on managed through ICT (NME-ICT). The worldwide e-courses being run by CEC are now better managed through

Gunjan Gupta, **"CONSORTIUM FOR EDUCATION COMMUNICATION FOR E- LEARNING",** e-Library Science Research Journal | Volume 3 | Issue 1 | Nov 2014 | Online & Print

1

personalized Learning Management System (LMS) which can be used by universities, colleges and students as a supplement material to the conventional teaching system. The integrated website of CEC is a multi-platform website which integrates webcasts, broadcasts and simulcasts. Further, the payment Gateway embedded in the website will facilitate users to register online for various activities being organized by CEC such as e-courses, seminars and conventions buying education DVDs etc.
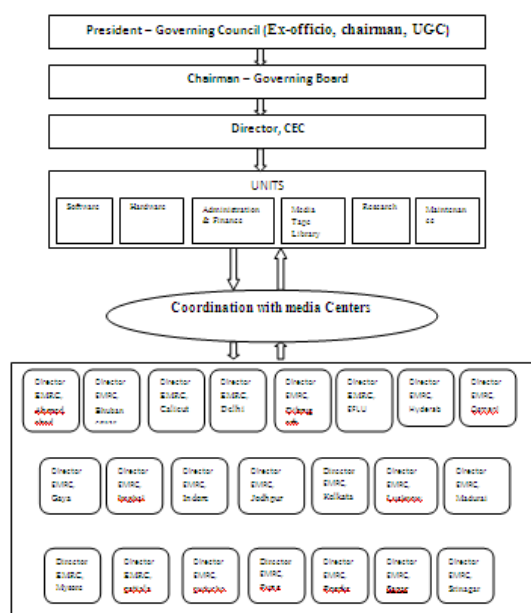
OBJECTIVES OF CEC:

Close coordination, facilitation, overall guidance towards the activities of the Media Centers set up by the UGC in various universities throughout the country. Dissemination of Educational programmers through broadcast as well as non-broadcast modes. Production of Education programmes (like Audio/Visual and Web Based) and related support material further setting up appropriate facilities for such production. Research activities related to optimizing the effectiveness of such programmes. Provide a forum for the active involvement of academic and other scholars in the creation of appropriate educational programmed. Studying, promotimg and experimenting with new technology that will increase the reach or effectiveness of educational communication.

GOVERNANCE OF CEC

The Apex body of governance of CEC is governing council which takes decision with regard to the policy matters and larger issues concerning the development of the consortium for Educational Communication. The Governing Council is headed by chairman, University Grant Commission as Ex-officio president of the Council. The executive decision making body is Governing Board and Chairman of the Governing Board is nominated by the President of the Council and Director of the Consortium for Educational Communication is the Member secretary of the Governing Board. There is Technical Advisory Committee (TAC) TAC takes decision with regard to hardware and software aspects. The committee is headed by the director of consortium form educational Communication and financial decision are taken by Finance Committee.

ORGANIZATIONAL CHART OF CEC

Event of CEC

Annually CEC organizes video Competition and Prakriti is an annual film festival on environment, human right and development. Video Competition is an annual competition meant to nature within media centers and other educational institutes in the country.

National and International conventions, conference in the field of education and communication are the main academic events organized by CEC. CEC regularly organize various capacity building programmes, technical and production related training, workshops on issue concerning to media, web enabled learning production strategies, administration and accounts etc.
Annual event: Prakriti Film Festival

CEC has been organizing the annual documentary film festival under the title "Prakriti" since 1997 at various places of India.

Prakriti festival is planned as annual media event that congregates filmmakers, student's academicians, administrators, development workers and media. The Festival reflects the crosscutting worlds of ecological challenges and economic opportunities, environmental perspectives and developmental objectives, grass root voices and indigenous choices, environmental protection and natural resources degradation, gender sensitivity and human rights.

Video Competition

The annual UGC-CEC Educational video Competition is meant to nature, encourage and recognize excellence in educational video programme production in its Media Centers and other Educational Institutions in the country. It is open to UGC/CEC Media Centers and University/ Academic/ Educational Organizations of India in respect of all categories. The awards contain cash prize, a trophy, which is stylized from of veena and a certificate of excellence.

Award Categories: Awards is given in the following categories.

(a)Best Educational Programme of the year.
(b)Best E-Content Programme of the year.
(c)Best Formative Research.
(d)Best script.
(e)Best Camera Work.
(f)Best Editing.
(g)Best Sound.
(h)Best Graphic/ Animation/ Special Effects
(i)Best Programme for animation.
(j)Best video production for animation
(k)Best video production of the year by students studying in mass Communication, Journalism, Film/ TV and allied professional courses in an Indian Educational Institution.

Life Time Achievement Award: CEC institute an award for Life Time Achievement in Education

and beyond which has been named as "Vikram Sarabhai Award". Till date this award has been given to Fr. Gaston Roberge-Eminent Media Personality, Prof. Yash Pal- Eminent Educationist, National Professor, Prof. Vijaya Mulay, Eminent Media Personality, Mr. Kiran S. Karnik, former President NASSCOM, Mr. Shyam Benegal-Eminent Film maker, Prof. J.V. Narlikar-Eminent Astrophysicist, Prof. A. Balasubramaniam-Director, Culture and Culture Relations, Pondicherry University and Sh. Sam Pitoda-Advisor, Prime Minister of India and Er. Sridharan, Metroman.

NME-ICT Project: About NME-ICT Project

The National Mission on Education through ICT is a project of MHRD which provides a momentous opportunity for all the teachers and experts in the country to pool their collection wisdom for the benefit of every Indian learner and, thereby, reducing digital divide. Under the mission, a proper balance between content generation, research in critical areas relating to imparting of education and connectivity for integrating our knowledge with the advancements in other countries is to be attempted. CEC, as an active partner, is engaged in generation of e-content courseware for undergraduate subjects under the plan project of NME-ICT of MHRD.

The MHRD vide its communication dated 31st March 2009 has communicated approved on the project proposal submitted by CEC on "development of Courseware e-Content for Undergraduate." The CEC in its project Report submitted to MHRD had indicated that e-Content courseware in 19 subjects (Phase-I) will be produced in collaboration with Media Centers and e-Content courseware in 68 subjects (Phase-II) will be production with the assistant of production agencies other than Media Centers.

CEC's EDUSAT Network

EDUSAT is the satellite exclusively devoted to meet the demands of educational sector. It was launched on September 20, 2004 by India Space Research Organization (ISRO) to meet ever increasing demand for an interactive satellite-based distance education system for the country. It has revolutionized classroom teaching through IP based technology. EDUSAT has five KU band (Ku band is a portion of the electromagnetic spectrum in the microwave range of frequencies. This symbol refers to "K-under" {original German: Kurz-unter}-in other words, the band directly below the K-band. Ku band is primarily used for satellite communication) transponders providing spot beams, one Ku beam transponder providing national beam and six extended C-band transponders providing national coverage beams.

Consortium for Educational Commission (CEC) is one amongst the five primary users of this educational satellite. ISRO has adjudged the CEC as "the best EDUSAT National Beam User" in July 2008. At present, there are over hundred Satellite Interactive Terminals (SITs) and Receive only Terminals (RoTs) under CEC EDUSAT network, installed at various colleges, Academic Staff Colleges and Universities across the country. Many more are being added with the purpose of providing quality higher education to the remote areas through satellite network. CEC EDUSAT network is empowering students through cutting edge technology and caters the needs of students across the country.

EDUSAT live transmission

CEC EDUSAT network has done exceptionally well in the past and has won many laurels since it began live transmission on 5th September 2005. In the live transmission, CEC acts as the teaching end. Subject Experts deliver lectures live. These lectures are received by various SITs and RoTs. They are known as Class Room End. The Teaching End can be shifted from one SIT to another. Thus, the students can benefit from experts located in various Educational Institutions across the country.

The Expert can address the queries of the students in the live mode. The students can interact and ask questions using the following three methods:
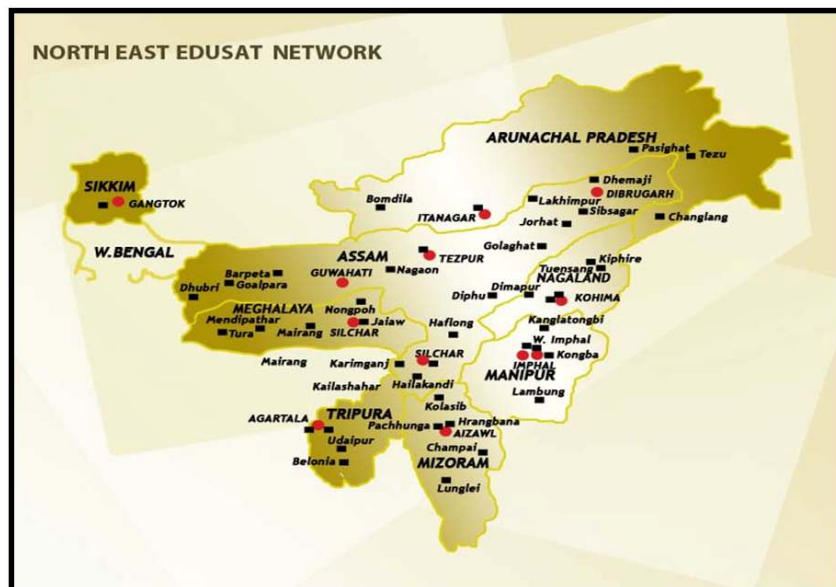
(a)Audio Video Conferencing
(b)Text Mode
(c)Through Telephones

The recorded lectures delivered during the EDUSAT transmission are available on YouTube.

CEC EDUSAT Network in India:

CEC EDUSAT Network in North – East India

SELECTING A PROGRAMME FOR PROCURING

Mention following information about the programme(s) users wish to purchase and write to:

The Director
Consortium For Educational Communication
NSC Campus, Aruna Asaf Ali Marg, New Delhi -110067
e-mail : info.cec@nic.in

1.Video Programmed:
Subject
Title
Duration   Year of production   Master Number
An Example:

PHILOSOPHY

A TOUR ROUND THE PHILOSOPHY OF SCIENCE
        00:21:11   1988   EHYD 6311

2.Cost of Programmed:

The Programmed are available in DVD format.

(A) Individual Programmed

First 3 programmed will cost Rs. 50/-.
Subsequently per programme will cost Rs. 25/-.

(B) Series

(i)Series upto 5 programme: Rs. 100/-
(ii)Series upto 10 programmes: Rs. 200/-
(iii)Series upto 15 programmes: Rs. 300/-
(iv)Series upto 20 programmes: Rs. 400/-
(v)Series upto 25 programmes: Rs. 500/-
(vi)Series beyond 25 programmes: Rs. 25 will be charged per programme

(C)International Buyers:

Rs. 1000/- per programme (postage included)

3.Purchase Procedure

       On receiving the request for programmed, an invoice will be generated and sent to prospective buyer. The buyer needs to send a confirmation along with a dd/Pay Order (in favour of Director, CEC) as per the invoice. On getting confirmation and the DD/Pay Order, will be processed and dispatched to the client within a month's time.

LMS (Learning Management System)

       CEC's learning management system (LMS) caters to educational requirements of the country and world over. The CEC provides various worldwide e-courses through its Virtual Learning System (VLS) for the masses across the country and be used by universities, colleges and students as a supplement (add-on) material to the conventional teaching system. This will certainly help to increase the GER percentage of the country.

e-Education

e-Education is synonymous to e-learning. This is essentially the computer and network-enabled transfer of skills and knowledge. E-learning applications and processes include wed-based learning, computer-based learning, virtual education opportunities and digital collaboration.

Realizing the importance and ever growing reach of the worldwide web, CEC has initiated the production of e-content. This is the digital content be transmitted over the computer network. The programmed produced are being transformed into the digital content in varied subject categories. This content could be made accessible to the vast population of students and academic faculty overcoming the geographical barriers of time and space. The e-Content and unique Learning Object Repositories (LORs) are a step towards achieving the goal of providing Higher Education with equity and quality.

e-Content: Subject streams for e-Content

1. Art/ Culture/ Literature/ Language
2. Social Science
3. Management and other professional Courses
4. Natural and Applied Science and Engineering & Medical Science

To search and select your content below:

Select Stream : | -- Select -- ▼ |

Select Subject : | ▼ |

LOR: Leaning Object Repository

Keyword: | |

Subject: | -- Select -- ▼ | -- Select --

Learing Objects: | ▼ | -- Select --

[Search]   [Reset]

EMMRC: Educational Multimedia Research Centers

The UGC set up media Centers in various universities and institutions in the country with the objectives to produce in-house quality educational programmed for electronic media. The Centers are engaged in production of Video & Multimedia based programmed. CEC and the Media Centers have more than 500 trained manpower and state of the art equipment. CEC has perhaps the largest repository of Educational Video programmed being produced by its Media Centers, numbering more than 20,000. At present about 2000 Video based programmed and almost same number of e-Contents. These programmes are telecast on VYAS Higher Education Channel. CEC in its media center circuit is having 22 centers across the country.

VYAS Higher Education Channel

CEC has established and is running an exclusive 24X7 CEC-UGC Higher Education Satellite Channel of MHRD called. The 24X7 transmission is based on educational content produced on various undergraduate subjects to supplement the classroom teaching. The advantages of having such channel is that education can reach to large number of viewers across millions of house-holds. The knowledge and information gap which exists due to lack of communication in remote places gets bridged to a great extent through this to bridge the knowledge and information gap and to provide the same quality of higher education to all, the channel on higher education was launched on 26th January 2004.

The undergraduate educational programmes are being telecast on Vyas 24Hrs Higher Education Channel available on DD Direct Plus, a DTH platform of Doordarshan and also on Dish TV, a private DTH operator. To ensure the reach and availability of this channel throughout the country and globally, CEC is using the powerful medium of internet and I thus webcasting the channel. The channel is also available on www.web.gov.in/vyaslive

e-Knowledge resources: The Digital Media Library at CEC is a Central Repository of all the Educational Video Programmed produced by the Educational Multimedia Research Centers set up by UGC in the Universities and Institutions of Higher Education across the country. The Media Library houses all the Masters Tapes of the educational video programmed, e-Contents and LOR's produced on various subjects and is a storehouse of a wealth of knowledge.

CEC has a total collection of about 20,000 Educational Video Programmed on various formats like U-matic Cassettes, Betacam Cassettes, CD's, DVD's, Mini-DVD and PD's/OD's (Optical Discs) which consists of the categories of collections like enrichment video programmed, syllabus oriented programmed like the university video lectures, e-contents and LOR's which are available both in English and Hindi. The Digital Media Library adds about more than 2000 Video Programmed and e-Contents on various subjects and topics to its collection every year.
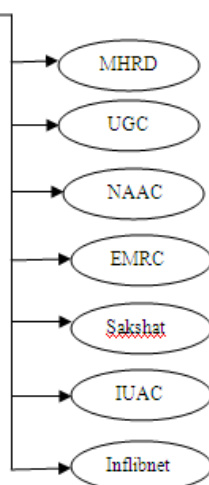
Categories of Media Library Collections:

❖ Enrichment Video Programmes

❖ University Video Course Lectures
❖ E-Contents on Under Graduate Subjects
❖ Video programmes on Under Graduate Subjects
❖ LOR's (Learning Object Repositories)

Its provide video programmes search, e-Content search, LOR search.

CEC provided related seven links

CONCLUSION:

The CEC provides e-learning models of Higher Education. This introduced to dissemination of educational programmes through broadcast as well as non-broadcast modes. The focus of CEC (Consortium for Educational Commission) provide various activities for Higher Education Courses through the E-Channel, Media Centers Library Projects, NEM-ICT, LMS, Broadcasts, DVDs and there Gateways. The CEC acts as a nodal agency to co-ordinate, guide & facilitate such Educational production at the National level. Since more than two decades CEC is highly disseminate e-Education through modes of Information and communication Technologies (ICT).

REFERENCE:

1. http://www.webcast.gov.in/vyaslive/
2. http://cec.nic.in/pages/content-Us.aspx
3. http://cec.nic.in/EMMRC/pages/default.aspx
4. http://164.100.128.18/lms/
5. http://164.100.28.114/lms/portal/iels/default.asp?whichTab=1 (join event)
6. Aarts, E., Harwig, R. Schuurmans, M. (2002). Ambient Intelligence. In P.J. Denning (Ed.), The invisible future, pp.235-250). New York: McGraw Hill.
7. Edwards, Eli (2004). "Ephemeral to Enduring: The Internet Archive and Its Role in Preserving Digital Media". Information Technology & Libraries 23
8. Ross, S (2000). Changing Trains at Wigan: Digital Preservation and the Future of Scholarship. London, UK: National Preservation Office (British Library).

Gunjan Gupta
Assistant Librarian , Rem-Eesh Institute of Education.