

The highest education is that which not merely gives us information but makes our life in harmony with all existence.

- Rabindranath Tagore

Festival
Valedictory Session
of All India Children's
Educational Audio
Video Festival 2018



ICT Mela
Director, NCERT
inspecting the
demonstration of
ICT Mela 2018



Myanmar Visit
Various initiatives
being introduced to
the delegates from
Myanmar



*Children must master
21st century skills...*







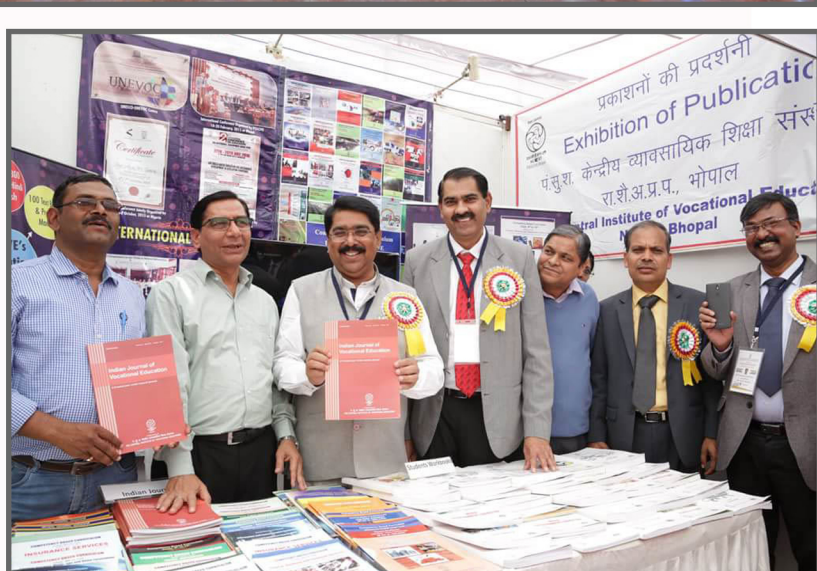
22nd AICEAVF ICT Mela 2018

21st to 23rd February 2018
Regional Institute of Education, Bhopal



२२वां अखिल भारतीय बाल शैक्षिक
श्रव्य-दृश्य महोत्सव एवं आईसीटी मेला २०१८

22nd All India Children's Educational
Audio - Video Festival & ICT Mela 2018



From the Joint Director's Desk

I am happy to write about CIET-NCERT newsletter and to make everyone aware the kind of activities that are being undertaken in our institution using educational technology ET, CIET and its related subsets. The objective behind all these activities is enhancement of understanding among students, teachers and teacher educators about various initiatives in ET, CIET etc. in the area of Research and Development, Training, Extension and dissemination. In this quarter, one such activity i.e. the 22nd All India Children's Educational Audio Video Festival (AICEAVF) and ICT Mela 2018 was organized from 21-23 February 2018. It is an annual event to celebrate development of digital contents and its dissemination among all its stake holders. The purpose behind this activity is creation and dissemination of quality digital contents for students, teachers, teacher educators, parents and all other stake holders to enhance the quality of school education. It facilitated the production agencies and individuals to send their entries. This year there has been 220 entries of audio-video and multimedia and ICT resources for the AICEAVF. The three days showcased the best of entries that were submitted among audio-video and multimedia resources. Similarly, 50 different stalls were put in ICT Mela showcasing latest ICT resources including e-contents, learning management systems, OER platforms and even offline and online solutions for using those e-contents in schools. Robotics and Maclabs were also demonstrated showing how Artificial Intelligence (AI) can be brought in the educational scenario. In all about 5000 persons participated in this Festival and Mela.

During this period we also organized several training programmes for in-service training of teachers in different parts of the country. Several initiatives have been taken up by our institution in collaboration of MHRD and we have been striving to utilize the technological know-how to augment the understanding and capacity building of teachers and teacher educators for a better infusion of technology in teaching-learning.

The primary mandate of CIET-NCERT is to produce

educational audio-video and multimedia contents and support such activities continuously. In this quarter nearly 33 audio and 11 video programmes were developed by the production team of CIET. Besides this, the team was also involved in covering various programme of MHRD and other NCERT constituents.

One of the primary reasons that NROER was conceived and developed was to inculcate the value of freedom among school children and teachers and propagate for creation, sharing of educational resources which are free and open. Keeping this in view, a repository of open educational resources was created. To keep pace with the technology while being grounded in its ethos it has been attempted to revamp NROER in this quarter. The new interface designed is not just a repository in the form of a digital library of huge amount of educational resources but, also a workspace, LMS for MOOCs and a place for social networking where ideas can be exchanged among the interested persons.

For a continuous professional development of internal faculty members, CIET is organizing presentations on ICTs and related topics under an "ICT Forum". I am happy that we have had seven presentations followed by discussions where, all the faculty members took part actively and contributed.

We hope that CIET-NCERT will continue to meet the challenges with aplomb and will keep our well-wishers and stake holders informed through our newsletter.

Amarendra P. Behera
Joint Director, CIET

Programme Proposals for Year 2018-19

Details of Academic Programmes and Activities undertaken in this quarter January-March, 2018.

Institutional Advisory Board and Programme Advisory Board Meeting:

The academic programme proposals taken up by CIET-NCERT are aimed at widening educational opportunities, promoting equity and improving quality of educational processes at the school level. There are mechanisms where academic proposals are discussed thoroughly at various stages. The proposals pass through a series of faculty meetings where, they are discussed. The second stage is where an Institute's Advisory Board (IAB) meeting is held and the proposals are put forward to them.

After suggestions are given by these members regarding each proposal the proposals are then modified and tabled before the Academic Committee of NCERT. Here again the proposals are subjected to discussions and the suggestions are given for improvement of proposals. At the end, academic proposals are finally placed and discussed at the Programme Advisory Committee (PAC) meeting of NCERT where, these are approved or disapproved. Therefore, all the programme proposals of CIET-NCERT have been approved by all these Committees and Boards. This year various meetings of faculty members took place in December, 2017 and January, 2018 with a 34th meeting of IAB on 19 January, 2018. Shri Virender Kumar, Director, Development and Educational Communication Unit (DECU)-ISRO, Space Applications Centre Ahmedabad; Shri B. Aburaj, Director, State Institute of Educational Technology, Kerala; Dr. Jayashree Shinde, Head, Department of Educational Technology (DET), SNDT Women's University, Mumbai and Prof. Bharti Baveja, Faculty of Education, Department of Education and Women Studies and Development

Centre, Delhi University were the Board members. The suggestions included: need for development of e-resources in regional languages, extemporization and conceptualization for development of these resources, emphasis on appropriate selection of media for e-resource developed, focus on ICT-Pedagogy integration and development of case-study based plans for developed e-resources to support teachers in understanding the use of e-resources along with pedagogy.

The Academic Committee meeting was held from 26-28 February 2018 whereas, the 55th meeting of the PAC of NCERT was held from 20-22 March 2018. The meeting was chaired by Prof. Hrushikesh Senapaty, Director, NCERT. Final observations and recommendations given by the PAC stated for CIET-NCERT were the following:

All e-content related programmes will come under the umbrella of the CIET. Mapping of all e-content developed by all the constituent units to be done by CIET and gap areas to be identified and distributed among the constituent units under the various programmes proposed for further development of e-content. Template for e-content to be provided by CIET to maintain uniformity. All courses are to be developed following the uniform course design and credit distribution. These courses must have potential to be developed as online course as the part of SWAYAM MOOCs platform launched by MHRD-Govt. of India. All online courses to be developed in the format of MOOC. CIET to organise capacity building programmes in the use of ICT (especially e-content development) for the NCERT faculty including DM School teachers at the earliest. The list of programme proposals approved for CIET-NCERT have been listed as below:

Programme Proposals for Year 2018-19 as Approved in PAC of NCERT

Sr. No.	PAC Code	Title of the programme	Type of programme	Category	Programme Coordinator
Research					
1	13.01	Analysis of Trends in ICT in Education	Research	New	Dr. Indu Kumar
2	13.02	ICT Integration for Enhancing Learning of Secondary Level Students in Rajasthan	Research	New	Dr. Ranjan K. Biswas
3	13.03	A study of the Status of viewing e- "Kishore Manch" Among Students of Secondary, Senior Secondary Level and Teachers	Research	New	Dr. Abhay Kumar
Development					
4	13.04	Development of e-resources for the school and teacher education	Development	New	Dr. Rajesh Kumar Nimesh
5	13.05	Development and Roll-out of ICT Curriculum for Teachers and Teacher Educators	Development	New	Dr. Angel Rathnabai
6	13.06	Publication of Bi-annual Indian Journal of Educational Technology	Development	New	Dr. Abhay Kumar
7	13.07	Publication of CIET Newsletter	Development	New	Dr. Abhay Kumar
8	13.08	Development and Dissemination of Educational Media Programmes	Development	New	Dr. Abhay Kumar
9	13.09	Development of Textbook in ICT at Secondary Stage (Class X)	Development	New	Dr. Abhay Kumar
10	13.10	Development of model for ICT integration school system- Phase II	Development	New	Dr. Angel Rathnabai
Training					
11	13.11	Development of ICT Integration Curricular Activities for Students	Development	New	Dr. Angel Rathnabai

12	13.12	Continuous Professional Development of NCERT Faculty Members on ICT in Education	Development	New	Dr. Ranjan K. Biswas
13	13.13	Orientation of various Stakeholders on Cyber Safety and Security	Development	New	Ms. Kunda Shamkuwar
Extension					
14	13.14	Development of Resources and Support for Web and Online Activities	Extension	New	Dr. A.P. Behera
15	13.15	Development of Resource-cum Activity Centre in ET and ICT in Education	Extension	New	Dr. Indu Kumar
16	13.16	Automation and Augmentation of CIET Library	Extension		Head, PRD
17	13.17	Resource Support for Attachment Training, Visitors of Local Schools and Teacher Education Institutions	Extension	New	Head, PRD
State Funded					
18	13.18	Third Party Evaluation of Implementation of ICTs @School Scheme in NCT of Delhi	Research	New	Dr. Indu Kumar
MHRD Higher Education Funded					
19	13.19	Development of Course Materials for MOOCs on SWAYAM (For Classes 9-12th, UG & PG courses in Education, Skill Development Courses)	Development	New	Dr. Mohd. Mamur Ali
For PAB Programmes Funded by MHRD (School Education and Library)					
20	13.20	Development and Dissemination of Digital Books	Development	New	Dr. Mohd. Mamur Ali
21	13.21	Development and Management of National Repository of Open Educational Resources (NROER)	Development	New	Dr. Indu Kumar
22	13.22	Organisation of Contents and Events in Media & ICT and Coordination with Institutes, States, UTs	Extension	New	Dr. Abhay Kumar
23	13.23	Organisation of ICT Award for School Teachers 2017 and Jury Meeting for the year 2018	Extension	New	Dr. A.P. Behera

Additional Programmes transferred from DER to CIET

24	12.01	A Study of Techno pedagogic analysis of selected media programmes of Science at secondary Level Produced by CIET	Research	On-going	Dr. Rajendra Pal
25	12.02	Development and launch of Online Certificate Course on Research Methodology in Education	Development	New	Dr. Rajendra Pal
26	12.03	Organization of Online Certificate Course on Action Research in Education	Training	New	Dr. Rajendra Pal
27	12.04	Online Survey of Research in Education	Extension	On-going	Dr. Rajendra Pal

RESEARCH

The Third Party evaluation of ICT@Schools Scheme, a major task to give an insight in the policy making as well as the implementation of the scheme has been taken up by the CIET, NCERT. A major step in this direction, the automation of data-collection was done through the development and deployment of Mobile Application, Parakh- the app to collect data required for the third party evaluation of ICT@Schools Scheme. The Govt. schools in Delhi are being trained to use the app for data collection regarding the availability of infrastructural facilities. The data of around 50 percent of the schools has been collected using this app till March.

Similarly, the Third Party Evaluation of ICT Scheme implementation in the state of Rajasthan was conducted across 639 Government Secondary and Senior Secondary Schools of Rajasthan under Phase-I, II and III for which the report was submitted in this quarter. As per the report although all the schools have yet not been fully equipped with adequate infrastructure like, electricity supply and good internet facility for implementation of ICT in teaching-learning, they are willing to and have been trying to integrate it. The 'Shala Darpan' shows that the Rajasthan Government has developed a portal where all the data of schools including mark sheets of the students have been uploaded. Availability of useful software and their integration into curriculum along with training of teachers was also found to be inadequate. The research also made few major recommendations such as, provision of adequate supply of ICT related infrastructural facilities, preventive, corrective, adaptive and perfective measures of maintenance and in-service training for teachers.

DEVELOPMENT

CIET-NCERT has been instrumental in developing e-content in various subjects for Massive Online Open Courses (MOOCs). In order to facilitate this, various workshops were held during this quarter. For example, to review the modules on "Food and Nutrition for Health living" for SWAYAM from 10-13 January 2018 and Physics from 05-13 February 2018.

Similarly, in order to review and finalize the script for Video recording for MOOCs workshops were held from 31 January – 10 February, 12-16 February, 2018 and 10 - 20 March, 2018.

Another activity undertaken under this section is the development of handbook called The ICT in education student's handbook for class 6 to 8.

This handbook consists of various themes and many subsequent chapters on internet and ICT environment, programming, graphics, data representation and processing, audio visual communication and software application. Each class has lessons for 29 weeks and a project at the end of each year. All the developed chapters of the above themes were reviewed internally at CIET-NCERT. The lessons were then consolidated and the draft book has been developed.

Similarly, for development of ICT textbook for class 9-10 (Phase-I) a workshop was held from 28th Feb-3rd March, 2018 at CIET-NCERT in which the syllabus for class 9th and 10th ICT textbook was developed, reviewed and finalized. Phase-II for the same was held from 19-23 March 2018, in which the remaining chapters were developed, layout of chapters was discussed and finalized. On the last day of the workshop chapters were reviewed and feedback was provided to the participants.

Training

CIET, NCERT offers to facilitate the use of Information and Communication Technology in education. The purpose of using ICT in education and learning is to provide quality digital content to all the learners in the country. For achieving this objective, many initiatives have been taken at the national level. These initiatives are to be assimilated, even at the state level so that development of resources is done according to the state-specific needs. In order to expedite this CIET-NCERT has started orientation of states towards development of e- resources, conversion of state textbooks as digital books and sharing it through e-pathshala mobile app/ portal. Training of teachers and educators in states has also been planned and is being executed during these programmes to create e-resources and share with them on NROER/SROER (online and offline). Development and roll-out of ICT curriculum, designing of online courses/ Learning Management System (LMS), introduction to SWAYAM PRABHA were also a part of these orientation programmes. The states covered were based on the zonal distribution of the country. The details of training programmes has been listed below in the table.

Phase	Regions Covered	States Covered	No. of Participants
Phase – IV (8th -12th Jan 2018)	Southern (RIE, Mysore)	Telangana, Karnataka, Kerala, Tamil Nadu, and Union Territories of Pondicherry and Lakshadweep	68
Phase – V (22nd -27th Jan 2018)	North East (State Academy of Training, Imphal)	Assam, Manipur, Meghalaya, Nagaland	73
Phase – VI (5th - 9th Feb 2018)	SIE, Port Blair	The Union Territory of Andaman and Nicobar Islands	62
Total no. of participants			203

So far (including earlier phases), orientation of 380 members (including earlier phases) of State Resource Groups (SRGs) from 27 States/ UTs has been completed by CIET, NCERT in coordination with States. These States/ UTs were covered in six phases and each phase was spanned over a five days programme, distributed in 20 sessions. The five days orientation had a mixed package of theory, practice, demonstration, discussion and presentation as well. This included, discussion of all the ICT initiatives with demonstration, a hands-on session on NROER, discussion on instructional design model for e-resource development, ICT pedagogy integration followed up by the use of Free and Open Source Software's (FOSS) for e-content development, sharing of formats of audio programmes, sessions on script writing and digitization of textbooks as epub files, etc. At the end, action plan for states were prepared by the state teams. All the action plans and feedbacks were then presented by SRG

members during the valedictory.

In order to facilitate ICT-pedagogy integration, a training programme from 8-10 March 2018 was conducted at RIE Bhopal for the primary school teachers including DMS, State Board Schools and Private Schools. Another effort in the direction of in-service training of teachers for integration of ICT in education at school level was done by conducting a two-days ICT in Education workshop at Mother's International School, Aurobindo Marg, New Delhi. The first workshop was conducted on 23th February 2018 which focused on generic tools that can be used for ICT-Pedagogy Integration. The second workshop was conducted on 28th March, 2018 focused on subject-specific tools. In all, 65 school teachers participated in the workshop.

Extension

As part of extension activities, the **22nd All India Children's Educational Audio Video Festival (AICEAVF) and ICT Mela- 2018** was organized at Pandit Sunderlal Sharma Central Institute of Vocational Education (PSSCIVE) in the campus of Regional Institute of Education (RIE), Bhopal from 21-23 February 2018. The event was inaugurated by Prof. Pramod K. Verma, Vice Chancellor, Barkatullah University, Bhopal on 21st February, 2018. Sh. Mukesh Khanna, Actor and Ex- Chairperson of the Children's Film Society, India was the Chief Guest of the valedictory function held on 23rd February, 2018. Prof. Hrushikesh Senapaty, Director, NCERT, Prof. Amarendra P. Behera, Joint Director, CIET, NCERT, Prof. Rajesh Khambayat, Joint Director, PSSCIVE, Bhopal and Prof. N. Pradhan, Principal, RIE, Bhopal also graced the occasion. Out of 209 entries, 48 programmes under the three categories-Audio, Video and New Media/ICT programmes were awarded with trophy, certificates and cash awards. Simultaneously, an ICT Mela was also organised to bring innovators of ICT in education together with the stakeholders to have mutual benefits for the education sector. 57 organisations and individuals showcased and disseminated their best practices (Personalised learning experiences, OER, Cloud based adaptive learning program, Mobile apps, virtual labs, analog mobile projector and television, e-contents, Cyber Security etc.) in ICT Mela. The Mela together with the Festival attracted more than 5000 visitors. An important highlight of the festival was panel discussions held on first 2 days on the topics, viz., "Education in the Cyber World" and "ICTs to develop 21st Century Skills". Eminent speakers spoke on the topics followed by discussions.

National Repository for Open Educational Resources (NROER), a one of its kind of project in the country pursues the dream to be the one-stop-place for the teaching-learning community. Apart from being a repository of digital library it has been developed as a networking site for its users. A theme-based mapping has been done of all the e-resources that have been included in the repository. This mapping is based on NCF 2005. First launched in 2013, the NROER was revamped in this quarter. So, for capacity building and upgradation of NROER a three-day workshop was held on 31 January-2 February, 2018 in CIET-NCERT, Delhi. CIET-NCERT and HBCSE-TIFR worked together for design and development of NROER web portal to enable creation, curation sharing and dissemination of e-content among all the stakeholders in school education system. Similarly, for its further enrichment a five-day workshop was held on 26 -30 March, 2018 in HBCSE-TIFR, Mumbai where both the organizations worked together for design and development of NROER web portal. The salient features of these activities were:

- Streamlining the workflow management of NROER
- Its upgradation with new features
- Bug fixing of the platform
- Updating interface of NROER website
- Orientation of technical team to assist in regular maintenance of the platform at CIET, NCERT
- Making NROER as per the Guidelines for Indian Government Websites (GIGW) and World Wide Web Consortium (W3C) guidelines

The revamped NROER along with being a repository of e-resources of all kinds-text, audio, video, interactive and games also features new concept of users having their own cloud space-'the workspace', a platform to create as well as take course, a platform for professional networking and a place to know about the latest events happening in the world of education. Till now, 11123 resource, 600 documents, 97 interactive, 2551 images and 5950 videos have been uploaded on the repository for open reuse, copy and edit.

For carrying forward the works being done under **MOOCs** 1st Subject Matter Expert Group meeting for discussion on MOOCs proposals was held on 20 March 2018. Similarly, 2nd Meeting of Academic Advisory Council (AAC) of MOOCs in NCERT was held on 23 March 2018 at CIET-NCERT where the discussion on various courses that are to be run on SWAYAM Portal in the year 2018-19 were discussed. After the deliberation previously run 12 courses were approved for re-run and 8 fresh courses were approved to be run on SWAYAM.

As mentioned earlier, CIET-NCERT has been instrumental in designing online courses for various subjects so that, it can be taken over by students at any point of time they want and located in any part

of the country. In order to encourage other institutions to do so a workshop was conducted on "Online curriculum Design" at the National Conference on Online Curriculum held from 13-14 January, 2108 organised by S.K.J Somaiya College, Mumbai. The participants were given the overview of how online curriculum can be designed and courses can be developed. ICT in education portal was also showcased and participants were asked to explore it.

The activities under **Lab Area School-Katurba Balika Vidyalaya**, Ohkla, New Delhi were commenced. The team from CIET-NCERT visited the school on 15 February 2018 where, the basics of collaborative learning in a technology-based learning environment was covered for teachers along with hands on training for ICT-pedagogy integration.

As part of the **in-service training of teachers**, an attachment programme with CIET was planned by the Department of Education as the 6th Orientation cum Refresher Course for NCERT faculty from 21-23 March 2018. During this the teachers were introduced with various ICT tools in general and subject-specific. They were also made aware of the nitty-gritties of producing audio and video programmes.

Live Discussion on SWAYAM PRABHA

Table - Live Discussion, Jan - March 2018

Monday (DESS)	Tuesday (DEGSN, DEAA, DEPFE, DCS)	Wednesday (DEL)	Thursday (DGS, RMSA, DTE, DER, Yoga / Phy. Edu.)	Friday (DESM, ICT, Science Workshop / Kit)
Jan 01 Dept.: DESS Subject: Social Science Topic: Contemporary issues Social Science in Education Expert: Dr. Shankar Sharan & Dr. M.V. Srinivasan	Jan 02 Dept.: DEGSN Subject: Inclusive Education Topic: Inclusive Education Conceptual Framework Expert: Prof. Anita Julka	Jan 03 Dept.: DEL Subject: Urdu Topic: Urdu Nasr ki Tadbeer Expert: Prof. Farooq Ansari & Dr. Chaman Ara Khan	Jan 04 Dept.: DGS Subject: Gender Studies Topic: Gender Inclusion in School Education Expert: Prof. Mona Yadav & Dr. Indu	Jan 05 Dept.: DESM Subject: Maths Topic: Number System Expert: Dr. A. K. Wazalwar & Dr. T.P. Sharma

Jan 08 Dept.: DESS Subject: Commerce Topic: GST Expert: Prof. Shipra Vaidya and Gurmeet Singh Grewal (C.A.)	Jan 09 Dept.: DEGSN Subject: Inclusive Education Topic: Developing Inclusive learning material in print and digital form Expert: Dr. Anupam Ahuja	Jan 10 Dept.: DEL Subject: English Topic: English Language Classroom Expert: Dr. R. Meghanathan	Jan 11 Dept.: RMSA Subject: Topic: Centrally sponsored scheme of RMSA Expert: Prof. Sharad Sinha	Jan 12 Dept.: DESM Subject: Science Topic: Matter in our surrounding Expert: Dr. R.K. Parashar & Dr. Anjni Koul
Jan 15 Dept.: DESS Subject: Topic: Emerging issues among Adolescents Expert: Prof. Saroj Yadav, Dr. Bijaya Malik, Sh. Hareesh Meena	Jan 16 Dept.: DEGSN Subject: Topic: Inclusive PSTE Expert: Dr. Bharti, Associate Professor	Jan 17 Dept.: DEL Subject: Hindi Topic: Padhneka Sankat Expert: Dr. Sandhya Singh and Dr. Sharada Kumari	Jan 18 Dept.: ESD Subject: Topic: NAS 2018 Expert: Dr. Indrani Bhaduri	Jan 19 Dept.: DESM Subject: Biology Topic: Fundamental unit of life Expert: Prof. Sunita Farkya & Dr. Pushplata Verma
Jan 22 Dept.: DESS Subject: Geography Topic: Map Book: Let's learn it through Bhuvan Expert: Dr. Tannu Malik	Jan 23 Dept.: DEGSN Subject: Topic: Role of School Management Committee in including children with disabilities in education Expert: Prof. Vinay Kumar	Jan 24 Dept.: DEL Subject: English Topic: Engaging with the English language Expert: Dr. R. Meghanathan and Dr. Meenakshi Khar	Jan 25 Dept.: DTE Subject: Teacher Education Topic: Teacher performance Assessment Expert: Dr. Vijayan K.	Jan 26 GH (OFF)
Jan 29 Dept.: DESS Subject: Economics Topic: National Income Expert: Dr. Jaya Singh, Dr. Saurabh Malhotra and Ms. Sandhya Arora	Jan 30 Dept.: DCS Subject: Curriculum Topic: School curriculum: A discussion Expert: Prof. Ranjana Arora	Jan 31 Dept.: DEL Subject: Hindi Topic: Hindi Sikshan Expert: Prof. Lalchand Ram	Feb 01 Dept.: PRD Subject: Topic: Digital content as pedagogical resource Expert: Dr. Indu Babra & Dr. Mohd. Mamur Ali	Feb 02 Dept.: DESM Subject: Physics Topic: Motion and Laws of Motion Expert: Dr. Gagan Gupta (with Dr. Abhay Kumar)

Feb 05 Dept.: DESS Subject: Political Science Topic: Introducing Political Science in School Education Expert: Prof. Shankar Sharan	Feb 06 Dept.: DEPFE Subject: Psychology Topic: Need for guidance in Schools for students Expert: Dr. Shraddha Dhiwal	Feb 07 Dept.: DEL Subject: Sanskrit Topic: Sanskrit Bhasha: Adhyayan, Adhyaapanaur Paddhati Expert: Prof. Jatin Mohan Mishra & Prof. K.C.Tripathi	Feb 08 Dept.: CIET Subject: ICT Topic: Online learning through MOOCs Expert: Dr. Mohd. Mamur Ali and Dr. Yash Paul Sharma	Feb 09 Dept.: DESM Subject: ICT Topic: Internet as learning resource Expert: Dr. Rejaul Karim Barbhuiya & Dr. Mohd. Mamur Ali
Feb 12 Dept.: DESS Subject: History Topic: Expert: Prof. Gouri Srivastava & Dr. Seema Ojha	Feb 13 Dept.: DCS Subject: Topic: Gender in curriculum Expert: Dr. Anita Nuna	Feb 14 (GH)	Feb 15 Dept.: DER Subject: Research Topic: Education in quest of identity Expert: Dr. Devraj Goel	Feb 16 Dept.: DESM Subject: Biology Topic: Classification of the living world Expert: Dr. Dinesh Kumar & Dr. Sunita Farkya
Feb 19 Dept.: DESS Subject: Topic: Emerging issues among Adolescents Expert: Prof. Saroj Yadav, Dr. Bijaya Malik & Mr. Hareesh Meena	Feb 20 Dept.: DEAA Subject: Arts and Aesthetics Topic: Arts Education in School Curriculum Expert: Prof Jyotsna Tiwari	Feb 21 Dept.: DEL Subject: Hindi Topic: Bhasha Sikshan – Badalte Sandarbh Expert: Prof. Sanjay Kumar Suman	Feb 22 Dept.: DTE Subject: Teacher Education Topic: Innovations in School Education Expert: Prof. B P Bhardwaj	Feb 23 Dept.: DESM Subject: Chemistry Topic: Mole Concept Expert: Dr. Alka Mehrotra & Dr. Anjni Koul
Feb 26 Dept.: DESS Subject: Economics Topic: Teaching economics to develop critical thinking skills Expert: Dr. M.V. Srinivasan	Feb 27 Dept.: DEPFE Subject: Psychology Topic: Role of Teacher as a Counsellor Expert: Sunita Devi	Feb 28 Dept.: DEL Subject: English Topic: Teaching of language with specific reference to English Language Teaching Expert: Prof. Sandhya Rani Sahoo	Mar 01 Dept.: LDD Subject: Library Topic: Know Library and Documentation Division of NCERT Expert: Dr. Moorthimatee Samantharay	Mar 02 GH (OFF)

Mar 05 Dept.: DESS Subject: Commerce Topic: Intellectual Property Rights Expert: Dr. Anju Khanna, Dr Usha Rao and Divya Srinivasan from CIPAM	Mar 06 Dept.: DCS Subject: Political Science Topic: Language across Curriculum Expert: Prof. Kirti Kapur (Professor of English)	Mar 07 Dept.: DEL Subject: Sanskrit Topic: Sanskrit Adhyayan: Ek parichay Expert: Prof. Jatindra Mohan Mishra & Prof. K.C. Tripathi	Mar 08 Dept.: DGS Subject: Women's Day Special Topic: Bhashaaur Sahitya me striyon ki bhumika Expert: Prof. Chandra Sadayat (DEL Rtd.) and Prof. Mona Yadav	Mar 09 Dept.: DESM Subject: Maths Topic: Sets Class IX Expert: Dr. A.K. Wazalwar & Dr. T.P.Sharma
Mar 12 Dept.: DESS Subject: History Topic: Sources in History Expert: Prof. Gouri Srivastava and Dr. Seema Ojha	Mar 13 Dept.: DESS Subject: Yoga and Physical Education Topic: Yoga in School Curriculum Expert: Prof. Saroj Yadav, Dean Academics	Mar 14 Dept.: DEL Subject: English Topic: Writing Skills Expert: Dr. Meenakshi Khar	Mar 15 Dept.: DGS Subject: Gender Studies Topic: Gender concerns in curriculum and textbooks Expert: Prof. Mona Yadav & Dr. Indu	Mar 16 Dept.: DESM Subject: Physics Topic: Gravitation Expert: Dr. Shashi Prabha & Dr. A.K. Srivastava
Mar 19 Dept.: DESS Subject: Geography Topic: Geography in School Curriculum Expert: Dr. Aparna Pandey	Mar 20 Dept.: DEPFE Subject: Psychology Topic: Facilitating Positive Mental Health Expert: Dr. Sushmita Chakraborty and Dr. Ruchi Shukla	Mar 21 Dept.: DEL Subject: Urdu Topic: Nasr ki tadbeer Expert: Prof. Mohd. Faruq Ansari and Prof. Diwan Hannan Khan	Mar 22 Dept.: Publication Subject: Publication of NCERT books Expert: Prof. Siraj Anwar	Mar 23 Dept.: DESM Subject: ICT Topic: ICT for Educational Communication Expert: Dr. Angel Rathnabai, CIET
Mar 26 Dept.: DESS Subject: Economics Topic: Economics Expert: Dr. Jaya Singh	Mar 27 Dept.: DCS Subject: Curriculum Topic: Scientific Temper and Science Curriculum Expert: Dr. R.R.Koireng	Mar 28 Dept.: DEL Subject: Hindi Topic: Hindi Expert: Prof. Sandhya Singh & Dr. Neelkanth Kumar	Mar 29 (GH)	Mar 30 (GH)

Scripting:

Script writing is the step prior to the production of any audio or video programme. It is a written proforma of idea behind any programme. Since production and related efforts are based on script, a focused and quality script written in the required manner is a prerequisite. The script should be theme-based and should contain correct and clear information about the knowledge that is aimed to be delivered. In order to facilitate this, all the programme scripts are discussed thoroughly in the Script Appraisal Committee. The scripts discussed are either passed or are held back for the suggestions to be incorporated. A meeting of the Script Appraisal Committee was held on 25 January, 2018 during this quarter in which scripts of programmes developed by various departments of NCERT were discussed. Based on the evaluation either the script was passed, passed with modifications or was rejected.

Production:

Audio programmes:

During this quarter period, many programmes have been produced. Below is the list of audio programmes produced during this period.

Table I - Audio Programmes produced for Languages & Science, Jan - March 2018

Sr. No.	Name of the programme	Producer	Duration of the programme	Level
1	Hello, How Are You?	Ajit Horo	4.00"	Primary
2	Where Are You going to?	-do-	-do-	-do-
3	Pinky is not well	-do-	-do-	-do-
4	Close the window	-do-	-do-	-do-
5	Are you alright?	-do-	-do-	-do-
6	Open the window	-do-	-do-	-do-
7	How Old are you?	-do-	-do-	-do-
8	What is the time now?	-do-	-do-	-do-
9	Where have you been?	-do-	-do-	-do-
10	Quarter Past	-do-	-do-	-do-
11	What's the time?	-do-	-do-	-do-
12	Why are you late?	-do-	-do-	-do-
13	It's dinner time	-do-	-do-	-do-
14	Keep Fit	-do-	-do-	-do-
15	Fruits	-do-	-do-	-do-
16	Turn off	-do-	-do-	-do-
17	Our Routines	-do-	-do-	-do-
18	Books our friends	-do-	-do-	-do-
19	Home work	-do-	-do-	-do-
20	Have you done your work?	-do-	-do-	-do-
21	Khelne Do Mujhe Tinkon se	Vimlesh Chaudhary	7.00"	Upper Primary

22	Baadal Aaye Re	-do-	10.14"	Upper Primary
23	Kaksha Mein Hogi Halchal	-do-	-do-	-do-
24	Baat Ban Jati	-do-	8.00"	-do-
25	Koyla	-do-	-do-	-do-
26	Kahani Kapde Ki	-do-	-do-	-do-
27	I have a Dream	Ajit Horo	10.00"	-do-
28	Story of Moth	-do-	-do-	-do-
29	Eyes	-do-	-do-	-do-
30	Mother Earth- Part-1	-do-	-do-	-do-
31	Mother Earth- Part-2	-do-	-do-	-do-
32	Butterfly	-do-	-do-	-do-
33	Khelne Do	-do-	8.00"	-do-

Along with this, 44 programs were recorded during the ICT orientation and training courses held in various RIEs located in different parts of the country i.e. Bhopal, Bhubaneshwar, Chandigarh Imphal, Port Blair and Shillong, which have been listed below:

Table II - Audio Programmes produced for ICT Trainees, Jan - March 2018

Sr. No.	Name of the programme	Producer	Duration of the programme
During Port Blair Training			
1	Andaman Bharat Ki Shan	Ajit Horo	4.20"
2	Dweep Mela	-do-	5.00"
3	In-solo-aap Canoe Race Nicobar	-do-	6.00"
4	Pig Festival-Car Nicobar	-do-	4.25"
5	Nicobari Love Song	-do-	4.15"
6	Nicobari Patriotic Song	-do-	2.20"
7	Sagar Ke Moti	-do-	2.06"
8	Tourist Places of Andaman	-do-	5.45"
9	Tribes of Andaman Nicobar Island	-do-	5.21"
10	Viper Island	-do-	3.00"
During Imphal Training			
11	Different Recipes of Manipur	Ajit Horo	7.00"
12	Festivals of Nagaland	-do-	8.14"
13	Folk Songs of Assam	-do-	9.27"
14	Garo Folk Song Meghalaya	-do-	6.00"
15	Long Handed Witch	-do-	6.00"

16	Music Feature Of Manipur	-do-	6.14"
17	Naga Folk Story	-do-	6.16"
18	Radio Talk on Khasi Poet	-do-	5.00"
19	Siroy Lily	-do-	4.22"
20	Tourist Places of Manipur	-do-	8.00"
During Shillong Training			
21	God Bless Nagaland	Ajit Horo	4.20"
22	Puliebadze Story Nagaland	-do-	3.26"
23	Rhosi Rhosi folk song	-do-	2.00"
24	Narration Zoram Mizoram	-do-	43"
25	Zoram Mizoram	-do-	4.45"
26	Zawngte Story Mizoram	-do-	2.48"
27	Zawngte leh Vahmim	-do-	2.48"
28	por ba la leit Song Meghalaya	-do-	3.08"
29	Me'dam'mefhi	-do-	4.00"
30	Radio Feature - Dr. Bhupen Hazarika	-do-	8.00"
31	Sibsagar- Tourist Place	-do-	4.23"
32	Kaziranga National park	-do-	5.00"
During Bhopal Training			
33	Shiksha Ka mahatwa	-do-	28.00"
34	Chattisgarh Ki Pehchaan	-do-	27.00"
35	Earth Quake	-do-	9.00"
For Refresher Course			
36	Aahaar Chakra	Ajit Horo	5.00"
37	Kawi Kedarnath Ji Ko Shradhanjali	-do-	8.27"
38	Monu Aur Jacob	-do-	5.00"
39	Pronunciation in English	-do-	6.00"
40	Vigyaan Ko Rochak Kaise Banayein	-do-	6.10"
41	What A wonderful world	-do-	3.00"
During Chandigarh Training			
42	Kishorawastha	Vandana Arimardan	17.26"
43	Bulbul Aur Jugnu	-do-	5.00"
44	The Life	-do-	8.00"

Apart from these three audio jingles were recorded for AICEAVF and ICT Mela 2018, Mauritius Open University and Ministry of Human Resource Development.

- All India Audio Video Festival- Vandana Arimardan- 30 Sec
- SSP-Portal of Open University Mauritius- Ajit Horo- 1.30"
- Curriculum Load- Ajit Horo- 30 Sec. Played over the nation on FM Gold

The team from CIET-NCERT Audio production division visited Bhopal, Bhubaneshwar Chandigarh, Imphal, Shillong and Port Blair to train teachers and educators on ICTs with emphasis on writing and producing for Audio-Radio programmes. Participants were oriented for script writing and production. They were also provided with the hands-on experiences. Scripts were developed, recorded, edited and produced at the venues.

Video programmes:

Production of video programmes is one of the major works that is done in CIET-NCERT. The programmes are recorded not only for within the institution but also outdoor for other institutions and MHRD. The programmes produced fully indoor between January-March 2018 have been listed as below:

Table I - Video Programmes produced between Jan - March 2018

Sr. No.	Name of the programme	Producer	Rec Medium details
1	Hindi Kavita	Sh. Sudhir Saxena	BRD - 3142
2	Hindi Kavita	Sh. Sudhir Saxena	BRD - 3143
3	Hindi Kavita	Sh. Sudhir Saxena	BRD - 3144, 3145
4	Hindi Kavi or Kavita	Sh. Sudhir Saxena	BRD - 3151, 3152
5	Hindi Kavi or Kavita	Sh. Sudhir Saxena	BRD - 3153, 3154
6	Kavi or Kavita	Sh. Sudhir Saxena	BRD - 3155, 3156
7	Kavi or Kavita	Sh. Sudhir Saxena	BRD - 3157, 3158
8	Kavi or Kavita	Sh. Sudhir Saxena	BRD - 3159, 3160, 3161
9	Kavi or Kavita	Sh. Sudhir Saxena	BRD - 3162, 3163, 3164
10	Kavi or Kavita	Sh. Sudhir Saxena	BRD - 3165, 3166, 3167
11	E-Content Visual Art (Flute playing with table)	Sh. Mansukh Rathore	BRD - 3069

The video team of CIET-NCERT has also been involved in producing programmes outside the institution. Kala Utsav, an initiative of MHRD was celebrated from 1-8 January 2018 in RIE, Bhopal where Sh. Mansukh Rathor and Sh. Budhi Prakash Kukreti were involved as a producers. Below is the list of other such programmes produced in this quarter. Beside, CIET was involved in recording programmes of events/programmes/video messages of MHRD.

Table II - Other Video Programmes produced between Jan - March 2018

Sr. No.	Name of the programme	Producer
1	Inter school Band Competition, Bal Bhavan and J&K student	Smt. Sujata Lochab

2	Recordings of events/programmes/videos message at MHRD	Sh. Sudhir Kr. Saxena
3	Recordings of events/programmes/videos message at MHRD	Sh. Mansukh Rathore
4	Recordings of events/programmes/videos message at MHRD	-do-
5	Recordings of events/programmes/videos message at MHRD	-do-
6	ICT e-content in Rajasthan	Sh. Sudhir Kr. Saxena
7	PM's Pariksha pe Charcha	Sh. Mansukh Rathore
8	22nd AICEAVF and ICT Mela	Sh. Mansukh Rathore & Sh. Budhi Prakash Kukreti
9	MHRD	Sh. Mansukh Rathore
10	International Mother Language Day	-do-
11	MHRD	Sh. Mansukh Rathore
12	Sign Language	Sh. Mansukh Rathore
13	MHRD	Sh. Mansukh Rathore
14	Sign Language	Sh. Mansukh Rathore
15	Jewel of India- Manipur	Sh. Sudhir Kr. Saxena
16	Song- 'My Dream'	Sh. Budhi Prakash Kukreti
17	Hands-on practice	Sh. Budhi Prakash Kukreti
18	HRM's video message	Smt. Sujata Lochab

Preview:

For all the audio and video programmes produced in CIET-NCERT, there is a process of assessment in order to maintain the quality of programmes. All the programmes made are previewed every Friday from 9.30 am before the programmes are finalize offline. The list of previews done during January-March 2018 has been given below:

Table I - Programmes previewed between Jan - March 2018

Sr. No.	Name of the programme	Subject	Target group	Duration (min)	Producer
1	नमक	हिंदी अकादमिक समन्वय : प्रो संध्या	उच्च माध्यमिक	11:30	श्रीमती विमलेश चौधरी
2	घनानंद और उनकी कविता	हिंदी अकादमिक समन्वय : प्रो लालचंद	उच्च माध्यमिक	23:44	श्री सुधीर कुमार सक्सेना
3	श्रंखला- शास्त्रीय संगीत के रंग ऋतुओं के संग कार्यक्रम- गर्मी की ऋतु आयी रे	हिंदी कला एवं सौंदर्य	माध्यमिक	9:50	श्रीमती वंदना अरिमर्दन

4	कवि मंगलेश डबराल और उनकी कविता	हिंदी अकादमिक समन्वय : प्रो लालचंद	माध्यमिक	27:00	श्री सुधीर कुमार सक्सेना
5	आलू पठा चट्टा तथा जलीय पादप में कायिक प्रवर्धन का अध्ययन	विज्ञान अकादमिक समन्वय : डॉ पुष्पलता	माध्यमिक	6:37	श्री बुद्धि प्रकाश कुकुरेती
6	बात बन जाती	राष्ट्रीय पाठ्यचर्चा अकादमिक समन्वय : डॉ रुचि वर्मा	शिक्षक, अभिभावक, विद्यार्थी	7:40	श्रीमती विमलेश चौधरी
7	Listening Lesson-2	English Academic Coordinator- Dr. R. Meganathan	Secondary	23:45	Sh. Mansukh Rathod
8	कवि कबीर और उनकी साखी	हिंदी अकादमिक समन्वय प्रो लालचंद	माध्यमिक	28:00	श्री सुधीर कुमार सक्सेना
9	अक्षर की कहानी द से दामोदर के दांत	हिंदी	प्राथमिक	14:33	श्रीमती वंदना अरिमर्दन
10	Writing and Articles	English Academic Coordinator- Dr. R. Meganathan	Secondary	15:00	Sh. Mansukh Rathod
11	Dictation	-do-	-do-	12:00	-do-
12	मैत्रेयी यात्रा J&K student exchange programme	Academic Coordinator- Prof. A.P. Behera	General	03:00	Ms. Sujata Lochab
13	टोपी	हिंदी अकादमिक समन्वय— प्रो संध्या	उच्च प्राथमिक	12:00	श्रीमती विमलेश चौधरी
14	कवि वीरेन डगवाल और उनकी कविता	हिंदी अकादमिक समन्वय— प्रो लालचंद	माध्यमिक	22:50	श्री सुधीर कुमार सक्सेना
15	शिक्षा में बांसुरीवादन	कला एवं सौंदर्य अकादमिक समन्वय— डॉ सरबरी बनर्जी	माध्यमिक	45:00	श्री मनसुख
16	संस्कृत गीतम (भाति शोभना मधुरा वाणी)	संस्कृत अकादमिक समन्वय— प्रो. के. सी. त्रिपाठी	माध्यमिक	06:30	श्रीमती वंदना अरिमर्दन
17	पद्यों में प्रकाशानुवर्तन एवं गुरुत्वानुवर्तन की परिघटना का अध्ययन करना	विज्ञान अकादमिक समन्वय— डॉ पुष्पलता वर्मा	माध्यमिक	12:36	श्री बुद्धि प्रकाश कुकुरेती

Quality Assessment of Media Programs

CIET-NCERT has a routine mechanism for reviewing audio, video and other multimedia e-contents before disseminating them on respective web portals. Workshops are also conducted on regular basis to preview programmes received from different states for Shala Gunvatta (ShaGun) portal NROER, epathshala and DIKSHA. Workshop on validation of e-contents were organised during 15-19 January, 7-9 February, 26-28 February, 12-14 March, 21-22 March. The total number of programmes reviewed during these sessions were: 142 for Shagun portal, 58 programmes for SIET Lucknow, 13 programmes for DEAA, review of Maths programmes and of design and technology for Mauritius and for Food and Nutrition Studies.

ICT Forum

Keeping in mind the integration of ICTs in various subject-specific fields and in general the earlier existing 'ICT Forum' was revived in this quarter. Every Wednesday presentations are scheduled where subject-specific integration or ICT tools in general are discussed. The list of presentations done so far has been given below:

Table - Presentations done under 'ICT Forum' between Jan - March 2018

Sr. No.	Topic of presentation	Name of the presenter
1	Use of ICT in Geography Learning	Dr. Nidhi Singh
2	Use of Raspberry Pie in Education	Dr. Kamlesh Sahu
3	ICT-Pedagogy Integration (Science)	Ms. Ajita Deshmukh
4	General ICT tools for Teaching-Learning and Assessment	Ms. Surbhi
5	FOSS for Teaching of Arts and Music	Dr. Deepty Gupta
6	Recent Trends in Educational Technology	Dr. Alka Singh
7	Making Educational Videos Using ICT Tools	Ms. Sabeela Rasheed

Dissemination of E-contents

The **ePathshala** portal had 2388495 visitors during Jan-March 2018. In all 129,278 users downloaded the app from Google Play Store, 5,264 from Apple Store and 3,008 from Windows Store. The Youtube views were 3,347,558. 'Parakh' app got a rating of 3.0 out of 5 on Google play store while 1,089 users have downloaded the app from the same till 23 March, 2018.

Swayam Prabha, an initiative of Ministry of Human Resource Development, Govt of India is a platform to develop a learning plan for utilization of satellite communication technologies for transmission of educational e-contents through 32 National Channels utilising the DTH-TV network. As nominated by MHRD, Central Institute of Educational Technology (CIET), NCERT is the national

coordinator for one DTH TV channel (#31) named as Kishore Manch. This is a 24x7 channel as CIET provides the contents related to secondary and senior secondary students and teacher education for 4 hours which gets repeated 5 times to make it 24x7 channel.

As a pre-planning, the academic syllabus and schedules of secondary and senior secondary schools are examined month-wise and accordingly program are arranged for telecast on the channel. A weekly plan has also been developed for making this process more relevant and to cover all the subjects such as arts, languages, science, commerce, social sciences and humanities, etc. Besides curriculum based educational TV programmes, the programmes on performing arts, crafts, physical

education, teacher education etc. are also included in the schedule. While preparing schedule, important days (national and international) are also being considered for telecast of programs on the channel. Thus, the telecasts are synchronized with the academic calendar of the schools and presented on the basis of weekly schedule prepared subject-wise for placement of every subject in the schedule. The motive of the channel is to provide access of quality education to the every child of the country.

As per the weekly format for lecture series, Monday and Thursday are scheduled for science streams including Physics, Chemistry, Maths, and Biology for senior secondary classes. On the other hand, Humanities subjects such as Sociology, Geography, Political Science, History and Psychology are allotted on Tuesday and Friday. Lastly, the commerce stream subjects including Accountancy, Business Studies and Economics are scheduled on Wednesday. This format has been followed for

scheduling purpose between January to March 2018. Besides, other programs especially on teacher education and on general topics such as Arts and sports, yoga and physical education are also included as per the format.

About 1145 programs were scheduled during January – March, 2018 covering about 370 hours of telecasting during this period including the repetitions. Among these 1145 programs, 650 were the lecture series types of different subjects of class XI (308) and XII (342). Apart from lecture series, there were about 365 other types of video programs covering the syllabus of secondary and senior secondary level. Similarly, teacher education related 47 programs were also included in the schedule. About 83 general programs related to art, culture, dance, music, physical education etc. have also been telecast on the channel during the last three months. Subject-wise analysis of the programs has been represented in the table-1.

Table I Subject-wise categorisation of programs scheduled and telecast between January to March 2018

Subjects	No. of Programs telecasted	% age of Programs telecasted
Sciences (Biology, Chemistry, Physics)	304	26.55
Social Sciences (Economics, Geography, History, Political Science, Sociology)	286	24.97
Mathematics	96	8.38
Art, Culture, Crafts, Dance and Music	83	7.24
Psychology	65	5.67
Language	61	5.32
Accountancy	56	4.89
Business Studies	49	4.27
Others	145	12.66
Total	1145	100

All these programs were properly selected as per the relevance for the curriculum of secondary and senior secondary schools. As Kishore Manch is a national channel, different regions have been covered to showcase the diversity in the form of programs such as art, culture, dance, music, travel programs etc. The gaps and issues are

also being identified from time to time. Feedbacks from children, teachers and parents are solicited through email and toll free numbers. Efforts are being made to cover the syllabus at secondary and senior secondary levels to improve the quality and accessibility of Kishore Manch Channel of SWAYAM PRABHA.

Participation in Conferences/Seminars and publication

CIET-NCERT has been instrumental in development and dissemination of digitally enriched educational resources not only within the country but, also beyond its boundaries. In order to propagate the importance of ICTs in education and how they can be integrated into schools at various stages, Prof. A. P. Behera visited Sri Lanka on 28 March 2018, to participate in the South Asia Regional Symposium on Information and Communication Technology (ICT) for Education 2018. Various initiatives taken by CIET-NCERT in this direction was made available to the participant countries. On behalf of the institution, the willingness was extended to contribute in developing textbook contents, integration of ICTs into curriculum and developing an education portal to facilitate the teaching-learning process in Sri Lanka and to other SAARC countries.

Dr. Angel Rathnabai attended a 21 days course on "Education for Technology and the use of ICT in Education" conducted by State of Israel at A.OFRI International Educational Training Center at Jerusalem, Israel from 25.2.18 to 16.3.18. This course covered areas like ICT-pedagogy integration, MOOCs, Innovative pedagogies, STEM Education etc. through lectures, online presentation and activities, group discussions, field visits, group assignments etc. During the course ICT use in Education was modeled across every session. Hands-on practice on development of resources like, QR coded content, interactive resources, games etc. gave practical exposure in developing variety of resources and understanding of various software. Also field visits to schools of various category and levels, college of education, science museum etc. gave a better understanding on ICT-pedagogy integration through observation and reflection. This course not only focused on academic development but also gave space for cultural as well as social understanding of Israel. It also provided opportunity for cross cultural sharing and learning from various ICT in Education practices from 11 countries like Kenya, Columbia, Nepal, Azerbaijan, Peru, Antigua, Ukraine, Israel,

Vietnam, Bangkok and Costa Rica. As a follow up of the course, DM Schools of NCERT can work with Israel schools for collaborative learning. Overall this course provided a great learning opportunity for learning and sharing about use of ICT in Education.

Along with involvement in various academic activities the faculty members of CIET-NCERT have been engaged in publication of their research and other works in journals, periodicals and newspapers within the country and across the world. So, in this quarter an interview of Prof. A. P. Behera (Joint Director) titled "ICT a reality to stay for many years" Children must master 21st century skills; got published in Daliy Mirror, a leading newspaper of Sri Lanka on 28 March 2018.

Similarly, a paper titled, "Education, Geography and Sustainable Development: Reaching through Subject Matter and Pedagogy" by Dr. Nidhi Singh, was published in ACCST Research Journal, ISSN 0972-7779, Volume XIV (2), April 2016, Published in February 2018, pp 89-103.

Another research paper entitled "Adopting Free and Open Source Software (FOSS) in Education" by Gupta, D., and Surbhi. (2018) got published in i-manager's Journal of Educational Technology (ISSN: 0973-0559), 14(4), Jan-March 2018, pp 53-60.

A chapter by Dr. Deepty Gupta titled "Massive Open Online Courses (MOOCs): Pedagogically Innovative" in edited book Teacher: A Reflective Practitioner for Quality Education, edited by University College of Education, Kurukshetra University, Kurukshetra got published by Shaheed-E-Azam Publication, Patiala (ISBN:978-93-84789-84-8), 2018, pp 78-85. Another research paper entitled "Impact of Emerging Technologies in Social Media on Education-A Study" by Dr. Jasmeet Kaur and Dr. Deepty Gupta was published in International Journal of Research in Advent Technology (IJRAT), Volume 6, Issue 3, March 2018, pp 200-206 (link http://www.ijrat.org/vol6_issue3.html)

Awards and Honors

The award for the best e-resource in the category of New Media in the 22nd AICEAVF and ICT Mela 2018 was bagged by the 'Interactive e-content' developed by Dr. Indu Kumar and her team. Similarly, her animation programme 'Pahiya' received the award for the best animation and graphics jointly with animation 'Rajkumari Hans Padi' developed by Dr. Rubina Saife. Similarly, 'Anna Devta' produced by Ms. Vandana Arimardan was awarded for the best director, 'Ja se Jamun' produced by Ms. Vimlesh Choudhry was awarded the best programme and 'Namak' got the special jury award, overall. Introduction, got the best programme in the new media category. 'Khelne do mujhe tinkon se' and Light produced by Mr. Ajit Horo bagged the best voice over and best video programme produced on the audio song track, respectively.

Visitors

CIET - NCERT has been continuously instrumental in knowledge enhancement of students, teachers and teacher educators regarding use of ET and ICT integration in teaching-learning. Time-to-time the institution has been hosting various groups for the same. Below is the list of groups that visited the institution between January-March

Sr. No.	Name of the Institution	No. of participants
1	DIET Dilshad Garden, Delhi (D.El.Ed. students and faculty)	48
2	SGT University, Gurugram (B.Ed student and faculty)	14
3	Department of Educational Studies, Central University of Jammu, Jammu (M.Ed. students and faculty)	36
4	Satyam College of Education, Noida (B.Ed. students and faculty)	105
5	Jesus and Mary College, University of Delhi (B.El.Ed. students and faculty)	48
6	Leelavati Munshi College Education (B.Ed. students and faculty)	97

Transfer/Joining/Retirement

Ms. Premlata Gianey joined CIET-NCERT as Under Secretary on 25th January 2018. Prof. Rajendra Pal, who was transferred from DER, NIE to CIET joined the institute on 9th March 2018 and is currently serving as the Head, Media Production Division (MPD).

GLIMPSES



Faculty presentation under ICT Forum



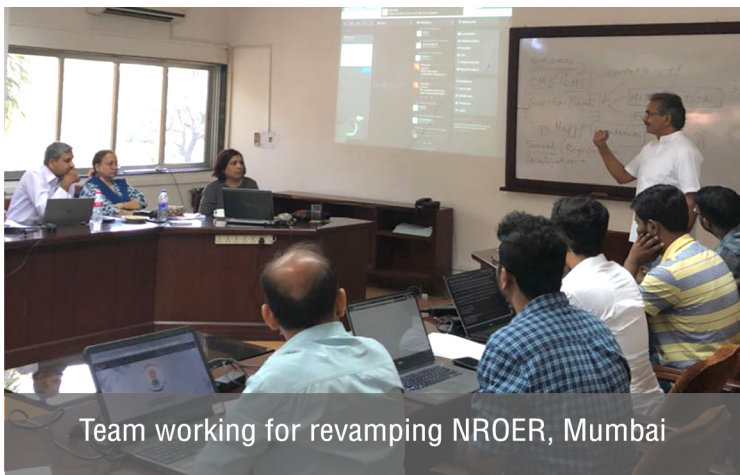
AAC Meeting for MOOCs



M.Ed. Students learning production skills



Participants exploring tools for ICT Pedagogy integration, Bhopal



Team working for revamping NROER, Mumbai



In-service teachers' training on ICT, Delhi








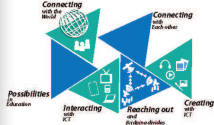


Live Discussion on SWAYAM PRABHA 'Kishore Manch'



Orientation of SRGs on ICT education, Imphal

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