## ePathshala Augmented Reality App



ePathshala AR app was launched by the MoS, MHRD on 23rd December, 2019. The app contains e-contents of Augmented Reality for Science subjects and are embedded in the NCERT textbooks.

# National ICT Awardees 2017

National ICT Award 2017 was conferred on 43 school teachers in a ceremony held on 23rd December, 2019. The awardees consist of school teachers all across the country. The Hon'ble Minister, MHRD, GoI interacted with the awardee teachers.



The NISHTHA mega training programme had 69,233 trained heads and 5,77,309 trained teachers all across the country. The training aims to train more than 40 lakhs teachers.



A comic book was planned in collaboration with Manipur for Class 3 for Mathematics subject and 14 storyboards were developed.

# From the Joint Director's Desk

It gives me immense pleasure to write about the activities taken up by CIET during this quarter. The institution has been a centre for research, development, training and extension programmes related to ET and ICT. National ICT Award is one such initiative that is conferred to the school teachers who have done exemplar work in the field of ICT with respect to their own subjects. It is an initiative to recognize their efforts and honour them for the same. During this quarter, the National ICT Award 2017 was given to 43 such school teachers. The Minister of State for HRD, Shri Sanjay Shamrao Dhotre conferred National ICT Awards. The ceremony was organized at the Dr. Ambedkar International Convention Centre, New Delhi on 23 rd December, 2019. Later, an informal interaction with the awardee teachers was done by the Union Human Resource Development Minister Shri Ramesh Pokhriyal 'Nishank'.

Apart from giving a token of appreciation for their work, the ICT awardee teachers are also given with a responsibility to function as ICT Ambassadors in widening the outreach of ICT in education. This is possible through their continuous efforts by mentoring other teachers and also by developing entrepreneurial skills among the students, in order to develop a skilled human workforce. The MHRD, while giving importance to ICT, envisions ensuring higher coverage, easier access and enhanced quality of e-contents for teaching and learning, training of teachers to effectively handle technology aided teaching, technologically enabled monitoring of hardware, e- content usage and online assessment.

The ePathshala Augmented Reality (AR) app was also launched by the MoS during the ceremony of National ICT Award. The e-content developed using the latest technology of AR is embedded in the existing textbooks of NCERT. These resources can be accessed using the ePathshala AR app available on the PlayStore. Right now, there are around 75 such e-contents which are of Science subjects.

Alongwith this, CIET has undertaken its regular activities under the approved programmes. This includes, research study at block-level, development of e-content and programmes under various categories, activities under ICT curriculum, training of SRGs and teachers under NISHTHA and telecast of educational programmes through DTH TV Channel, etc. CIET will be undertaking other such programmes in the field of ET and ICT in the future also and we will keep all our stakeholders informed on these through our newsletters.

**Amarendra P. Behera**

## Research

Under the **Need based ICT Interventions in elementary schools in Six blocks in India**, tools for field work have been finalised and have already been translated into Hindi and Odiya while they are being translated in Kannada and Bangla languages. Data collection from Hurda Block, District Bhilwara in Rajasthan and Chilika Block, District Khurda in Odisha has been completed while data entry of the tools has been initiated.

# Development

In Development of ICT courses for Pre-service Teacher Education curriculum, ET/ICT curriculum documents have been collected (online and offline) from Teacher Education Institutions like Central Universities, State Universities, CTEs, IASE etc. and the criteria for evaluating the ET/ICT curriculum documents is being prepared.

Within the Development and Dissemination of Educational Media Programs audio and video productions are done. Within Audio Production; 14 audio programs produced including 2 programs in Urdu from &#39;Apni Zuban&#39; of Class 6 th were produced in October and 22 programmes (11 programmes for sign language (Hindi); 01 programme for teachers; 01 programme in Urdu for Gandhi; 08 audiobooks (English) for Classes IX &amp; XI and 01 programme of new Media package on Gandhi for UP) were produced in November. December had heavier production where, 8 Programs from Audio Book Woven Words 9 programs from audio books Apni Zaban - Part-2 (Urdu) 1 program 'Chuskit Goes to School'- from the book Look Around for class-4 2 Audio jingles in English and Hindi for Kala Utsav 43 programs of 01 minutes and 1 program of 4 minutes for the National ICT Awards 2017 were produced.
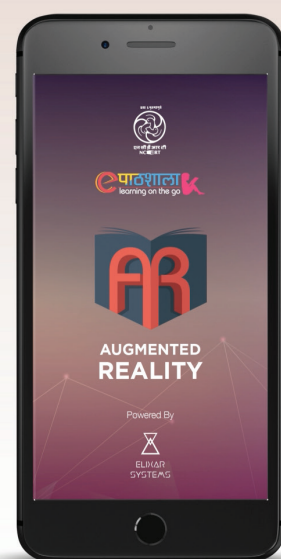
Under the Video Production, 98 programs (08 programmes for sign language (Hindi), 08 programmes as video lectures for MOOCs Chemistry and Urdu (4 each), 03 programmes for BPRD Officials during training, 43 + 1 programs for National ICT Award 2017 1 Kala Utsav Video jingle 8 programs on sign language 1 program on Chemistry) have been produced in this quarter. 82 episodes daily (4 pm to 4:30 pm) and 15 episodes (4:45 pm to 5:15 pm) on Educational administration (30 min. each) every Friday live discussion were transmitted on SWAYAM Prabha DTH-TV Channel and YouTube channel of NCERT in this quarter. On the other hand, 552 hours of content was telecast on SWAYAM Prabha Channel 31 'Kishore Manch'. The details of all these telecast have been given later in the newsletter. During this quarter, 37 programs (Audio, Video and Interactives) were reviewed through preview meeting held on every Friday.

In the Development and launch of Online Certificate Course on Research Methodology in Education one video on Concept of Research was produced

during this quarter to evaluate and finalize the format. 25 programs on various topics of Research Methodology have also been recorded and editing of these videos is in progress.

Under the Development of e-resources for the School and Teacher Education, a workshop for development and finalization of scripts on Augmented Reality (AR) was organised from 27-29 November, 2019. In this workshop 54 scripts were developed and finalized. Another workshop was organized from 20 December, 2019-05 January 2020. In this workshop, 12 AR contents were developed, 35 Voice-Overs were synchronized and 23 scripts were developed for Physics, Chemistry ,Biology (for Classes IX, X).

14 storyboards were developed for comic book on Mathematics for class 3 for Manipur. Some of these are as follows:

- The fun class of Mr. Shanu
- Play with pattern
- Time goes on talking calendar
- Time goes on my little talking clock
- Rupees and Paise, etc

The animation for the story Bishen ki Dileri (Class V) was developed in this quarter whereas, Story on Chawal ki Rotiyan (Class IV) is being developed. Two animated stories were developed and finalised on Swatantrata Ki oar (Class IV) and & Raat bhar Chinghadte Rahe (Class V). A workshop was organised on the development of comic book on Mathematics for class 3 for Manipur from 04-08 November, 2019. In this workshop 07 Storyboards were developed.

Software Requirement for System (SRS) for the web portal and Wire Framework is being developed under the Development and implementation of SAMADHAN (One Stop Technology solution to School).

Development and rollout of ICT curricula for ICT in Education in States/UTs is another program under development. Within this, finalisation of e-portfolio activities for induction

01 course of teacher curriculum was done. Piloting workshop mode of assignments and tryout of work mode of portfolio submission was completed

in Karnataka. Customisation of refresher 1 rubrics for Karnataka in progress while 03 handouts of student course - year 1 has been developed and handed over to Karnataka. Similarly, designing of course structure for refresher 03 and admin course on LMS was initiated in this quarter. Assessment of induction 01 course of ICT awardees is in progress. Class-wise mapping of games - Gcomprise, Eduactive8 according to NCERT syllabus is also in progress.

## Training:

In Organization of Online Certificate Course on Action Research in Education, the course was started in this quarter. Credentials have already been sent to participants and they introduced themselves on discussion forum. The initial test is scheduled on 4 January, 2020.

Under the Development of model for ICT integrated school system, the Israel collaboration project was initiated at DMS, Mysore while collaboration project for DMS Bhopal and Bhubaneswar was being initiated. As part of Israel Online school programme, students of DMS, Mysore completed two collaborative activities. Planning of cyber parenting session in DM Schools is in progress. Around 400 games were identified and mapping was initiated to NCERT syllabus. Follow up with DMS teachers on refresher course, portfolio submission is

in progress.

Three ICT lab activities were conducted for 5th standard students of KV Primary School, NCERT campus.

## Extension

In Online Publication of Indian Journal of Educational Technology and Newsletter, Peer-review and final review of all the manuscripts of the 3rd issue of CIET's journal, Indian Journal of Educational Technology was done and the 3rd issue i.e. January, 2020 issue got published on CIET's website. CIET's Newsletter July-September 2019 and October-December, 2019 issue has been published online on CIET's website (https://ciet.nic.in/NewsletterJuly-Sept-2019/index.html#page=1)

Under Resource-cum-Activity Centre in ET/ICT for School and Teacher Education, 225 B.Ed. & DIET students from University of Delhi, Guru Gobind Singh Indraprastha University, Delhi and 57 from Class IX-XII Students of Vocational Course (IT) under NSQF from SKV No. 2, Punjabi Bagh, Delhi visited CIET for exposure. TEIs and Attachment training programme during this quarter was 66. Internship for 03 M.Ed. students of RIE, Bhopal and 14 students from Shri Lal Bahadur Shastri Rashtriya Sanskrit Vidyapeetha (SLBSRSV), New Delhi and Department of Education, University of Delhi completed their internship at CIET.

A nominee receiving the National ICT Award 2017 from the MoS, MHRD, GoI

# Other Programmes:

Under the Development of Resources and Support for Web and Online Activities maintenance of the following web portals are being done on a regular basis: http://www.ncert.nic.in/, https://ciet.nic.in/, https://itpd.ncert.gov.in/, http://epathshala.nic.in/, https://ictcurriculum.gov.in, https://ictschools.ncert.gov.in, https://nroer.gov.in/welcome, https://pindics.ncert.gov.in, http://osre.ncert.gov.in, https://ncertbooks.ncert.gov.in, https://kalautsav.in, http://aeparc.org, https://ssp.moemu.org/, https://scertonline.tripura.gov.in/index.jsp 10 ERIC reports were analysed, abstract were prepared and uploaded on the online survey of research in education (http://osre.ncert.gov.in/)

For the Development of course materials for MOOCs on SWAYAM (School MOOCs for Classes 9 th – 12 th and MOOCs for Teacher Education) a total of 26 courses were launched on October 1, 2019. Three workshops were organised for enriching scripts, reviewing of enriched scripts and recording of reviewed scripts. One course for teachers on Action Research got started in November, 2019. 48,683 learners got enrolled in 27 courses. Local Chapter programme for NCERT MOOCs was started and 08 schools were visited.

Another programme i.e. Development and Maintenance of Mobile Apps and Digital Platforms (e-Pathshala and NROER) for e-Pathshala. In ePathshala:

2 workshops were organised of 5 days each (14-18 October, 2019 and 21-25 October, 2019) for the conversion of NCERT Urdu textbooks to Unicode font; 15 textbooks converted. Another five day workshop was organised from 18-22 November, 2019 for the conversion of Urdu medium NCERT textbooks to UNICODE and 08 textbooks were converted. Total number of textbooks (in Urdu medium) converted to Unicode till November, 2019 was 23. QR code for 01 textbook was created. DIKSHA: Metadata sheet of 54 NCERT textbooks from class 1st to 10th have been finalised. 10 textbooks with mapped e-resources were made live on DIKSHA Platform.

In NROER, analysis of version 2 of NROER and preparation of report was done and as a result, a new wire-frame for NROER V.2 was developed. Coordination with Mumbai team for procuring the CSVs for 14,440 resources was done. 12 H5P contents (for Maths Primary) and 49 other e-content were created. A one-week long workshop was organized on Revision of metadata for different curricular subjects theme mapping from 11-15 November, 2019 in which metadata of 1500 e-resources revised and curated, theme mapping was done for Social Science, Mathematics, Accountancy, Business Studies, Environmental Sciences, Biology, Physics and Chemistry. An analysis and review of NROER version 2.0 interface

was carried out from an academic and technical point of view. Based on the observations of the entire team, a report has been prepared for consideration by Mumbai team in order to improve the functioning and User Experience of the present version. A two-day workshop was conducted from 10-11 December, 2019 to review 50 e-content (interactives) for NROER.

ePathshala Augmented Reality Mobile App was launched by MoS, MHRD-GoI on 23 December, 2019 at Dr. Ambedkar International Convention Centre, New Delhi.

Under National ICT Award for School Teachers, National ICT Award 2017 ceremony was conducted on 23 December, 2019 at Dr. Ambedkar International Convention Centre, New Delhi where 43 teachers were conferred the award by the MoS, MHRD. Secretary and Joint Secretary, Deptt. of SE&L, MHRD and Director, NCERT also graced the occasion. The award included a certificate, a silver medal, a laptop, a VR kit and a pendrive.

Under the Organization of Festival, ICT Mela, contests of digital contents and coordination with States/ UTs, advertisement of festival was published in national newspapers and brochure, digital banner and online application form were uploaded of CIET website during October, 2019. Invitations of festival is being sent to all the concerned like RIEs, EMMRCs, National level

organisations and Central Universities etc. Last date of receiving the entries of festival was extended upto 30 December, 2019. Total no. of Entries received for the festival through online mode is 467 while the dates of festival have been finalized as 22 - 24 February, 2020. The festival and Mela will be held at Cochin University of Science and Technology, Kochi, Kerala. Tentative list of organisations bearing the stalls for ICT Mela has been prepared.

The possibilities of using Satellite Communication with the help of SATCOM-ISRO in Continuous Professional Development of Teachers and teacher educators are being explored under the Professional Development of Teachers and Teacher Educators through Blended Mode (Satellite network and Face to Face Mode). A Joint Committee (with ISRO) is being formed to finalise technical specifications for procuring Hub.

Under the Development and dissemination of ETV Programmes through DTH – TV Network for Schools, responses of 29 institutions, those who have responded to the letter sent for the status of the DTH network are being analysed for further action. Several reminders have been sent to different states and 03 states have shown interest.

# Live Discussion on SWAYAM PRABHA

| Sr. No. | Topic | Subject | Expert/s | Affiliation | Date | Start Time | End Time |
|---|---|---|---|---|---|---|---|
| 1 | महात्मा गाँधी की 150वीं जयंती पर विशेष – 'गाँधी जीः एक विद्यार्थी एवं शिक्षक के रूप में' | General | श्री लक्ष्मी दास, श्री बसंत सिंह | उपाध्यक्ष, हरिजन सेवक संघ संयोजक, सिद्धगिरी कारीगर ज्ञानपीठ, कनेरी, कोल्हापुर | 2019-10-01 | 4:00 PM | 5:00 PM |
| 2 | Networking among Teacher Education Institutions | Teacher Education | Dr. Jitendra Kumar Patidar | Dept. of Teacher Education, NCERT | 2019-10-03 | 4:00 PM | 4:30 PM |
| 3 | Relations and Functions - Part 3 | Mathematics | Prof. A. K. Wazalwar & Prof. T. P. Sarma | Dept. of Education in Science and Mathematics, NCERT | 2019-10-04 | 4:00 PM | 4:30 PM |
| 4 | Leading School Community Partnerships | School Leadership | Dr Sunita Chugh and Dr Charu Malik | National Centre for School Leadership, NIEPA, New Delhi | 2019-10-04 | 4:45 PM | 5:15 PM |
| 5 | Intellectual Property Rights in Business | Business Studies | Prof. Shipra Vaidya | Dept. of Education in Social Sciences, NCERT | 2019-10-07 | 4:00 PM | 4:30 PM |
| 6 | शिक्षा और गाँधी | Hindi | Prof. Sandhya Singh | Dept. of Education in Languages, NCERT | 2019-10-09 | 4:00 PM | 4:30 PM |
| 7 | Exemplar Bridge Course for Out of School Children | Elementary Education | Prof. Suniti Sanwan | Dept. of Elementary Education, NCERT | 2019-10-10 | 4:00 PM | 4:30 PM |
| 8 | The Chemistry of Water – 2 | Chemistry | Prof. Anjni Koul and Prof. Alka Mehrotra | Dept. of Education in Science and Mathematics, NCERT | 2019-10-11 | 4:00 PM | 4:30 PM |
| 9 | Effect of School Leadership on Student Learning | School Leadership | Dr. N. Mythili | National Centre for School Leadership, NIEPA, New Delhi | 2019-10-11 | 4:45 PM | 5:15 PM |
| 10 | पर्यटन पर्व | Social Science | Prof. Gouri Srivastava & Prof. Aparna Pandey | Dept. of Education in Social Sciences, NCERT | 2019-10-14 | 4:00 PM | 4:30 PM |
| 11 | ' Special Teachers and Regular Teachers ' (Roles & Responsibilities in Inclusive Education) | Inclusive Education | Dr. Bharti | Dept. of Education of Groups with Special Needs, NCERT | 2019-10-15 | 4:00 PM | 4:30 PM |
| 12 | Urdu Literary Schools and Movements | Urdu | Prof. Mohd. Faruq Ansari | Dept. of Education in Languages, NCERT | 2019-10-16 | 4:00 PM | 4:30 PM |
| 13 | Editing of NCERT Textbooks | General | Bijnan Sutar | Publication Division, NCERT | 2019-10-17 | 4:00 PM | 4:30 PM |
| 14 | Combustion and Flame | Science | Dr. Pramila Tanwar | Dept. of Education in Science and Mathematics, NCERT | 2019-10-18 | 4:00 PM | 4:30 PM |

| 15 | School Leadership: Executing Multiple Roles and Responsibilities | School Leadership | Dr. Charu Malik & Dr. Kalpana Sharma | National Centre for School Leadership, NIEPA, New Delhi & S.V. Govt. Model School, Banera Bhilwara, Rajasthan | 2019-10-18 | 4:45 PM | 5:15 PM |
|----|---|---|---|---|---|---|---|
| 16 | Myths about Growing up | General | Dr. Sushma Dureja & Mr. Harish Meena | Additional Commissioner (Adolescent Health), Ministry of Health and Family Welfare & Dept. of Education in Social Sciences, NCERT | 2019-10-21 | 4:00 PM | 4:30 PM |
| 17 | Gender-based Violence in School | Gender in Education | Prof. Mily Roy Anand & Punita Gupta | Department of Gender Studies, NCERT & Aditi Mahavidyalaya, Delhi University | 2019-10-22 | 4:00 PM | 4:30 PM |
| 18 | Appreciating Poetry : The Ball Poem - John Berryman | English | Prof. R. Meganathan | Dept. of Education in Languages, NCERT | 2019-10-23 | 4:00 PM | 4:30 PM |
| 19 | Research Schemes of Division of Educational Research NCERT | Research | Dr. Meenakshi | Division of Educational Research NCERT | 2019-10-24 | 4:00 PM | 4:30 PM |
| 20 | Introduction about Educational School Kits | Education | Prof. Vijay Pal Singh | Division of Educational Kits NCERT | 2019-10-25 | 4:00 PM | 4:30 PM |
| 21 | Women in School Leadership | School Leadership | Dr. N. Mythili | National Centre for School Leadership, National Institute for Educational Planning and Administration, New Delhi | 2019-10-25 | 4:45 PM | 5:15 PM |
| 22 | Slowdown in Indian Economy - Part 2 | Economics | Dr. M. V. Srinivasan | Department of Education in Social Sciences, NCERT | 2019-10-28 | 4:00 PM | 4:30 PM |
| 23 | Managing Conflicts in the Classroom | General | Ms. Deepmala | Dept. of Educational Psychology & Foundations of Education, NCERT | 2019-10-29 | 4:00 PM | 4:30 PM |
| 24 | सूर्यकांत त्रिपाठी 'निराला' की दो कविताएं | Hindi | डॉ. प्रमोद कुमार दुबे | Dept. of Education in Languages, NCERT | 2019-10-30 | 4:00 PM | 4:30 PM |
| 25 | Quality Improvement in Pre-Schools | Pre Primary Education | Dr. Reetu Chandra | Dept. of Elementary Education, NCERT | 2019-10-31 | 4:00 PM | 4:30 PM |
| 26 | Developing Effective Teacher Leadership in Schools | School Leadership | Dr. Subitha G. V | National Centre for School Leadership, NIEPA, New Delhi | 2019-11-01 | 4:45 PM | 5:15 PM |
| 27 | Financial Statements of a company | Accountancy | Prof. Shipra Vaidya and Dr. G. S. Grewal | Dept. of Education in Social Sciences, NCERT | 2019-11-04 | 4:00 PM | 4:30 PM |
| 28 | Art history and its relevance for secondary students | Art Education | Dr Jyotsna Tiwari | Department of Education in Arts and Aesthetics | 2019-11-05 | 4:00 PM | 4:30 PM |
| 29 | Josh Malihabadi and his poem 'Albeli Subh' - an analysis | poetry | Prof. Mohd. Moazzamuddin | Dept. of Education in Languages, NCERT | 2019-11-06 | 4:00 PM | 4:30 PM |
| 30 | How to tackle pollution | Environment Studies | Rajesh K. Baderia and Vivek Chattopadhyaya | National Thermal Power corporation; Centre for Science and Environment | 2019-11-07 | 4:00 PM | 4:30 PM |
| 31 | Vidyut Dhara | Science | Dr. Shashi Prabha | Department of Education in Science and Mathematics | 2019-11-08 | 4:00 PM | 4:30 PM |
| 32 | Leading School Administration: Mobilizing Physical and Human Resources | School Leadership | Dr. Charu Malik and Shri Awanindra Singh | National Institute for Educational Planning and Administration, New Delhi; S.S. +2 High School, Ranchi, Jharkhand | 2019-11-08 | 4:45 PM | 5:15 PM |
| 33 | Sharing of Researches: Glimpse of the Study of Select Ashram Schools of Chhattisgarh | General | Prof. Gouri Srivastava | Dept. of Education in Social Sciences, NCERT | 2019-11-11 | 4:00 PM | 4:30 PM |

| 34 | अल्लामा इक़बाल की नज़्म 'एक आरज़ू' की तदरीस | Urdu | Prof. Mohd. Faruq Ansari | Dept. of Education in Languages, NCERT | 2019-11-13 | 4:00 PM | 4:30 PM |
|----|------|------|------|------|------|------|------|
| 35 | Support Material for Teachers - Special Training Centres for OoSC under RTE Act - 2009 | Teacher Education | Dr. Sarla Verma | Dept. of Elementary Education, NCERT | 2019-11-14 | 4:00 PM | 4:30 PM |
| 36 | School Heads as Academic Leaders | School Leadership | Dr. N. Mythili | National Centre for School Leadership, NIEPA, New Delhi | 2019-11-15 | 4:45 PM | 5:15 PM |
| 37 | Teaching-Learning Resources in Social Sciences | Teacher Education | Prof. Neeraja Rashmi | Dept. of Education in Social Sciences, NCERT | 2019-11-18 | 4:00 PM | 4:30 PM |
| 38 | Portfolio: A means to Record and Report Child's Progress | Teacher Education | Dr. K. V. Sridevi | Department of Curriculum Studies, NCERT | 2019-11-19 | 4:00 PM | 4:30 PM |
| 39 | Teaching of Poetry | Teacher Education | Prof. Kirti Kapur | Dept. of Education in Languages, NCERT | 2019-11-20 | 4:00 PM | 4:30 PM |
| 40 | Recent Trends in ICT in Education | Information Technology | Prof. Jessy Abraham and Dr. Alka Singh | Jamia Millia Islamia and CIET, NCERT | 2019-11-21 | 4:00 PM | 4:30 PM |
| 41 | Adolescence and Menstruation | Biology | Dr. Pushp Lata Verma | Dept. of Education in Science and Mathematics, NCERT | 2019-11-22 | 4:00 PM | 4:30 PM |
| 42 | Leading Teacher Professional Development: Role of School Head | School Leadership | Dr. Ajay Choubey and Dr. Kashyapi Awasthi | Rajkiya Pratibha Vikas Vidyalaya and National Institute for Educational Planning and Administration, New Delhi | 2019-11-22 | 4:45 PM | 5:15 PM |
| 43 | Importance of Indian Constitution | Political Science | Prof. Shankar Sharan and Ms. Vinita Singh | Dept. of Education in Social Sciences, NCERT ; Trustee-We, the People | 2019-11-25 | 4:00 PM | 4:30 PM |
| 44 | Cybergogy | ICT in Education | Dr. Angel Rathnabai | Central Institute of Educational Technology, NCERT | 2019-11-26 | 4:00 PM | 4:30 PM |
| 45 | Teacher Education in India - Changing Perspective | Teacher Education | Prof. M.A Sudhir | Gandhigram Rural University | 2019-11-27 | 4:00 PM | 4:30 PM |
| 46 | Integration of ICT in Social Sciences | Teacher Education | Dr. Nidhi Singh | Central Institute of Educational Technology, NCERT | 2019-11-28 | 4:00 PM | 4:30 PM |
| 47 | Building and Leading Teams | School Leadership | Dr. Charu Malik | National Centre for School Leadership, NIEPA, New Delhi | 2019-11-29 | 4:45 PM | 5:15 PM |
| 48 | Environmental Education in Subject Disciplines | Environment Studies | Dr. C.V. Shimray | Dept. of Education in Science and Mathematics, NCERT | 2019-11-29 | 4:00 PM | 4:30 PM |
| 49 | Slowdown in Indian Economy: Causes and Remedies | Economics | Dr. Pratima Kumari & Dr. Saurabh Malhotra | Dept. of Education in Social Sciences, NCERT & Broadways International School, Gurugram | 2019-12-02 | 4:00 PM | 4:30 PM |
| 50 | स्वरसन्धिः — सामान्य परिचयः | Sanskrit | Dr. Ved Prakash Mishra | Dept. of Education in Languages, NCERT | 2019-12-03 | 4:00 PM | 4:30 PM |
| 51 | भाषा, साहित्य और किशोर मनः समसामयिक सन्दर्भ | Hindi | Dr. Neelkanth Kumar | Dept. of Education in Languages, NCERT | 2019-12-04 | 4:00 PM | 4:30 PM |
| 52 | Changing Role of Libraries in the Internet Era | Library Science | Ms. Pooja Jain | Library and Documentation Division, NCERT, New Delhi | 2019-12-05 | 4:00 PM | 4:30 PM |
| 53 | Specific Learning Disability (Dyslexia): School Contexts | School Leadership | Prof. Veera Gupta | National Institute for Educational Planning and Administration, New Delhi | 2019-12-06 | 4:45 PM | 5:15 PM |
| 54 | Neutralization Reaction | Science | Prof. Ruchi Verma | Dept. of Education in Science and Mathematics, NCERT | 2019-12-06 | 4:00 PM | 4:30 PM |

| 55 | Bioprocess Engineering | Science | Prof. Sunita Farkya | Dept. of Education in Science and Mathematics, NCERT | 2019-12-13 | 4:00 PM | 4:30 PM |
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| 56 | Data Requirements for Evidence- based Planning: Role of School Heads | School Leadership | Dr. Suman Negi | Department of Educational Planning, NIEPA | 2019-12-13 | 4:45 PM | 5:15 PM |
| 57 | Locating Places on Maps | Geography | Prof. Aparna Pandey | Dept. of Education in Social Sciences, NCERT | 2019-12-16 | 4:00 PM | 4:30 PM |
| 58 | Qualities of Effective Teachers | Psychology | Dr. Shraddha Dhiwal | Dept. of Educational Psychology & Foundations of Education, NCERT | 2019-12-17 | 4:00 PM | 4:30 PM |
| 59 | अपू के साथ ढाई साल – सत्यजित राय | Hindi | Prof. Sandhya Singh | Dept. of Education in Languages, NCERT | 2019-12-18 | 4:00 PM | 4:30 PM |
| 60 | Applying Parametric tests of significance using "R" | Research | Dr. Gulfam | Educational Survey Division, NCERT | 2019-12-19 | 4:00 PM | 4:30 PM |
| 61 | Flipped Learning | ICT in Education | Prof. Harjeet kaur Bhatia and Dr. Alka Singh | Jamia Millia Islamia and CIET, NCERT | 2019-12-20 | 4:00 PM | 4:30 PM |
| 62 | School as an institution - Lessons for school leaders | School Leadership | Dr. Naresh Kumar | National Institute for Educational Planning and Administration, New Delhi | 2019-12-20 | 4:45 PM | 5:15 PM |
| 63 | Company Accounts | Accountancy | Prof. Shipra Vaidya and Dr. G. S. Grewal | Dept. of Education in Social Sciences, NCERT & Chartered Accountant (Freelancer) | 2019-12-23 | 4:00 PM | 4:30 PM |
| 64 | Quality concerns in teacher education | Teacher Education | Prof. K K Vashishtha & Dr. Nahar Singh | Retd, Department of Elementary Education & Reader, SCERT | 2019-12-24 | 4:00 PM | 4:30 PM |
| 65 | शिक्षक शिक्षा में अधिगम केंद्रित पेडागॉगी | Teacher Education | Dr. Jitendra Kumar Patidar | Department of Teacher Education, NCERT | 2019-12-26 | 4:00 PM | 4:30 PM |
| 66 | Triangle | Mathematics | Prof. T P Sharma & Prof. A K Wazalwar | Dept. of Education in Science and Mathematics, NCERT | 2019-12-27 | 4:00 PM | 4:30 PM |
| 67 | Building and Leading Teams: Part II | School Leadership | Dr. Charu Malik | National Centre for School Leadership, NIEPA, New Delhi | 2019-12-27 | 4:45 PM | 5:15 PM |
| 68 | Teaching Learning of Economics in Inclusive education setting Part I | Economics | Dr. Pratima Kumari | Dept. of Education in Social Sciences, NCERT | 2019-12-30 | 4:00 PM | 4:30 PM |
| 69 | Promoting Inclusive Education in Residential Schools | Inclusive Education | Prof. Vinay Kumar Singh | Dept. of Education of Groups with Special Needs, NCERT | 2019-12-31 | 4:00 PM | 4:30 PM |

# Scripting:

Script writing is a step which needs to be followed before an audio or video programme. It is a written proforma of idea behind any programme. 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 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. Following is the list of scripts that were placed before the script committee for assessment during October-December, 2019.

## List of scripts put up in the Script Committee Meeting during October-December, 2019

| Sr. No. | Title of the Script | Subject | Medium | Department | Media Type (Audio/Video/ Interactive) | Date of Meeting | Target Audience | Status |
|---|---|---|---|---|---|---|---|---|
| 1 | 54 AR/VR pro-grammes | Science | CIET | CIET-NCERT | AR video inter-active | 18/10/2019 | Class 9 and 10 | Returned for workshop mode script writing |
| 2 | 24 Biology | Biology | English | DESM | Video | 18/10/2019 | Class 11 | suggestions for modification |
| 3 | 3 (flipped classroom) | Maths | English | DEE | Video | 18/10/2019 | Upper Primary | suggestions for modification |
| 4 | Audio play 'Kuda ki Jubaan Gunga Mahal' | General | Hindi | Dr. Jitendra Singh | Audio | 23.10.2019 | General | suggestions for modification as rewriting required |
| 5 | 54 AR/VR programme | Science | CIET | CIET-NCERT | AR video interactive | 07/11/2019 | Class 9 and 10 | Accepted with suggestion of modification in workshop mode |
| 6 | 02 Jingle songs for Kala Utsav | General | Hindi, English | CIET | Audio | 6.12.2019 | General | Approved |

# Audio-Video & Multimedia Production

## 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. Apart from the below listed programmes CIET has also recorded five programmes for HRM's office.

| Sr. No. | Name of Programme | Producer | Date |
|---|---|---|---|
| 1 | Birth Anniversary of Mahatma Gandhi | Ms. Shilpa Sharma | 2.10.2019 |
| 2 | MOOCs Introduction | -do- | 4.10.2019 |
| 3 | MOOCs | Shri Budhi Prakash Kukreti | 7.10.2019 |
| 4 | National Science Exhibition | -do- | 11.10.2019 |
| 5 | NISHTHA (Shimla) | Smt. Sujata Lochab | 18.10.2019 |
| 6 | NISHTHA (Gurugram) | Smt. Sujata Lochab and Ms. Shilpa Sharma | 2-3.10.2019 |
| 7 | NISHTHA (Dehradun) | Shri Budhi Prakash Kukreti | 3.11.2019 |
| 8 | NISHTHA (Jammu) | Smt. Sujata Lochab | 13.11.2019 |
| 9 | NISHTHA (Chandigarh) | Ms. Shilpa Sharma | 18.11.2019 |
| 10 | NISHTHA (Meerut, U.P.) | Shri Budhi Prakash Kukreti | 19.11.2019 |
| 11 | NISHTHA (Meerut, U.P.) | -do- | 23.11.2019 |
| 12 | NISHTHA (Chandigarh) | Ms. Shilpa Sharma | 24.11.2019 |
| 13 | NISHTHA (Prayagraj) | Smt. Sujata Lochab | 25.11.2019 |
| 14 | NISHTHA (Patna) | Ms. Ritu Bora | 26.11.2019 |

| | | | |
|---|---|---|---|
| 15 | National Role Play and Folk Dance Competition | | 4-6.12.2019 |
| 16 | National ICT Award 2017 | Shri Budhi Prakash Kukreti | 23.12.2019 |
| 17 | Kala Utsav | -do- | 30.12.2019 |

# 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 ambefore the programs are finalized offline. The list of previews done during October-December, 2019 has been given below:.

## Table: List of programmes previewed during October-December, 2019

| Sr. No. | Name of the programme | Subject | Target group | Duration of programme (min:sec) | Producer |
|---|---|---|---|---|---|
| 1 | म्याऊँ का खेल | Hindi | Primary | 5:00 | Smt. Vandana Arimardan |
| 2 | Bal Aur Gati Ke Niyam (Force and Law of Motion) Part-IV | Science Coordinator Ms. Anuradha Mathur | 9th Class (Secondary) | 25:43 | Sh. Buddhi Prakash Kukreti |
| 3 | वो सुबह कभी तो आएगी | Hindi | 8th Class | 10:00 | Smt. Vimlesh Chaudhary |
| 4 | Manipur: Jewel Of India | Social Sciences | Students and Teachers Sec/ Higher Sec | 24:22 | Sh. Sudhir Saxena |
| 5 | Flying together | English | Primary | 9:30 | Sh. Ajit Horo |
| 6 | जन सुविधा ( Role Play) | EVS Academic Coordinator-Ms. Jaya Singh | Class 8 & 9 | 22:00 | Sh. Mansukh Rathod |
| 7 | गुंचा ए शायरी मज़रूह सुल्तानपुरी | उर्दू | कक्षा—9 | 9:00 | श्रीमती वंदना अरिमर्दन |
| 8 | काँच की सिल्ली से तिरछी गुजरने वाली किरण का पथ अनुरेखित कर आपतन कोण, निर्गत कोण को माप कर काँच का अपवर्तनांक ज्ञात करना | विज्ञान (भौतिक विज्ञान) कार्यक्रम समन्वयक प्रो॰ शशि प्रभा | कक्षा माध्यमिक | 27:58 | श्री बुद्धि प्रकाश कुकरेती |
| 9 | Kaise Banta hai Radio Natak | Hindi | Senior Secondary | 14:00 | Smt. Vimlesh Chaudhary |
| 10 | सरखेजरोजा (Sarkhej Roza) इतिहास ( History) | सामान्य General | माध्यमिक Secondary | 11:03 | श्री बुद्धि प्रकाश कुकरेती |
| 11 | Bamboo curry | English | Upper Primary | 05:00 | Sh. Ajit Horo |
| 12 | प्रयोग संख्या 42 एक उत्तल लेंस द्वारा किसी जलती हुई मोमबत्ती की ज्वाला के प्रतिबिम्ब की रचना का अध्ययन करना | सामान्य | माध्यमिक | 22:03 | श्री बुद्धि प्रकाश कुकरेती |
| 13 | प्रयोग संख्या 42 काँच के प्रिज्म से गुजरने वाली प्रकाश किरण का पथ अनुरेखित करना तथा विचलन कोण मापना | सामान्य | माध्यमिक | 25:10 | श्री बुद्धि प्रकाश कुकरेती |
| 14 | ईदगाह | Hindi Prog. Coordinator- Dr. Sandhya Singh | Secondary | 38:04 | Sh. Mansukh Rathod |
| 15 | Yadein Bapu Gandhi ki | Urdu | Upper Primary | 14:00 | Smt. Vanadana Arimardan |

| | | | | | |
|---|---|---|---|---|---|
| 16 | एक उत्तल लेंस द्वारा किसी जलती हुई मोमबत्ती की ज्वाला के प्रतिबिम्ब की रचना का अध्ययन करना | सामान्य | माध्यमिक | 20:03 | श्री बुद्धि प्रकाश कुकरेती |
| 17 | मौत का पहाड़ | हिन्दी | प्राथमिक | 19:00 | श्रीमती विमलेश चौधरी |
| 18 | कोई लाके मुझे दे | हिन्दी संकेत भाषा | कक्षा 4— प्राथमिक | 02:30 | श्री मनसुख राठोड |
| 19 | चकई के चकदुम | हिन्दी संकेत भाषा | कक्षा 4— प्राथमिक | 01:45 | श्री मनसुख राठोड |
| 20 | 46 वी राष्ट्रीय जवाहर लाल नेहरू विज्ञान ,गणित एवम पर्यावरण प्रदर्शनी | सामान्य | माध्यमिक | 30:00 | श्री बुद्धि प्रकाश कुकरेती |
| 21 | काँच के प्रिज्म से गुजरने वाली प्रकाश किरण का पथ अनुरेखित करना तथा विचलन कोण मापना | Science Prog. Coordinator- Prof. Shashi Prabha | कक्षा—10 माध्यमिक | 20:00 | श्री बुद्धि प्रकाश कुकरेती |
| 22 | एक उत्तल लेंस द्वारा किसी जलती हुई मोमबत्ती की ज्वाला के प्रतिबिम्ब की रचना का अध्ययन करना | Science Prog. Coordinator- Prof. Shashi Prabha | शिक्षक | 25:10 | श्री बुद्धि प्रकाश कुकरेती |
| 23 | विज्ञान का नवाचारी रोचक शिक्षण | विज्ञान कार्यक्रम समन्वयक—नीति कालिया | कक्षा—10 माध्यमिक | 15:13 | श्री अजीत होरो |
| 24 | काँच के प्रिज्म से गुजरने वाली प्रकाश किरण का पथ अनुरेखित करना तथा विचलन कोण मापना | विज्ञान कार्यक्रम समन्वयक— प्रो. शशि प्रभा | कक्षा—10 माध्यमिक | 20:00 | श्री बुद्धि प्रकाश कुकरेती |
| 25 | बहादुर बित्तो | हिन्दी कार्यक्रम समन्वयक— अनुपमा आहूजा | प्राइमरी कक्षा—3 | 08:11 | श्री मनसुख राठोड |
| 26 | हाथी चल्लम चल्लम | हिन्दी कार्यक्रम समन्वयक— अनुपमा आहूजा | प्राइमरी कक्षा—1 | 04:00 | श्री मनसुख राठोड |
| 27 | 'अ' से अर्जुन और 'आ' से आशा 'अक्षर की कहानी' | हिन्दी | प्राथमिक | 13:19 | श्रीमती वंदना अरिमर्दन |
| 28 | एक दिन की बादशाहत | हिन्दी सांकेतिक भाषा | प्राथमिक | 12:11 | श्री मनसुख राठोड़ |
| 29 | एक उत्तल लेंस द्वारा किसी जलती हुई मोमबत्ती की ज्वाला के प्रतिबिम्ब की रचना का अध्ययन करना | विज्ञान कार्यक्रम समन्वयक— प्रो. शशि प्रभा | कक्षा—10 माध्यमिक | 25:10 | श्री बुद्धि प्रकाश कुकरेती |
| 30 | गुंचा दृए—शायरी खलील—उल—रहमान आजमी | उर्दू | उच्च माध्यमिक | 25:10 | श्री बुद्धि प्रकाश कुकरेती |
| 31 | Development of Oil Absorbing Bio-Filter for Efficient removal of Oil Pills | Science Models Prog. Coordinators- Prof. Sunita Farkya & Dr. Ashish Srivastava | Sec. and Sr. Secondary | 02:24 | Sh. Buddhi Prakash Kukreti |
| 32 | Smart Home | -do- | -do- | 03:06 | -do- |
| 33 | Elitram | -do- | -do- | 02:53 | -do- |
| 34 | स्ववृत्त (Biodata) लेखन | हिन्दी | उच्चतर माध्यमिक | 1:17 | श्रीमती विमलेश चौधरी |
| 35 | Food and Nutrition | English Coordinator- Dr. Yash Pal Sharma | General Student Teacher & Parents | 1:17 | Sh. Mansukh Rathod |
| 36 | Chuskit Goes to School | English | Upper Primary | 10:00 | Sh. Ajit Horo |
| 37 | Conserving and Enhancing Nutritive value of Food | Food Science Coordinator Dr. Yash Pal Sharma | General Student Teacher & Parents | 33:00 | Sh. Mansukh Rathod |

## 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. During this quarter, Apart from these programs, review workshops for content validation for various organizations are also undertaken by CIET on a regular basis.

## 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 were 14,840 including- 401 collection, 2,778 documents, 1270 interactives, 1,664 audios, 2,586 images, 6,141 videos. The total no. of registered users till December end were 15,142.

**ePathshala** is a portal supported with app where there are e-resources of NCERT put up for use. The portal had 5,68,60,606visitors, the app had a rating of 4.37 out of 5 on Google play store, 3 out of 5 on Apple store and 4.3 out of 5 on Windows Store. Till 30 December, 2019 26,51,886 users downloaded the app from various play stores. Total views of ePathshala on Youtube have been amounted to 37,328,161. Total books published on it as ePub are 696 while, there are 504 Flipbooks. Seven states namely, Andhra Pradesh, Delhi, Haryana, Karnataka, Mizoram, Manipur and Uttar Pradesh have submitted 152 digitized books. QR codes generation for 321 textbooks of NCERT has already been done and resource mapping is in progress.

PINDICS app had 39,310 downloads, PARAKH (Third Party Evaluation of ICT in States) had 2,880 users whereas, KISHORE MANCH had 4,560 users. ePathshala on UMANG had 35,96,322 hits. Twelve books of vocational education are available on ePathshala app. ePathshala Scanner app was downloaded by 46,730 people.

Apart from this, support to SCERTs (digitization of its books & YouTube channel) in Chhattisgarh, Haryana, Manipur, Telangana and Tripura (Webportal created, ePub & Teacher Training modules) , UP State i.e. to SIET Lucknow (YouTube channel), PSSCIVE-NCERT (uploading of books), DAE-MHRD (YouTube channel), Mauritius SSP (Webportal &YouTube channel creation), Rajasthan, DEO-Varanasi is also provided by CIET-NCERT as a regular exercise. Support to SCERT Tripura was given in the form of a webportal with 267,993 views of Tripura Siksha Bandhu.

## DTH TV channel (31) named as 'Kishore Manch'

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'. CIET provides contents related to secondary and senior secondary students and teacher education for 6 hours which gets repeated 3 times to make it 24X7 Channel.

As pre-planning, weekly plan has been developed for preparation of the schedule to make the process more relevant and cover all the subjects such as arts, languages, science, commerce, social sciences and humanities. The programmes on performing arts, crafts, physical education, teacher education etc. are also included in the schedule. Apart from scheduling syllabus-based programmes, the programmes 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 1995 programs have been telecast on the Kishore Manch channel as per schedule between October to December 2019. It is noted that the total number includes the repetitions also. Among these 1995 programs, 1187 were the lecture series of different subjects of class XI (482) and XII (705). Apart from lecture series, there were 595 programs covering the syllabus of secondary and senior secondary level. Similarly, teachers related 26 programs were also included in the schedule. Thirty seven general programs related to art, craft, culture, dance, music, physical education etc. have also been telecast on the channel between Oct to Dec. 2019.

Besides the types of programs, the analysis of the schedule also reported the subject-wise categorization of programs (see table 1) between October to December 2019.

**Table 1: Subject-wise categorisation of programs scheduled and telecast between October to December 2019**

| Subjects | No. of Programs telecast | % of programs telecast |
|---|---|---|
| Sciences (Biology, Chemistry, Physics) | 600 | 30.07 |
| Social Sciences (Economics, Geography, History, Political Science, Sociology) | 329 | 16.49 |
| Mathematics | 231 | 11.57 |
| Accountancy | 126 | 06.31 |
| Language | 120 | 06.01 |
| Psychology | 80 | 04.01 |
| Business Studies | 47 | 02.35 |
| Art, Culture, Crafts, Dance and Music | 37 | 01.85 |
| Others | 425 | 21.30 |
| **Total** | **1995** | **100** |

As shown in the above table, there were 600 and 329 programs related to different disciplines of sciences and social sciences respectively. Two hundred and thirty one programs included the Maths lecture series, Maths activities and other related programs. Similarly, language related programs (120) were mostly of Hindi language. The schedule covered 37 programs depicting Indian art and culture through different series of videos. Furthermore, Accountancy (126), Psychology (80) and Business Studies (47) subjects of senior secondary level were also placed in the schedule. Other programs (425) were related to physical education, Yoga, teachers, famous personalities, travelogues, environment and in generic in nature.

# Participation in Conferences/Seminars and publication:

Dr. Nidhi Singh presented a paper titled 'Sustainable Development: Reaching through Education and the Study of Geography' in the International Conference of XIII International Geographical Union (IGU) India on Heading Towards Zero: Sustainable Development in Economy, Environment and Society, 19-21 October, 2019 at Central University of Haryana.

Dr. Astha Saxena Published a book, "Ethics in Science- Pedagogic issues & concerns" in November, 2019 with Springer Nature Publications, Singapore https://www.springer.com/gp/book/9789813290082

Prof. Amarendra P. Behera participated as a speaker in the 6th edition of ICDL (International Conference on Digital Landscape) organised from 06 -08 November, 2019 New Delhi, India. The theme of the conference was 'Digital Transformation for an Agile Environment'.

# 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:

## Internship and Exposure Visits to CIET

**Table: Single day visit for Teacher Educators/Trainee Teachers**

| S. No. | Name of the Institute/College/Organisation | Total no. of Trainees/Faculty | Date of the Visit |
|---|---|---|---|
| 1 | DIET, Mallapuram, Kerala | 45 | 18 October, 2019 |
| 2 | JIMS, Greater Noida | 90 | 23 October, 2019 |

| 3 | Lady Irwin College, University of Delhi | 90 | 31 October, 2019 |
|---|---|---|---|
| 4 | Gautam Buddha University, Noida | 35 | 13 November, 2019 |
| 5 | Class IX-XII Students of Vocational Course (IT) under NSQF from SKV No. 2, Punjabi Bagh, Delhi | 57 | 9 December, 2019 |

**Table: Single day visit for Teacher Educators/Trainee Teachers**

| S. No. | Name of the Institute/College/Organisation | Total no. of Scholars/ students | Date of the Internship |
|---|---|---|---|
| 1 | Shri Lal Bahadur Shastri Rashtriya Sanskrit Vidyapeetha (SLBSRSV), New Delhi | 6 | 1 and 3 October, 2019 |
| 2 | Department of Education, University of Delhi | 8 | 7 - 14, October, 2019 |
| 3 | RIE, Bhopal | 3 | 25 - 29 November, 2019 |

**Table: List of Organisations/ Departments for Attachment Training Programme**

| S. No. | Name of the Institute/College/Organisation | Total no. of Participants | Date of the Visit |
|---|---|---|---|
| 1 | Attachment training programme for participants of FIP by Shri Lal Bahadur Shastri Rashtriya Sanskrit Vidyapeetha, Delhi | 31 | 21 November, 2019 |

ICT exposure visit of KV Primary School Branch students in Digital Learning Lab of CIET-NCERT was organized on 08 November 2019.

# Retirement:

| Sr. No. | Name & Designation | Date | Remarks |
|---|---|---|---|
| 1 | Sh. A. P Lonare, Cameraman Gr.1 | 31.10.2019 | Retired from CIET |
| 2 | Sh. B. Nand Kumar, Engineering Assistant | 31.10.2019 | Retired from CIET |

# Joining:

| Sr. No. | Name & Designation | Date | Remarks |
|---|---|---|---|
| 1 | Sh. Sanjay Kumar, APC | 04.12.2019 | Posted at Joint Director Office CIET |

# Other Activity:

Delegates from Brazil visited NCERT on 09 October 2019 to discuss issues related to teaching methods in India.

## NISHTHA: National Initiative for School Heads' and Teachers' Holistic Advancement

NISHTHA is a capacity building programme for "Improving Quality of School Education through Integrated Teacher Training". It aims to build competencies among all the teachers and school principals at the elementary stage. The functionaries (at the state, district, block, cluster level) shall be trained in an integrated manner on learning outcomes, school based assessment, learner – centred pedagogy, new initiatives in education, addressing diverse needs of children through multiple pedagogies, etc. This will be organized by constituting National Resource Groups (NRGs) and State Resource Groups (SRGs) at the National and the State level who will be training 42 lakhs teachers subsequently. A robust portal/Management Information System (MIS) for delivery of the training, monitoring and support mechanism will also be infused with this capacity building initiative.

The main expected outcomes from NISHTHA are:

- Improvement in learning outcomes of the students.
- Creation of an enabling and enriching inclusive classroom environment
- Teachers become alert and responsive to the social, emotional and psychological needs of students as first level counselors.
- Teachers are trained to use Art as pedagogy leading to increased creativity and innovation among students.
- Teachers are trained to develop and strengthen personal-social qualities of students for their holistic development.
- Creation of healthy and safe school environment.
- Integration of ICT in teaching learning and assessment.
- Developing stress free School Based Assessment focused on development of learning competencies.
- Teachers adopt Activity Based Learning and move away from rote learning to competency based learning.
- Teachers and School heads become aware of new initiatives in school education.
- Transformation of the Heads of Schools into providing academic and administrative leadership for the schools for fostering new initiatives.



A brief report on the coverage under NISHTHA programme in this quarter (till January, 2020) has been given in the following tables:

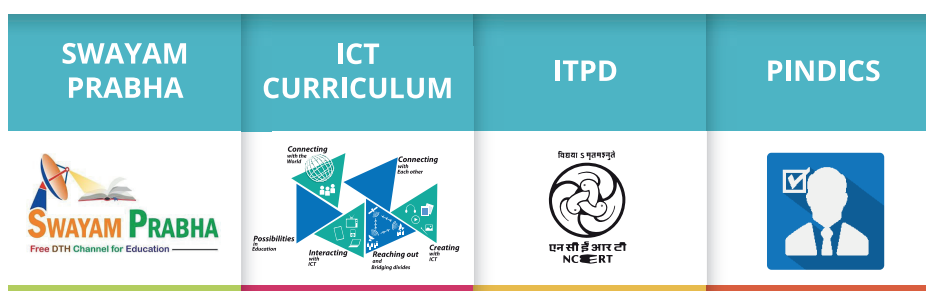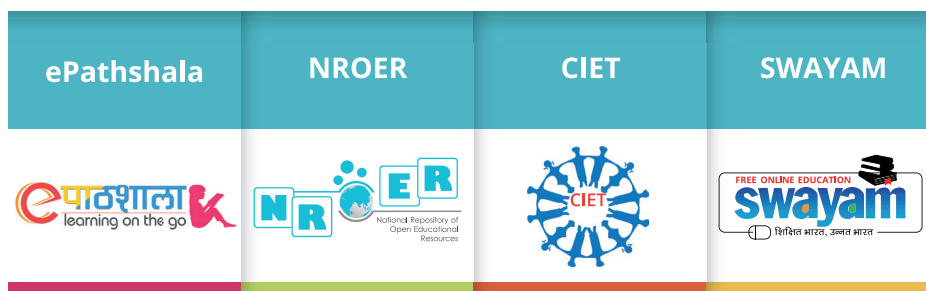### Table:1 Details of State-wise Training of SRGs

| Sr. No. | States | Phase Target | Phase Achieved |
|---------|--------|--------------|----------------|
| 1 | Andaman and Nicobar Islands | 1 | 1 |
| 2 | Andhra Pradesh | 1 | 0 |
| 3 | Arunachal Pradesh | 1 | 0 |

| | | | |
|---|---|---|---|
| 4 | Assam | 2 | 3 |
| 5 | Bihar | 3 | 1 |
| 6 | Chandigarh | 1 | 1 |
| 7 | Chhattisgarh | 1 | 0 |
| 8 | Dadra and Nagar Haveli | 1 | 1 |
| 9 | Daman and Diu | 1 | 1 |
| 10 | Delhi | 1 | 1 |
| 11 | Goa | 1 | 1 |
| 12 | Gujarat | 2 | 2 |
| 13 | Haryana | 1 | 3 |
| 14 | Himachal Pradesh | 1 | 2 |
| 15 | Jammu and Kashmir | 1 | 0 |
| 16 | Jharkhand | 1 | 1 |
| 17 | Karnataka | 1 | 0 |
| 18 | Kerala | 0 | 0 |
| 19 | Lakshadweep | 1 | 1 |
| 20 | Madhya Pradesh | 2 | 0 |
| 21 | Maharashtra | 2 | 0 |
| 22 | Manipur | 1 | 1 |
| 23 | Meghalaya | 1 | 1 |
| 24 | Mizoram | 1 | 1 |
| 24 | Nagaland | 1 | 0 |
| 25 | Odisha | 2 | 0 |
| 26 | Puducherry | 1 | 1 |
| 27 | Punjab | 1 | 0 |
| 28 | Rajasthan | 2 | 3 |
| 29 | Sikkim | 1 | 1 |
| 30 | Tamilnadu | 1 | 2 |
| 31 | Telangana | 1 | 0 |
| 32 | Tripura | 1 | 0 |
| 33 | Uttar Pradesh | 2 | 0 |
| 34 | Uttarakhand | 1 | 1 |
| 35 | West Bengal | 2 | 0 |
| **Total states initiated SRG Training** | | | **21** |

## Table:2 Details of Training of Teachers

| S. No. | States | No. of Heads trained | No. of Teachers trained | Status |
|---|---|---|---|---|
| 1 | Andhra Pradesh | 0 | 0 | Not initiated |
| 2 | Andaman and Nicobar Islands | 24 | 2630 | Completed |
| 3 | Arunachal Pradesh | 0 | 0 | Not initiated |
| 4 | Assam | 6732 | 43748 | In progress |
| 5 | Bihar | 4191 | 48298 | In progress |
| 6 | Chandigarh | 87 | 3424 | In progress |
| 7 | Chhattisgarh | 0 | 0 | Not initiated |

| 8 | Dadra and Nagar Haveli | 34 | 1538 | Not initiated |
|---|---|---|---|---|
| 9 | Daman and Diu | 37 | 433 | Completed |
| 10 | Delhi | 398 | 10731 | In progress |
| 11 | Goa | 0 | 2104 | In progress |
| 12 | Gujarat | 2296 | 39048 | In progress |
| 13 | Haryana | 1109 | 32162 | In progress |
| 14 | Himachal Pradesh | 2306 | 23587 | In progress |
| 15 | Jammu & Kashmir and Ladakh | 0 | 0 | Not initiated |
| 16 | Jharkhand | 26 | 4638 | In progress |
| 17 | Karnataka | 0 | 0 | Not initiated |
| 18 | Kerala | 0 | 0 | Not initiated |
| 19 | Lakshadweep | 34 | 686 | Completed |
| 20 | Madhya Pradesh | 0 | 0 | Not initiated |
| 21 | Maharashtra | 3042 | 41157 | In progress |
| 22 | Manipur | 384 | 2300 | In progress |
| 23 | Meghalaya | 0 | 0 | Not initiated |
| 24 | Mizoram | 902 | 3385 | In progress |
| 25 | Nagaland | 0 | 0 | Not initiated |
| 26 | Odisha | 0 | 0 | Not initiated |
| 27 | Puducherry | 148 | 2647 | Completed |
| 28 | Punjab | 0 | 0 | Not initiated |
| 29 | Rajasthan | 11930 | 155872 | In progress |
| 30 | Sikkim | 1250 | 3243 | In progress |
| 31 | Tamil Nadu | 24312 | 99634 | In progress |
| 32 | Telangana | 4 | 1346 | In progress |
| 33 | Tripura | 0 | 0 | Not initiated |
| 34 | Uttar Pradesh | 6508 | 35947 | In progress |
| 35 | Uttarakhand | 3479 | 18751 | In progress |
| 36 | West Bengal | 0 | 0 | Not initiated |
| | **TOTAL** | **69233** | **577309** | |
| | States In progress Teacher Training | | | 18 |
| | States Not Initiated Teacher Training | | | 14 |
| | States Completed Teacher Training | | | 4 |
| | **TOTAL STATES** | | | **36** |

| ePathshala | NROER | CIET | SWAYAM |
|---|---|---|---|

| SWAYAM PRABHA | ICT CURRICULUM | ITPD | PINDICS |
|---|---|---|---|

| PARAKH | PINDICS | KISHORE MANCH | ePathshala | NAS | ePathshala Scanner | NISHTHA |

विद्यया ऽमृतमश्नुते

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