विद्यया ऽमृतमश्नुते

एन सी ई आर टी
NCERT

Open education is not limited to just open educational resources. It also draws upon open technologies.

-UNESCO-

*Showcasing ET & ICT initiatives on NCERT's **Foundation Day***

Hands-on session during Training of SRGs

***AAC Meeting** of Swayam Prabha 'Kishore Manch'*

Talk on Plagiarism and related issues

Orientation cum training of State Resource Groups (SRGs)

एन.सी.ई.आर.टी. के निर्देशन में देश के सभी राजकीय विद्यालय बनेंगे डिजिटल सुविधा युक्त

संगरिया, 30 सितंबर (सामरिया) राष्ट्रीय शैक्षिक अनुसंधान एवं तकनीकी केंद्र एन.सी.ई.आर.टी. के केंद्रीय शैक्षिक तकनीकी सी.आइ.टी. विभाग द्वारा देश के सभी राज्यों व केंद्र शासित प्रदेशों से चयनित 10.10 राज्य संदर्भ व्यक्तियों को 8 चरणों में शिक्षा व अधिगम के क्षेत्र में सूचना और संचार प्रौद्योगिकी आईसीटी की भूमिका के लिए पांच दिवसीय आमुखीकरण कार्यशाला का आयोजन किया। आठवें अंतिम चरण की कार्यशाला में हरियाणा, हिमाचल, छत्तीसगढ़, दिल्ली और राजस्थान की टीम ने भाग लिया। राजस्थान टीम के सदस्य उदय सिंह बेनीवाल ने बताया कि इस आमुखीकरण का मुख्य उद्देश्य पढ़ने-पढ़ाने की प्रक्रिया में सूचना

प्रौद्योगिकी के सही उपयोग के मनोवैज्ञानिक व तकनीकी पहलू से अवगत करवाना था, ताकि प्रत्येक विद्यार्थी को स्वयं के स्तरानुसार सीखने के सरल व रुचिकर अवसर प्राप्त हो सके। कार्यक्रम में इस बात की विस्तारपूर्वक जानकारी दी गई कि किस प्रकार से अज्ञानतावश पूरे देश में पायरेटेड सॉफ्टवेयर्स का उपयोग किया जा रहा है, जबकि कंप्यूटर को संचालित करने के लिए ऑपरेटिंग सिस्टम से लेकर हर काम के लिये

आवश्यक एप्लीकेशन सॉफ्टवेयर्स निःशुल्क उपलब्ध है, जिनका उपयोग करना साइबर कानून के अनुसार पूर्णतः वैध है तथा यह पेड वर्जन जितने ही उपयोगी और सरल है। राजस्थान की राज्य संदर्भ व्यक्ति टीम अब पूरे राज्य में राज्य शैक्षिक एवं तकनीकी अनुसंधान संस्थान उदयपुर के कार्यक्रम अनुसार राजकीय विद्यालय में कार्यरत अध्यापकों को शिक्षा और अधिगम में विषयवार आईसीटी के उपयोग की जानकारी देंगे। इसके साथ-साथ साइबर सुरक्षा व साइबर नीति के अनुसार विभिन्न निःशुल्क सॉफ्टवेयर के स्रोत एवं उपयोग की जानकारी दी जाएगी जोकि भारत सरकार व विभिन्न राज्यों द्वारा विकसित या साइबर कानून अनुसार अधिकृत है। इस कार्यक्रम के

...ला बावरी ने किये शिलान्यास

From the Joint Director's Desk

Amarendra P. Behera
Joint Director, CIET

Information and Communication Technology (ICT) is one of the means through which any existing phenomena can be harnessed. This can further be used for human purposes and can also be disseminated at a pace of fraction of seconds. CIET-NCERT is a premier Government organization enabling this process of development and use of ICTs in education. It feels good to talk about the activities taken up by the institution in this direction during this quarter i.e. July-September.

Though learning is a two-way process, the role of teachers in making children educated and keeping them informed about their local and global environments is uncontested. Therefore, in-service training of teachers was taken up this time rather vigorously, covering 36 States and UTs of India (including the mainland and the island groups). Taking the strides in almost every direction of the country the program in various phases oriented 346 core team/State Resource Group (SRG) members as Master Trainers on ICTs in Education and learning. These orientations will help in implementing ICTs in Education initiatives and achieve the 3Ss i.e. Skill, Scale and Speed envisioned by the current policy focus of India. The whole training program was conducted in a face-to-face mode where, almost 60 percent activities of the 20 sessions were executed as hands-on session. This was planned so, in order to provide first-hand and practical experience to the participants. The idea behind this series of training program was to train some members from each state who can act as key resource persons for training others and disseminating skills of ICTs in their respective states.

Plagiarism is a serious issue in research and textbook writing and NCERT being a premier institution for doing research, development and training at school-level is ought to be bound to the principles of plagiarism. In order to spread awareness among its own members, a workshop was organized by CIET on plagiarism and related issues.

Under the umbrella of a mini revolution of Digital India that the Government of India is working towards, CIET-NCERT has already converted the NCERT textbooks in digital form. Taking it up further, the institution has generated QR codes for 107 books and has converted 38 of them in Unicode font. This conversion in Unicode font will support features like: text-to-speech, online search results etc. which is otherwise not possible. This effort will not only augment the quality of digitally accessed books but, is also expected to amplify the imagination and learning outcomes of children using them.

Many more activities were taken up in this quarter that contributed importantly in their own way in carrying forward various programs taken up by the institution. Hopefully, all these activities will bring about exemplary results in achieving the basic motto of the institution. With these affirmative and reassuring words, we will keep our supporters and stake-holders informed about our work from time to time.

RESEARCH

In Third Party evaluation of ICT@Schools Scheme Scheme in NCT of Delhi research project verification and finalization of tools has been done through a series of in-house workshops. Total number of 245 schools has been selected as sample schools for the IInd phase of survey. Preliminary data collection has been done online from schools while, detail data collection process is scheduled to start from October, 2018.

A research, A study of the Status of viewing Swayam Prabha DTH-TV Channel "Kishore Manch" among students of secondary, senior secondary level and teachers, has been taken up by CIET. The research aims at examining the reach of Kishore Manch among its target group i.e. students of secondary, senior secondary level and teachers. In order to develop survey tools and for getting other inputs regarding the research a two-day workshop was conducted on 30-31st July, 2018. As an outcome of the workshop, 4 Research tools for: State Functionaries, School Principal, School Teachers and Students were finalized. Data collection will begin soon.

Development

CIET-NCERT has a major role of development of e-contents for teaching and learning. In order to facilitate this, development of audio-video resource on 'Experiments in Biology at higher secondary stage (Class XI)' was done from 2-6 July, 2018 for DESM, NCERT was done under the program of Development of e-resources for the school and teacher education. E-content for DEE, NCERT was also developed on 'Online Certificate Course on Teaching-Learning of Environmental Studies (EVS) for Primary Teachers' from 9-11 July, 2018. Similarly, development of audio-video programs was done on 'good practices in EYE' for DEE from 30 July-3 August, 2018. During 6-10 August, 2018 e-contents for handbook on 'गतिविधियों, खेल, खिलौने और कला रूपों के माध्यम से विज्ञान को समझें', were developed for DESM, NCERT for upper primary stage. E-content on 'ऑनलाइन व्यवसायिक दक्षता संवर्धन हेतु ई–प्रारूप में शिक्षण सामग्री का विकास, रूपांतरण एवं अपलोडिंग नामक परियोजना' was also developed for upper primary stage for Hindi during 28-31 August, 2018. Videos for Urdu MOOCs were recorded on 3 July and 7 August, 2018 for DEL, NCERT.

CIET-NCERT is planning to start an online journal of its own named Indian Journal of Educational Technology (IJET) which will be published in English bi-annually. Under the proposal, Publication of Bi-annual Indian Journal of Educational Technology, a half-day meeting was conducted in 10th July, 2018. The objectives of the meeting were: i) to know the pre-requisites of publishing such a journal ii) to understand the OJS in details. Editorial board members have been finalised. All the nine manuscripts received have been reviewed at the first level of review i.e. at the editor's level and some have already been sent to reviewers for review.

Under A Study of Techno pedagogic analysis of selected media programs of Science at Secondary Level produced by CIET, data collection, data entry has been done. New programs have been identified and scheduled for observation as well as for data collection.

A workshop cum planning meeting was organized under the PAC project on "Development and Launch of Online Certificate Course on Research Methodology in Education between 12 –14 September, 2018 at CIET, NCERT. The focus of the workshop was to develop the outline of the various modules on research methodology in education. A total of 19 modules were outlined and the relevant content to be covered in the modules was discussed and planned. The objectives of the respective modules were also developed. A discussion on the structure of the course, target group, eligibility criteria for enrolment, fees structure, and credit of the course was done to launch a full-fledged Online Course on Research Methodology in Education.

Development

Organization of Online Certificate Course on Action Research in Education is another project taken up in CIET in which entries were accepted till 6 August, 2018. Around 400 applications have been received for which screening has been completed and the course is scheduled to be launched in the next quarter by November, 2018.

CIET-NCERT has been instrumental in developing e-content in various subjects for Massive Online Open Courses (MOOCs) on SWAYAM platform. In the last quarter, 20 courses for classes XI & XII were launched in the last quarter while one course for M.Ed. was launched under the same July, 2018. On the whole, 27957 enrollments have been done so far in all the courses.

Another activity undertaken under this section is the development of handbook called The ICT in education student's handbook for class 6 to 8. Based on the ICT curriculum for students, mentor guideline has been developed for year I and II that can be utilized for class 6 and 7. This guideline encompasses the structure of the content, demonstration activity to be followed by the mentor, hands-on activities to be practices by students and e-portfolio to be completed for evaluation. Guidelines for year II is under development.

As an overall outcome of the workshops held in the previous quarters for ICT textbooks for Class IX, the textbook for Class IX has been sent for publication. Discussion on Class X books has also started in this quarter.

ePathshala is a resource bank of e-content. There are about 125 NCERT digital books which are in Hindi, Urdu and other mediums. Currently, these digital books are in non-Unicode fonts which do not support features like: text-to-speech, online search results etc. Hence, efforts were taken to convert the above said digital books into Unicode Font. For this, on 23rd - 25th July, 2018, a three-day workshop was organised at CIET, to convert the non-English NCERT digital books into Unicode font. The outcomes of the workshop have been listed below:

- Script to convert the text into Unicode was tested.
- Issues related to the scripts were resolved.
- The Unicode font "Sakal Bharti" to be used for the textbooks was also finalised.
- It was observed that proofreading is also required of the converted digital book as minor mistakes were identified during conversion to Unicode.
- Steps related to the conversion process i.e. using script to convert the text, opening the file in Indesign to do the formatting, editing and other settings were finalised.

From 6th - 10th August, 2018 (Phase II) another workshop of five days was held CIET, NCERT where, 12 digital textbooks were converted to Unicode font. Similar workshop of five days i.e. from 10th - 14th September, 2018 (Phase III) was held for conversion of 26 textbooks.

Training

Emphasis on in-service training of teachers has been taken over rather rigorously in this quarter. So, under development and roll out of ICT curriculum for teachers and teacher educators eight phases of training programme of State Resource Groups (SRGs) was organised during July-September within the premises of CIET-NCERT. Regular training of more teachers in all the States/UTs is also required to fulfil the dream of Digital India. orient States/UTs core team/State Resource Group (SRG) members (as Master Trainers/Key Resource Persons) on ICTs in Education and learning to facilitate the development of e-contents, OER, Mobile apps, MOOCs on SWAYAM, also carry out digitalization of resources and share those on DIKSHA, NROER, SROER, e-Pathshala etc. These orientations will help us to implement ICTs in Education initiatives and achieve the 3Ss i.e. Skill, Scale and Speed

envisioned by the Hon'ble Prime Minister of India. The programme covered almost all the 36 states/UTs states of India orienting 346 participants. The list of various phases and the states covered has been given below:

Phase	States/UTs to be covered	Dates	No. of participants
Phase I	Andhra Pradesh, UT of Puducherry, Tamil Nadu, Telangana, Uttarakhand	09/07/2018 to 13/07/2018	55
Phase II	UT of Dadra and Nagar Haveli, UT of Daman & Diu, Gujarat, Maharashtra, Goa	23/07/2018 to 27/07/2018	46
Phase III	Tripura, Meghalaya, Mizoram, Arunachal Pradesh, Nagaland	30/07/2018 to 03/08/2018	38
Phase IV	Kerala, Karnataka, Manipur, Assam, Sikkim	06/08/2018 to 10/08/2018	42
Phase V	West Bengal, Odisha, Bihar, Jharkhand	20/08/2018 to 25/08/2018	36
Phase VI	UT of Chandigarh, UT of Lakshadweep, Madhya Pradesh, Uttar Pradesh	27/08/2018 to 31/08/2018	36
Phase VII	Andaman and Nicobar Islands, Punjab, Jammu & Kashmir	10/09/2018 to 14/09/2018	38
Phase VIII	NCT of Delhi, Chhattisgarh, Rajasthan, Haryana, Himachal Pradesh	24/09/2018 to 28/09/2018	55

The programme was categorised into four major areas. Day one covered all the major ICT Initiatives at National level with a detailed understanding on ICT Curriculum, National Repository of Open Educational Resources (NROER) and Massive Open Online Course -SWAYAM MOOCs. Day two and three were focused towards e-resource development covering Audio and Video Programme Production (Studio exposure), Resource Development using Mind Mapping tool (Freeplane), infographics (Easel.ly), Animation (Scratch and Stop Motion Studio), Interactives (H5P) and an introduction to other FOSS tools. Day four was towards the Digitization of textbooks along with introduction to energised textbooks. All the participants prepared e-pub files along with the formatting of those files using CSS.

The integration of ICT along with Pedagogy in classroom situation, awareness of Cyber Safety and Security, Introduction to Vikaspedia and evaluation of e-resources were the areas covered on last day. Apart from this Action plan were prepared by the SRG members for their respective states/UTs for implementation of ICT. This training was conducted in face-to-face mode. There were presentations and demonstrations by the Resource persons which also included discussions, out of 20 sessions more than 12 i.e. 60% were for hand-on and group activities. Active participation of all the participants was mandatory. All the training resources were provided to the course participants in a pen drive.

Not only teachers but, the institution has been trying to facilitate development of ICT integrated curricular activities for students. For this, contents for Class 6 were planned and implemented in group of schools in Tamil Nadu in this quarter.

For Continuous Professional Development of NCERT Faculty Members on ICT in Education, questionnaire for need assessment of NCERT faculty Google form has been created with a link for online filling of questionnaires.

EXTENSION

Under the extension activity of Development of Resources and Support for Web and Online Activities, documents were received from NCERT constituents in the last quarter which have been categorized, digitized and updated on websites: epathshala.gov.in, nroer.gov.in, ictcurriculum.gov.in, ciet.ncert.nic.in, ncert.nic.in and ictschools.gov.in. Updating and maintenance of these websites are being done on day-to-day basis. Security audit of three portals have been completed. New Interface of Web sites have been created in this quarter.

Organisation of Festival, ICT Mela, Contests of digital contents and coordination with States/ UTs is another project through which efforts in production of audio, video and new media programs are acknowledged. The 23rd All India Children's Audio Video Festival (AICEAVF) and ICT Mela are scheduled for the next quarter. So, advertisements have been released for the same in this quarter and 10 entries have already been got.

Acknowledgment of school teachers for their efforts in development and dissemination of ICTs is done through Organisation of National ICT Award for School Teachers 2017 and Jury Meeting for the year 2018. The entries for awards for the year 2018 have been received in this quarter.

Library is a storehouse of knowledge and aims at enhancing knowledge and awareness through ease of accessing information of various kinds. So, a one-day workshop entitled "Workshop on Plagiarism, Mendeley Reference Tool and Koha" was organised for the faculty members and other staff of NCERT and CIET. The purpose of the workshop was to spread awareness about the serious issues of plagiarism, use of Mendeley as a reference tool and Koha as a tool for automation and augmentation of library. On the whole, 50-60 people participated in this workshop.

Live Discussion on SWAYAM PRABHA

CIET-NCERT has a daily schedule of going live on SWAYAM PRABHA channel where, educational discussions on various topics of different subjects is done. The schedule for July-September, 2018 has been given below:

Transmission schedule of Live from July-September, 2018

Monday (DESS)	Tuesday (DEGSN, DEAA, DEPFE, DGS, DCS, CIET)	Wednesday (DEL)	Thursday (DTE, DER, DEE, Yoga / Phy. Edu. PMD, IRD, RMSA, ESD, LDD, PD)	Friday (DESM, ICT, Science Workshop / Kit)
July 02	July 03	July 04	July 05	July 06
Dept.: DESS	**Dept.:** DEGSN	**Dept.:** DEL	**Dept.:** DTE	**Dept.:** DESM
Subject: Political Science	**Subject:** Special Education	**Subject:** Sanskrit	**Subject:** Research	**Subject:** Physics
Topic: Democracy and challenges to democracy in our country	**Topic:** Educational Rights of Children with Special Needs - FAQs	**Topic:** कक्षा नवीं की संस्कृत की अभ्यास पुस्तिका	**Topic:** कैसे विकसित करें शोध प्रस्ताव	**Topic:** JNNSMEE
Expert: Prof. Shankar Sharan	**Expert:** Prof. Anupam Ahuja	**Expert:** Prof. K C Tripathi	**Expert:** Dr. Jitendra Kumar Patidar	**Expert:** Prof. RK Parashar and Dr. AK Srivastava

July 09	July 10	July 11	July 12	July 13
Dept.: DESS	**Dept.:** DEAA	**Dept.:** DEL	**Dept.:** DER	**Dept.:** DESM
Subject: Sociology	**Subject:** Arts Education	**Subject:** Hindi	**Subject:** Research	**Subject:** Chemistry
Topic: Introducing Sociology	**Topic:** Approaches to teach Art Education	**Topic:** भाषा की पढ़ाई और जेंडर संबंधी मुद्दे	**Topic:** Methods in Educational Research	**Topic:** Vigyan Shikshan
Expert: Prof. Manju Bhatt	**Expert:** Prof JyotsnaTiwari	**Expert:** Prof. Sandhya Singh	**Expert:** Prof. A K Srivastava	**Expert:** Dr. Ruchi Verma

July 16	July 17	July 18	July 19	July 20
Dept.: DESS & Eklavya (Dewas, M.P.)	**Dept.:** CIET	**Dept.:** DEL	**Dept.:** DEE	**Dept.:** DESM
Subject: Economics	**Subject:** ICT	**Subject:** English	**Subject:** Environmental Studies	**Subject:** Chemistry
Topic: The relevance & excitement for Economics	**Topic:** Smart Copying - CC	**Topic:** English Language Learning - Grammar in Context: Past Tense & Past Perfect Tense	**Topic:** Going beyond the textbooks in EVS (पाठ्य पुस्तकों से परे पर्यावरण अध्ययन का शिक्षण अधिगम)	**Topic:** Climate Change
Expert: Dr. M.V.Srinivasan & Dr. Arvind Sardana Sharan	**Expert:** Dr. Angel Rathnabai	**Expert:** Dr.R. Meganathan	**Expert:** Prof. Kavita Sharma	**Expert:** Dr. C V Shimray

July 23	July 24	July 25	July 26	July 27
Dept.: DESS	**Dept.:** CIET	**Dept.:** DEL	**Dept.:** DEPFE	**Dept.:** DESM
Subject: Geography	**Subject:** ICT	**Subject:** Urdu	**Subject:** Guidance and Counselling	**Subject:** Mathematics
Topic: Understanding & Finding Directions	**Topic:** Smart Search - CC	**Topic:** Urdu Gazal	**Topic:** Role of teachers in facilitating career choice of students	**Topic:** Polynomials (Class IX)
Expert: Dr. Tannu Malik	**Expert:** Dr. Angel Rathnabai	**Expert:** Prof. Mohd. Faruq Ansari	**Expert:** Dr. Shraddha Diwal	**Expert:** Dr. A.K Wazalwar & Dr. T.P Sharma

July 30	July 31	Aug 01	Aug 02	Aug 03
Dept.: DESS	**Dept.:** Research	**Dept.:** DEL	**Dept.:** PMD	**Dept.:** DESM
Subject: History	**Subject:** Educational Research	**Subject:** Hindi	**Subject:** ICT in education	**Subject:** Physics
Topic: Social Science: Career Pathways	**Topic:** Hypothesis	**Topic:** भाषा के मुद्दे	**Topic:** Use of ICT in Teaching-Learning	**Topic:** Gravitation
Expert: Prof. Gouri Srivastava and Prof. Seema S. Ojha	**Expert:** Prof. DN Sansanwal	**Expert:** Dr. Naresh Kohli	**Expert:** Dr. Mamur Ali and Dr. Deepti Gupta	**Expert:** Prof. Shashi Prabha and Dr. A K Srivastava

Aug 06	Aug 07	Aug 08	Aug 09	Aug 10
Dept.: DESS	**Dept.:** DEGSN	**Dept.:** DEL	**Dept.:** RMSA	**Dept.:** DESM
Subject: Population Education	**Subject:** Special Education	**Subject:** English	**Subject:** Education	**Subject:** Biology
Topic: School Health component of ayushman bharat	**Topic:** Inclusive Education for children with Autism	**Topic:** Process Approach to Writing	**Topic:** Session Plan	**Topic:** Fundamental Unit of Life
Expert: Prof SarojYadav, Dr. Bijaya Malik and Harish Meena	**Expert:** Dr. Bharti, Associate Professor	**Expert:** Prof. Kirti Kapur	**Expert:** Dr. K V Sri Devi	**Expert:** Prof Sunita Farkya and Dr. Pushplata Verma

Aug 13	Aug 14	Aug 15	Aug 16	Aug 17
Dept.: DESS **Subject:** Sociology **Topic:** Culture **Expert:** Prof Manju Bhatt, Abha Seth DAV, Vasant Vihar, Seema Banerjee, LPS	**Dept.:** DEAA **Subject:** Music **Topic:** Musical Expressions of Patriotism in regional/folk songs **Expert:** Prof.	GH	**Dept.:** ESD **Subject:** Examination Reforms **Topic:** Examination Reforms **Expert:** Prof. Veer Pal	**Dept.:** DESM **Subject:** ICT **Topic:** Online Safety and Security **Expert:** Dr. Rejaul Karim Barbhuiya
Aug 20	**Aug 21**	**Aug 22**	**Aug 23**	**Aug 24**
Dept.: DESS **Subject:** Economics **Topic:** Demonetization **Expert:** Prof Neerja Rashmi	**Dept.:** LDD **Subject:** Library Science **Topic:** Role of school library in education **Expert:** Pooja Jain	Holiday	**Dept.:** DEPFE **Subject:** Psychology **Topic:** Developing and nurturing the self **Expert:** Dr. Ruchi Shukla	**Dept.:** DESM **Subject:** Mathematics **Topic:** Trigonometric functions **Expert:** Prof AK Wazalwar and Dr. T.P Sharma
Aug 27	**Aug 28**	**Aug 29**	**Aug 30**	**Aug 31**
Dept.: DESS **Subject:** Commerce **Topic:** Teaching and Learning about Poverty in Indian Schools **Expert:** Prof. Shipra Vaidya	**Dept.:** CIET **Subject:** ICT **Topic:** ICT in Education Curriculum **Expert:** Dr. Indu Kumar	**Dept.:** DEL **Subject:** Urdu **Topic:** Urdu Ghazal **Expert:** Prof. Mohd. Moazzamuddin	**Dept.:** PD **Subject:** Publication **Topic:** Publication Division of NCERT **Expert:** Prof. Siraj Anwar	**Dept.:** DESM **Subject:** Chemistry **Topic:** Metals and Non-metals II **Expert:** Prof. RK Parashar and Dr. Pramila Tanwar
Sept 03	**Sept 04**	**Sept 05**	**Sept 06**	**Sept 07**
GH	**Dept.:** DCS **Subject:** English **Topic:** Role of Literature in Language Learning **Expert:** Prof. Kirti Kapur	**Dept.:** DEL **Subject:** Sanskrit **Topic:** संस्कृत व्याकरण शिक्षण **Expert:** Prof. Jatindra Mohan Mishra & Dr. Neelkanth Kumar	**Dept.:** DTE **Subject:** Teacher Education **Topic:** Team building - Challenge and Opportunities **Expert:** Prof. Madhulika Patel	**Dept.:** DESM **Subject:** Physics **Topic:** Magnetic Effects of Electric Current **Expert:** Prof. Rachna Garg and Dr. Gagan Gupta
Sept 10	**Sept 11**	**Sept 12**	**Sept 13**	**Sept 14**
Dept.: DESS **Subject:** Economics **Topic:** Inflation and its Impact **Expert:** Prof. Neerja Rashmi and Dr. Bharat Bhushan, DU	**Dept.:** CIET **Subject:** ICT in Education **Topic:** FOSS in Education **Expert:** Dr. Mohd. Mamur Ali & Ms. Surbhi	**Dept.:** DEL **Subject:** Hindi **Topic:** भाषा शिक्षक: बदलते संदर्भ **Expert:** Prof. Sanjay Kumar Suman	**Dept.:** DER **Subject:** Research Methodology **Topic:** Concept of Action Research **Expert:** Prof. Naresh Kumar Gupta	**Dept.:** DESM **Subject:** Chemistry **Topic:** Solutions **Expert:** Prof. Alka Mehrotra and Dr. Ruchi Verma
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Dept.: DESS **Subject:** Economics **Topic:** Inflation and its Impact **Expert:** Prof. Neerja Rashmi and Dr. Bharat Bhushan, DU	**Dept.:** CIET **Subject:** ICT in Education **Topic:** FOSS in Education **Expert:** Dr. Mohd. Mamur Ali & Ms. Surbhi	**Dept.:** DEL **Subject:** Hindi **Topic:** भाषा शिक्षक: बदलते संदर्भ **Expert:** Prof. Sanjay Kumar Suman	**Dept.:** DER **Subject:** Research Methodology **Topic:** Concept of Action Research **Expert:** Prof. Naresh Kumar Gupta	**Dept.:** DESM **Subject:** Chemistry **Topic:** Solutions **Expert:** Prof. Alka Mehrotra and Dr. Ruchi Verma

Sept 17	Sept 18	Sept 19	Sept 20	Sept 21
Dept.: DESS **Subject:** Sociology **Topic:** Socialisation **Expert:** Prof. Manju Bhatt	**Dept.:** IRD **Subject:** History **Topic:** Civil Disobedience Movement **Expert:** Prof. Pratyusa Kumar Mandal	**Dept.:** DEL **Subject:** English **Topic:** Sound and Music in 'The Voice of the Rain' **Expert:** Dr. Meenakshi Khar	**Dept.:** DEE **Subject:** प्रारंभिक साक्षरता **Topic:** पढ़ना सीखने में बाल साहित्य की भूमिका **Expert:** Prof. Usha Sharma	**Dept.:** DESM **Subject:** Biology **Topic:** Congruence of Triangle for class 9th **Expert:** Prof. Dinesh Kumar
Sept 24	**Sept 25**	**Sept 26**	**Sept 27**	**Sept 28**
Dept.: DESS **Subject:** Geography **Topic:** Outreach Programme for teachers based on Geoportal School-Bhuvan **Expert:** Prof. Aparna Pandey	**Dept.:** CIET **Subject:** ICT **Topic:** Poster Design **Expert:** Shri Rajesh Kumar Nimesh	**Dept.:** DEL **Subject:** Urdu **Topic:** उर्दू सफरनामा **Expert:** Dr. Chaman Ara Khan	**Dept.:** C-DAC **Subject:** ICT **Topic:** Stay safe online **Expert:** Mr. Narasimha Rao	**Dept.:** DESM **Subject:** Mathematics **Topic:** Congruence of Triangle for class 9th **Expert:** Prof AK Wazalwar and Dr. T.P Sharma

Audio-video & Multimedia Production

Scripting

Script writing is a step which needs to be followed before an audio or video program. It is a written proforma of idea behind any program. Therefore, a good quality script written in a particular format is indispensable. A script has to 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 program 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. Following is the list of scripts that were placed before the script committee for assessment during July-September, 2018.

Scripts put up in script committee meeting during July-September 2018

क्रम सं.	आलेख का नाम	विषय	माध्यम विभाग	प्रारूप	बैठक की तिथि	लक्ष्य समूह	स्थिति
1	लखनऊ तथा वाराणसी कार्यशाला में विकसित आलेख	नागरिक शास्त्र 23	हिंदी	वीडियो	5.07.2018	माध्यमिक स्तर / उच्च माध्यमिक स्तर	सुधार हेतु प्रेषित
2	लखनऊ तथा वाराणसी कार्यशाला में विकसित आलेख	गणित 08	हिंदी	वीडियो	5.07.2018	माध्यमिक स्तर / उच्च माध्यमिक स्तर	सुधार हेतु प्रेषित
3	लखनऊ तथा वाराणसी कार्यशाला में विकसित आलेख	इतिहास 23	हिंदी	वीडियो	5.07.2018	माध्यमिक स्तर / उच्च माध्यमिक स्तर	सुधार हेतु प्रेषित

4	लखनऊ तथा वाराणसी कार्यशाला में विकसित आलेख	भूगोल 14	हिंदी	वीडियो	5.07.2018	माध्यमिक स्तर/उच्च माध्यमिक स्तर	सुधार हेतु प्रेषित
5	लखनऊ तथा वाराणसी कार्यशाला में विकसित आलेख	अर्थशास्त्र 10	हिंदी	वीडियो	5.07.2018	माध्यमिक स्तर/उच्च माध्यमिक स्तर	सुधार हेतु प्रेषित
6	लखनऊ तथा वाराणसी कार्यशाला में विकसित आलेख	विज्ञान 14	हिंदी	वीडियो	5.07.2018	माध्यमिक स्तर/उच्च माध्यमिक स्तर	सुधार हेतु प्रेषित
7	लखनऊ तथा वाराणसी कार्यशाला में विकसित आलेख	हिंदी 01	हिंदी	वीडियो	5.07.2018	माध्यमिक स्तर/उच्च माध्यमिक स्तर	सुधार हेतु प्रेषित
8	लखनऊ तथा वाराणसी कार्यशाला में विकसित आलेख	विज्ञान 45	हिंदी	वीडियो	5.07.2018	माध्यमिक स्तर/उच्च माध्यमिक स्तर	सुधार हेतु प्रेषित
9	सीखते गए 1 प्रचारक	जिंगलस	हिंदी सीआईईटी	ऑडियो	19.07.2018	अधिगम समुदाय	स्वीकृत
10	सीखते गए 2 प्रचारक	जिंगलस	हिंदी सीआईईटी	ऑडियो	19.07.2018	अधिगम समुदाय	स्वीकृत
11	सीखते गए 3 प्रचारक	जिंगलस	हिंदी सीआईईटी	ऑडियो	19.07.2018	अधिगम समुदाय	स्वीकृत
12	सीखते गए 4 प्रचारक	जिंगलस	हिंदी सीआईईटी	ऑडियो	19.07.2018	अधिगम समुदाय	स्वीकृत
13	सीखते गए 5 प्रचारक	जिंगलस	हिंदी सीआईईटी	ऑडियो	19.07.2018	अधिगम समुदाय	स्वीकृत
14	सीखते गए 6 प्रचारक	जिंगलस	हिंदी सीआईईटी	ऑडियो	19.07.2018	अधिगम समुदाय	स्वीकृत
15	सीखते गए 7 प्रचारक	जिंगलस	हिंदी सीआईईटी	ऑडियो	19.07.2018	अधिगम समुदाय	स्वीकृत
16	सीखते गए 8 प्रचारक	जिंगलस	हिंदी सीआईईटी	ऑडियो	19.07.2018	अधिगम समुदाय	स्वीकृत
17	सीखते गए 9 प्रचारक	जिंगलस	हिंदी सीआईईटी	ऑडियो	19.07.2018	अधिगम समुदाय	स्वीकृत
18	सीखते गए 10 प्रचारक	जिंगलस	हिंदी सीआईईटी	ऑडियो	19.07.2018	अधिगम समुदाय	स्वीकृत

19	सीखते गए 11 प्रचारक	जिंगलस	हिंदी सीआईईटी	ऑडियो	19.07.2018	अधिगम समुदाय	स्वीकृत
20	सीखते गए 12 प्रचारक	जिंगलस	हिंदी सीआईईटी	ऑडियो	19.07.2018	अधिगम समुदाय	स्वीकृत
21	हम सब समान प्रचारक	जिंगलस	हिंदी सीआईईटी	ऑडियो	19.07.2018	अधिगम समुदाय	सुधार हेतु प्रेषित
22	मेरी पाठशाला प्रचारक	जिंगलस	हिंदी सीआईईटी	ऑडियो	19.07.2018	अधिगम समुदाय	स्वीकृत
23	शिक्षा सबका अधिकार प्रचारक	जिंगलस	हिंदी सीआईईटी	ऑडियो	19.07.2018	अधिगम समुदाय	सुधार हेतु प्रेषित
24	बालिका शिक्षा और समानता प्रचारक	जिंगलस	हिंदी सीआईईटी	ऑडियो	19.07.2018	अधिगम समुदाय	स्वीकृत
25	सीखने का प्रतिफल प्रचारक	जिंगलस	हिंदी सीआईईटी	ऑडियो	19.07.2018	अधिगम समुदाय	सुधार हेतु प्रेषित
26	31 Chemistry Experiments	Chemistry	English-DESM	Video	24.09.2018	Sr. Secondary	Sent for modifications

Production

After the script is passed, programs are produced in various modes- audio or video. CIET-NCERT has an expertise in producing educational programs of various disciplines and subjects.

List of Audio programs produced during July-September 2018

Sr. No.	Name of Program	Producer	Duration of program	Target Group
1	Akshar ki Kahani Series- Programs on alphabets -प , फ , ब , भ , ट ,ठ , ड ,ढ (8 programs)	Smt. Vandana Arimardan	12 -15 mins each	Primary
2	Songs on Ancient Devotional Poetess of India -3 programs	Sh. Ajit Horo	3 - 4 mins each	Secondary
3	Songs on Ancient Devotional Poetess of India -3 programs	Smt. Vandana Arimardan	3 - 4 mins each	Secondary
4	Atal Tinkering Lab- 2 programs	Sh. Ajit Horo	35 secs each	General Audience
5	Swachh Vidyalay Puraskar- 3 programs	Sh. Ajit Horo	30 secs each	General Audience

6	Swachh Vidyalay Puraskar- 3 programs	Smt. Vandana Arimardan	30 secs each	General Audience
7	Seekhte Gaye - 11 Audio spots	-do-	45 secs -1:30 mins each	Teachers
8	SRG programs - 16 programs	Sh. Ajit Horo	8 -12 mins each	Teachers
9	SRG programs - 16 programs	Smt. Vandana Arimardan	-do-	Teachers
Total No. of Programs			62	

List of Video programs produced outside NCERT during July-September 2018

Sr. No.	Name of Program	Producer	Time of Recording	Date of Recording
1	5 min. Video for UNESCO	Smt. Sujata Lochab	9:30 to 1:30	19-07-2018
2	E-office Launch	Smt. Sujata Lochab	4:00 to 5:30	16-07-2018
3	National Conference on Ancient knowledge Science and Technology	Sh. Sudhir Saxena	9:00 to 5:30	17-07-2018 to 19-07-2018
4	EV assisment & CCA evaluation	Smt. Sujata Lochab	7:30 to 2:00	26-07-2018 and 27-07-2018
5	Munshi Prem Chand Jayanti	Sh. Buddhi Prakash Kukreti	9:00 to 1:00	31-07-2018
6	Independence Day celebration - NCERT	Sh. Sudhir Saxena	8:00 to 2:00	15-08-2018
7	Atal Thinking Lab	Sh. Mansukh Rathod	9:00	31-08-2018
8	Atal Thinking Lab	Sh. Sudhir Saxena	9:00	31-08-2018
9	NCERT – Foundation Day 1st September	Smt. Anita Malhotra, Sh. Buddhi Prakash	9:00 a.m to 2:00 p.m	01-09-2018
10	Swachh Vidhalya -2018	Smt. Sujata Lochab	7:00 to 5:00	05-09-2018 to 09-09-2018
11	Swachh Vidhalya -2018	Sh. Sudhir Saxena	7:00 to 5:00	06-09-2018 to 09-09-2018
12	Swachh Vidhalya -2018	Sh. Sudhir Saxena	5:00 to 6:00	05-09-2018
13	Swachh Vidhalya -2018	Smt. Anita Malhotra	5:00 to 8:00	06-09-2018 & 07-09-2018
14	Swachh Vidhalya -2018	Smt. Sujata Lochab	3:00 to 9:30	12-09-2018
15	Swachh Vidhalya -2018	Sh. Sudhir Saxena	6:15 to 4:30	12-09-2018
16	PM's video conference on Swachh Bharat	Sh. Sudhir Saxena	8:15 to 1:15	15-09-2018

17	Director's Byte/ Swachh Bharat	Smt. Sujata Lochab	8:15 to 1:00	15-09-2018
18	Swachh Vidhalya Puraskar- 2018	Smt. Sujata Lochab	9:30 to 2:00	18-09-2018
19	Programme on Sign Language	Sh. Sudhir Saxena	2:00 to 5:00	26-09-2018

List of programs produced for HRD Ministry during July-September, 2018

Sr. No.	Name of Program	Time of Recording	Date of Recording
1	HRM's Message	2:00 to 4:00	05-07-2018
2	HRM's Message	12:00 to 3:30	07-07-2018
3	HRM's video message	8:30 to 10:30	13-08-2018
4	HRM's National Flag Hosting	9:00 to 12:00	15-08-2018
5	HRM's Message	5:30 to 7:30	19-07-2018
6	HRM's National Flag Hosting	9:00 to 12:00	15-08-2018
7	HRM's video message	9:00 to 1:30	19-08-2018
8	HRM's Conference meeting of Ashoka Hotel	2:00 to 6:30 p.m	27-08-2018
9	HRM's video message	9:00 to 11:00	29-08-2018
10	Conference of MHRD in Shastri Bhawan	1:30 to 3:00 p.m	29-08-2018
11	MHRD Children Interaction in National Media Center	4:30 to 6:00 p.m	29-08-2018
12	HRM's Conference	7:00 to 2:00	16-09-2018
13	HRM's video message	9:00 to 11:00	26-09-2018

List of Video programs produced for NCERT during July-September 2018

Sr. No.	Name of Program	Producer	Rec-Medium Details	Date	Target Group
1	MOOCs	Smt. Savita	Recording in Edusat Studio - 136	03-07-2018	Hr. Secondary
2	SRG Workshop & MOOCs Platform	Smt. Sujata Lochab	BRD:- 2745, 2746, 2738, 2740 (NEUPA 2746, 2647)	10-07-2018 11-07-2018	Teachers & Hr. Secondary
3	Economics Lecture	Sh. Sudhir Saxena	BRD: 3330, 3331	24-07-2018 25-07-2018	Hr. Secondary

4	EV assessment & CCE evaluation	Smt. Sujata Lochab	BRD: 2712	30-07-2018	Primary
5	Puppet	Sh. Buddhi Prakash Kukreti	BRD: 3342	03-08-2018	Primary & Upper Primary
6	Cultivating Sensitivities Through EVS Studies (DEE)	Sh. Buddhi Prakash Kukreti	BRD: 3342 and 3236	03-08-2018	Primary
7	Independence Day	Smt. Sujata Lochab	BRD: 2715, 2723, 2741	16-08-2018 & 20-08-2018	General
8	Voice over Recording for Swachh Vidhalya – 2018	Sh. Harmeet Singh	--------	07-09-2018 & 08-09-2018	General
9	Workshop participants from DIET	Sh. Buddhi Prakash Kukreti	BRD: 3241, 3299	20-09-2018	Teachers
10	SRGs on ICT workshop	Smt. Anita Malhotra	BRD: 3348, 3349	26-09-2018	Teachers

Preview

For all the audio and video programs produced in CIET-NCERT, there is a process of assessment in order to maintain the quality of programs. This is done after the process of editing is over. All the programs made are previewed every Friday from 9.30 am before the programs are finalized offline. The list of previews done during July-September, 2018 has been given below:

List of programs previewed during July-September, 2018

Sr. No.	Name of the Program	Subject	Target Group	Type of Program	Duration (min)	Producer
1	अक्षर की कहानी प से पिंकू	हिंदी अकादमिक समन्वयक – डॉ. नीलकंठ कुमार	प्राइमरी	ऑडियो	15:00	श्रीमती वन्दना अरिमर्दन
2	राष्ट्रीय स्वच्छ विद्यालय पुरस्कार (दस प्रोग्राम) हर प्रोग्राम 02:00 मिनट का है	हिंदी और English	सामान्य	वीडियो	02:00	All Producers
3	जंक फूड, पशु पक्षी, स्वच्छ भारत	हिंदी	सामान्य	ऑडियो	5:00	श्री अजीत होरो
4	उर्दू अफसाना "मगर वो टूट गई"	हिंदी / उर्दू अकादमिक समन्वयक – डॉ. चमन आरा	उच्चतर माध्यमिक	ऑडियो	15:00	श्रीमती वन्दना अरिमर्दन
5	वायु श्वसन के दौरान कार्बनडाई ऑक्साइड गैस के विमुक्त होने का अध्ययन	विज्ञान (जीव विज्ञान प्रयोग) अकादमिक समन्वयक – डॉ. प्रतिमा कुमारी	माध्यमिक	वीडियो	10:00	श्री बुद्धि प्रकाश कुकरेती
6	अनधिमान वक्र विश्लेषण सिद्धान्त पर मिनी सेमिनार	अर्थशास्त्र अकादमिक समन्वयक – डॉ. प्रतिमा कुमारी	उच्चतर माध्यमिक	वीडियो	30:40	श्री सुधीर कुमार सक्सेना
7	Story of Silk moth	Science (English) coordinator- Dr. Ruchi Verma	Upper Primary	Audio	6:50	Sh. Ajit Horo
8	Micro Economics	Academic Coordinator – Dr. Jaya Singh	Senior Secondary	Video	28:14	Smt. Anita Malhotra
9	Rural Development-I	Academic Coordinator Prof. Neeraja Rashmi	Senior Secondary	Video	31:00	Smt. Anita Malhotra

10	संस्कृत गीतम भवबन्दन छेदक	हिंदी/संस्कृत अकादमिक समन्वयक – प्रो. कृष्णाचंद्र त्रिपाठी और डॉ. जतिन्द्र मोहन मिश्र	माध्यमिक	ऑडियो	06:00	श्रीमती वन्दना अरिमर्दन
11	हाइड्रोक्लोरिक अम्ल की जिंक धातु, सोडियम कार्बोनेट और सोडियम हाइड्रोऑक्साइड के साथ अभि क्रिया का अध्ययन	विज्ञान अकादमिक समन्वयक – प्रमिला तवंर	माध्यमिक	वीडियो	14:22	श्री बुद्धि प्रकाश कुकरेती
12	Writing a Notice	English Academic coordinator – Dr. R. Meganathan	Upper Primary	Video	16:48	Sh. Mansukh Rathod
13	A Tale of two Birds	English Academic coordinator – Dr. R. Meganathan	Upper Primary	Audio	14:00	Sh. Ajit Horo
14	To find the Value of v for different value of u in case of concave mirror and to find the Focal Length	Physics Experiment – Anuradha Mathur	Senior Secondary	Video	12.28	Sh. Buddhi Prakash Kukreti
15	Language matters: Sign Language Part-2	English Academic coordinator – Dr. R. Meganathan	Teachers	Video	22:18	Sh. Mansukh Rathod
16	गुन्चा–ए–शायरी नवाब मिर्जा दाग देहलवी	उर्दू (भाषा शिक्षा विभाग) अकादमिक समन्वयक – डॉ. चमन आरा	Upper Primary	ऑडियो	09:22	श्रीमती वन्दना अरिमर्दन
17	To find Focal of a Convex Lens by plotting graphs between U and V or I/U and I/V	Physics Expert – Anuradha Mathur	Senior Secondary	Video	13:26	Sh. Buddhi Prakash Kukreti
18	Sign Language Part-I	English Academic coordinator – Dr. R. Meganathan	Secondary	Video	25.45	Sh. Mansukh Rathod
19	A Pact with the Sun	English Academic coordinator – Dr. R. Meganathan	Upper Primary	Audio	15.00	Sh. Ajit Horo
20	Language Education	English Academic coordinator – Dr. R. Meganathan	Teachers	Video	32:00	Sh. Mansukh Rathod
21	राजेश जोशी – एक मर्मज्ञ कवि	हिन्दी अकादमिक समन्वयक – डॉ. नीलकंठ कुमार	माध्यमिक	ऑडियो	8:00	श्रीमती वन्दना अरिमर्दन
22	Listening Skill (Series Language Matter)	English Academic coordinator – Dr. R. Meganathan	Teacher	Video	32:00	Sh. Mansukh Rathod
23	Bachendri Pal	Social Science	Upper Primary	Audio	16:00	Sh. Ajit Horo
24	प्रयोगशाला संबंधी खतरे और उनके संकेत	Chemistry कार्यक्रम समन्वयक – डॉ. प्रमिला तंवर	माध्यमिक	वीडियो	18:15	श्री बुद्धि प्रकाश कुकरेती
25	I have a Dream: (Studio Versions)	Education Academic coordinator – Dr. Ruchi Verma	Elementary	Video	6:48	Sh. Buddhi Prakash Kukreti
26	कहानी कपडे की	हिन्दी अकादमिक समन्वयक – डॉ. रूचि वर्मा	उच्च प्राथमिक	ऑडियो	6:48	श्री अजीत होरो
27	अनधिमान वक्र विश्लेषण सिद्धान्त पर मिनी सेमिनार	अकादमिक समन्वयक – डॉ. प्रमिता कुमारी	उच्च माध्यमिक	वीडियो	30:40	श्री सुधीर कुमार सक्सेना

Quality assessment of media programs

CIET-NCERT has adopted a mechanism for reviewing audio, video and other multimedia e-contents before disseminating them on respective web portals which is done on a routine basis. Workshops are also conducted on regular basis to review programs received from different states for Shala Gunvatta (ShaGun) portal NROER, epathshala, MOOCs and DIKSHA. Workshop on validation of e-contents were organized 04-06 July, 09-10 July, 2018, 13-17 August, 2018 and during September, 05-07 September, 12-14 September, 2018, 17-19 September, 2018

ICT Forum

ICT and its integration into various subjects and in various ways into teaching-learning material is an important aspect. In order to facilitate that, every Wednesday presentations are done where, integration in-general (also subject-specific) or showcasing of various ICT tools is done. The list of presentations during this quarter has been given below:

Presentations done under 'ICT Forum' during July-September, 2018

Sr. No.	Topic of Presentation	Name of the presenter	Name of the Organization	Date of Presentation
1	Virtual Labs for science learning	Sana	EqualEd (USA)	4th July 2018
2	Open page platform	Naveen Kumar, Sanju Nair	Excelsoft Technologies	11th July 2018
3	PASCO ICT enabled "Spark Science Wireless ICT Kit" for Elementary, Middle and High Schools	Anupam Bhasin	Young India Films	18th July 2018
4	Animation for e-learning	Rama Siva	Anthro Power	25th July 2018
5	Learning through MOOCs	Dr. Mamur Ali	CIET-NCERT	2nd August 2018
6	MAPHA App for Teacher Training	Phani Kumar M	MAPHA	8th August 2018
7	Use of Robotics in education	Rajiv Bordoloi	AICRA	29th August 2018
8	OLabs for school lab experiments	Dr. M. Sasikumar	CDAC Mumbai	5th September 2018
9	Multimedia Contents for Educational Books	O.P. Arora	Multimedia and Contents for Educational Books	31st July 2018
10	Making reading come alive for children using technology	Kavish Gadia	Stones 2 Milestones	19th September 2018
11	E-content for teaching and learning	Harkanwal Singh Nehwal	Dragonlearn.in	26th September 2018

Dissemination of E-contents

Apart from production, CIET-NCERT is also instrumental in dissemination of the e-contents developed by it and by others. Total number of e-Resources uploaded in the open repository i.e. NROER for free use are 13,636 including- 401collection, 2,721 documents, 565 interactives, 1,664 audios, 2,581 images, 6,106 videos. The total no. of registered users till now has been 12,894.

ePathshala is a portal supported with app where there are e-resources of NCERT put up for use. The portal has 3,56,88,548 visitors, the app has a rating of 4.5 out of 5 on Google play store, 3 out of 5 on Apple store and 4.5 out of 5 on Windows Store. Till 30th September 2018, 1.74 million users have downloaded the app from various play stores. Total views of ePathshala on Youtube have been amounted to 19,752,775. Total books published on it as ePub are 698 while, there are 504 Flipbooks. Seven states, namely Andhra Pradesh, Delhi, Haryana, Karnataka, Mizoram, Manipur and Uttar Pradesh have submitted 152 digitized books.

PINDICS app had 34.91K downloads, PARAKH had 1.80K downloads whereas, KISHORE MANCH had 1.6K downloads. Apart from this, support to Haryana SCERT (digitization of its books), UP State i.e. to SIET Lucknow (YouTube channel), PSSCIVE-NCERT (uploading of books), SCERT Manipur (YouTube channel), DAE-MHRD (YouTube channel), Mauritius SSP (Webportal &YouTube channel creation,) was also provided by CIET-NCERT.

As nominated by MHRD, Central Institute of Educational Technology (CIET), NCERT is the national coordinator for SWAYAM PRABHA DTH TV channel (31) named as Kishore Manch. CIET provides contents related to secondary and senior secondary students and teacher education for 4 hours which gets repeated 5 times to make it 24X7 Channel. But, from the end of this quarter i.e. September, 2018 6 hours of transmission has started which gets repeated 3 times to make it 24x7.

As a pre-planning, the syllabus and schedules of secondary and senior secondary school level are examined month-wise and accordingly programs 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. The programs on performing arts, crafts, physical education, teacher education etc. are also included in the schedule. Apart from scheduling syllabus-based programs, the programs related to special days, festivals, national and international days/events are taken into consideration while developing weekly and monthly schedules. The motive of the channel is to provide access of quality education to every child of the country.

About 1,454 programs have been telecast on the Kishore Manch channel as per schedule between July to September 2018. It should be noted here that the total number includes the repetitions also. Among these 1454 programs, 603 were the lecture series of different subjects of class XI (307) and XII (296). Apart from lecture series, there were 388 programs covering the syllabus of secondary and senior secondary level. Similarly, teachers related 43 programs were also included in the schedule. Four hundred and twenty general programs related to art, culture, dance, music, and physical education have also been telecast on the channel between July to September, 2018.

Besides, the types of programs, the analysis of the schedule also reported the subject-wise categorization of programs (as given in the following table) between July to September, 2018.

Subject-wise categorisation of programs scheduled and telecast between July-September 2018

Subjects	No. of Programs telecast	% of Programs telecast
Sciences (Biology, Chemistry, Physics)	361	24.82
Social Sciences (Economics, Geography, History, Political Science, Sociology)	288	19.80

Art, Culture, Crafts, Dance and Music	148	10.17
Language	140	9.62
Mathematics	104	7.15
Psychology	61	4.19
Business Studies	43	2.95
Accountancy	37	2.54
Others	272	18.70
Total	1454	100

As shown in the above table, there were 361 and 288 programs related to different disciplines of sciences and social sciences respectively. One hundred and four programs included the Maths lecture series, Maths activities and other related programs. The schedule covered 148 programs depicting Indian art and culture through different series of videos. Similarly, language related programs (140) were mostly of Hindi language. Furthermore, Accountancy (37), Psychology (61) and Business Studies (43) subjects of senior secondary level were also placed in the schedule. 272 other programs were related to physical education, teachers, famous personalities, travelogues, environment and in general education.

The 2nd meeting of the Academic Advisory Committee of NCERT's channel # 31 under SWAYAM PRABHA initiative of MHRD was held on 23 July, 2018 CIET, NCERT, New Delhi. Prof. Amarendra P. Behera, Joint Director, CIET, NCERT chaired the meeting. The agenda of the meeting were:

(i) Confirmation of the Minutes of the previous meeting (ii) Action taken Report (iii) Review of channel functioning (iv) Review of Live-discussion (v) ePathshala Kishore Manch App (vi) Popularisation of the Channel (vii) Other related issues. Each agenda items were discussed in detail with suggestions to improve the channels' functioning.

CIET, NCERT has participated in the 4th SWAYAM PRABHA workshop held on 29 August, 2018 at AICTE Headquarters, New Delhi. The workshop was chaired by Shri R. Subrahmanyam, Secretary (HE), M/o HRD. He launched the SWAYAM PRABHA newsletter. Further, he emphasized the requirement of new content production, vision of the channels, improvement in pedagogy techniques & presentation quality, and marketing strategies to make the channels more popular and increase viewership. In the workshop, all 32 DTH-TV Channels presented their transmission report with identified gap areas and action plan. Prof. Amarendra P. Behera, National Coordinator of SWAYAM Prabha Channel #31 i.e. Kishore Manch, presented the Content areas for telecast, Gap areas, Production strategy, Feedback from the viewers, and Action plan related to scheduling, transmission, production, promotion and dissemination of the channel. The workshop ended with the vote of thanks proposed by Smt. Malathi Narayanan, Deputy Secretary (TEL), MHRD.

Participation in Conferences/Seminars and Publication

On 18-19 July, 2018 Prof. Amarendra P. Behera attended 'A State Consultation on Revitalizing Teacher Education System of the State –Looking Backward and Looking Forward', for consultation at Directorate of Teacher Education and SCERT, Odisha, Bhubaneswar.

Prof. Amarendra P. Behera joined as one of the panelists of DD India on 'Role of teachers in building the nation' for the New India Sankalp program telecast on 5 September, 2018 where, he talked about 'Role of technology in education'. https://youtu.be/mGmF-sLut78

Prof. Amarendra P. Behera attended the Sustainable Education Meeting 2018, Reinforcing Partnership (SDGs 4 & 17)-SUSTAINABLE EDUCATION & TECHNOLOGY- EFFECTIVE ACHIEVEMENTS, 27th & 28th September, 2018, as a speaker where he spoke on the topic, 'The Main Trends of Technology in Education in India' on 28th September 2018 under the 'India@EDU: ICT Ecosystem' session from 2:20-03:00 PM in New York City, United States of America (USA). The VII meeting aimed at reinforcing and enlarging the cooperation between stakeholders, in line with "SDG 17- Partnerships for the Goals" and consolidating a new approach focused in SDGs as well as broadening its scope. https://millenniumedu.org/sem_nyc_2018/

Dr. Indu Kumar participated as a panelist in the Principal's Conclave for Education Times 23-24 September, 2018 in the session 'Digital Transformation of Schools', New Delhi. She also gave lecture on 'Creating blogs/Digital Stories' on 27 September, 2018 in a seminar organized by Kamal Institute, New Delhi.

A research paper on 'Private Schools: A Study of Availability of Infrastructural Facilities and Exclusion of Poor' by Nidhi Singh got published in Journal of Social Inclusion Studies, published by Indian Institute of Dalit Studies (IIDS), New Delhi, ISSN 2394-4811, Vol. 02, No. 02, January–June 2016, pp 93-106.

Awards and Honors

Smt. Vandana Arimardan of CIET production team received the 'Saptak Shishu Sahitya Sansad Special Award- 2018' for her contribution in Hindi translation of the Oriya poems. The award was given by Saptak Foundation, Bhubaneswar, Odisha.

Visitors

CIET-NCERT has been regularly facilitating enhancement of knowledge of students, teachers and teacher educators through various means. One such way is to orient them through visits done to the institution. During these visits they are introduced to the various initiatives of the institution and the manner in which audio-video and multimedia productions are done. The detail of visits done during this quarter of the year has been given below:

Sr. No.	Name of the Institution	Date of visit	No. of participants
1	NIEPA, New Delhi: Field Visit for the Participants of Third International Program for Educational Administrators (IPEA) (Students and faculty)	20 July 2018	20
2	NIEPA, New Delhi: Field Visit for PGDEPA Participants (Students and faculty)	20 September 2018	32

Retirement

Sr. No.	Name & Designation	Date	Remarks
1	Sh. Rajinder Kumar, Store Keeper Grade-II	31.8.2018	Retired from E-III Section
2	Sh. Kishori Lal Sharma, LDC	31.8.2018	Retired from E-II Section
3	Sh. Avtar Singh Sahni, Set Designer	30.9.2018	Retired from CIET

Promotions

Sr. No.	Name & Designation	Date	Remarks
1	Smt. Victoria Minz, Section Officer	24.7.2018	Promoted as Under Secretary and posted to PSSCIVE, Bhopal Relieved on 24.7.2018

India signed a MoU with Curtin University, Australia on 2 July, 2018 to advance quality in school and teacher education. The collaboration aims at training about 87 lakh Indian teachers through webinars and Massive Open Online Courses (MOOCs) and CIET aims at contributing with its technological expertise. The Hon'ble Ministry of HRD, Govt. of India; Vice Chancellor, Curtin University; Director, NCERT graced the occasion.

A talk was organized by CIET-NCERT on 'Global Trends in Education & Technology' which was delivered by Ms. Paige Johnson on 2 August, 2018. Members of CIET and NCERT participated in it.

58th Foundation Day of NCERT was celebrated on 1st September 2018 where, CIET also participated in it showcasing its various initiatives.

Under the "Swachhta Hi Seva (SHS) Abhiyan" campaign on 20 September, 2018 members of CIET participated voluntarily and put effort in cleaning the surroundings. Now, every Thursday/Friday this act is taken up for contributing in the "Swachhta Abhiyan".

MoU between NCERT and Curtin University, Australia

Planning meeting with NIE Departments for QR code generation

Talk on Global Trends in Technology

Participants in workshop on Plagiarism, Mendeley Reference Tool and Koha

Workshop on font conversion to Unicode for NCERT textbooks

Members of CIET for Swachhta Abhiyan

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ePathshala	NROER	CIET	SWAYAM

SWAYAM PRABHA	ICT CURRICULUM	ITPD	PINDICS

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