

CIET-NCERT

# NEWSLETTER

Issue 3 Volume 1

1 October - 31 December 2017



## Live Transmission on Kishore Manch

Live telecast is organised by CIET-NCERT on the SWAYAM PRABHA DTH-TV channel "Kishore Manch" every weekday to discuss a variety of Topics

## Promoting Digital Reading in Schools

CIET, NCERT team along with representatives of Society for All Round Development (SARD) and Digital Reading Foundation Worldreader joined with KV, NCERT campus in October, 2017 for promoting digital learning in Schools



### Chintan Shivir/ National Workshop

A two-day National Workshop was organised by Department of School Education & Literacy, MHRD.



### E-content Development

Workshops were conducted to develop scripts for video programmes of Hindi, Psychology and Chemistry.



## Collaboration with Ministry of Education, Mauritius

NCERT team with the leadership of Prof. H.K. Senapaty, Director, NCERT visited the Ministry of Education, Mauritius for collaboration on ICT initiatives in Education.



## Major Initiatives of CIET, NCERT

### ICT in Education Curriculum

CIET-NCERT under the aegis of the Department of School Education and Literacy, MHRD, Government of India (GoI) has developed the Curricula for ICT in Education for the school system for students of classes VI-VIII and IX-XII, teachers and teacher educators. Based on the curriculum many courses are being developed by CIET - NCERT and implementation of these courses in states are also being supported and organised in phased manner.

### Development of ICT in Education Course for Teachers and Students

ICT in Education courses for class I to VIII is being developed by CIET- NCERT. For this, Cyber safety and security related content was integrated in the student's course in the workshop conducted during 2 - 6 October, 2017 at CIET- NCERT. Outline for 8 refresher courses for teachers on Integration of ICT in various subjects i.e. Social Science and English were also developed.



Team involved in developing ICT course content for students - Phase II at CIET, NCERT

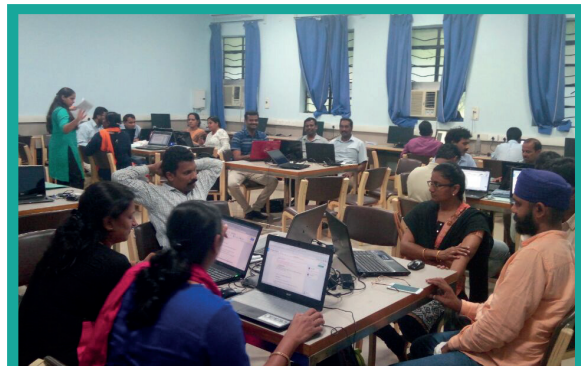


Interaction with the resource persons during the ICT course development workshop

Outline for 8 refresher courses for teachers on integration of ICT in teaching of subjects i.e. Science and Mathematics were also developed during the workshop conducted from 9 - 13 October, 2017 at Regional Institute of Education, Mysore. Course contents for ICT curriculum for students on the theme Audio visual communication - creating 2D animation was also developed.



Team involved in the development of ICT course content for teachers-Phase III



Teachers and educators during development process of ICT course

## ICT in Education Training for DMS Teachers

As part of implementing ICT in Education Curriculum in Demonstration Multipurpose Schools (DMS), induction training was conducted for teachers of DMS, Bhubaneswar during 20 - 30 December, 2017 at RIE, Bhubaneswar. Similar, training was conducted for teachers of DMS, Mysore during 28 December, 2017 - 06 January, 2018 at RIE, Mysore. This training was conducted to build the basic ICT competencies among the teachers through hands on activities.



Induction training on ICT for teachers of DMS, Bhubaneswar



Induction training on ICT for teachers of DMS, Mysore

## ICT in Education Curriculum Implementation in States

States have always a choice to customise/ adopt/ adapt any curriculum developed at the National level. It is also true in case of ICT in Education curriculum. To support this process CIET- NCERT in collaboration with SCERT, Tripura organised a three-day workshop from 27 - 29, November, 2017 at SCERT, Tripura where the objectives of the programme was to design state-specific ICT in Education curriculum for students of class I to VIII. Participants from other North Eastern States (Arunachal Pradesh, Assam, Manipur and Mizoram) also attended this workshop and CIET-NCERT faculty provided all support in designing ICT curriculum for these north-eastern states as well.



ICT curriculum development team of North Eastern States at SCERT, Tripura

## National Conference on ICT in School Education

Prof. A.P. Behera participated and delivered the keynote address at the National Conference on ICT in School Education organised by RIE, Ajmer from 27 - 29 November, 2017. CIET faculties also presented papers and exhibited various ICT initiatives of Govt. of India (Epathshala, NROER, MOOCs on SWAYAM, SWAYAM Prabha DTH TV Channel and ICT curriculum, etc.) through digital display, posters, banners, brochures and demonstration.



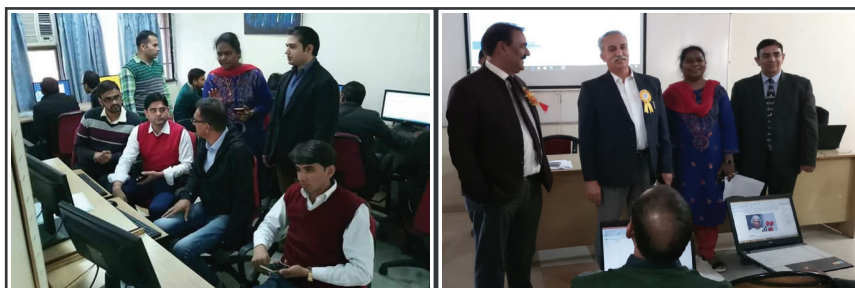
Inaugural session of the ICT Conference at RIE, Ajmer



## Orientation Programmes on ICTs in Education and Learning for State Resource Groups (SRGs)

CIET-NCERT organised orientation programmes on ICTs in Education and Learning for State Resource Groups (SRGs) in phased manner. The objective of these programmes is to sensitize the stakeholders on the key aspects of ICTs in Education initiatives taken up by the MHRD, GoI and to enable them to implement these initiatives at the state level. Besides, this also enabled the participants to understand media production and the processes adopted for development of digital contents and ebooks including their validation, curation and sharing on broadcast and non-broadcast mode.

- Phase I of the programme was organised at SCERT, Chandigarh from 4 - 8 December, 2017 covering states in Northern region - Jammu & Kashmir, Punjab, Himachal Pradesh, UT of Chandigarh, Rajasthan, Haryana, Uttarakhand and Uttar Pradesh.



Phase I, Orientation at SCERT, Chandigarh

- Phase II covered states in Eastern region – Bihar, Jharkhand, Odisha and West Bengal was organised at RIE, Bhubaneswar and CIET, New Delhi from 11 to 15 December, 2017.



Phase II, Orientation at RIE, Bhubaneswar

- Phase III was organized at RIE, Bhopal from 11 to 15 December, 2017 for states in Western region- Chhattisgarh, Goa, Madhya Pradesh and Maharashtra.



Phase - III Orientation at RIE, Bhopal

In all, participants were oriented as members of the State Resources Groups (SRGs) who shall be undertaking the activities related to e contents development, digitisation of textbooks, development and rollout of ICT curriculum, development of ebooks and launching of web portals, mobile apps like, NROER and epathshala, etc.



## Massive Open Online Course (MOOCs)

### Development and Review of course modules

A two days' workshop for review of course module on "Food Nutrition, Health and Hygiene" was organised by CIET-NCERT on 29 - 30 November, 2017. CIET faculty guided the subject matter experts on the process of developing and reviewing the course.

### Development of Video Tutorials

A workshop was organised for recording of video lectures in Economics during 30 - 31 October, 2017. Similarly, video recording for modules in Biology and Sociology was recorded during 21 - 24 November, 2017 as glimpses of video recording in studio.

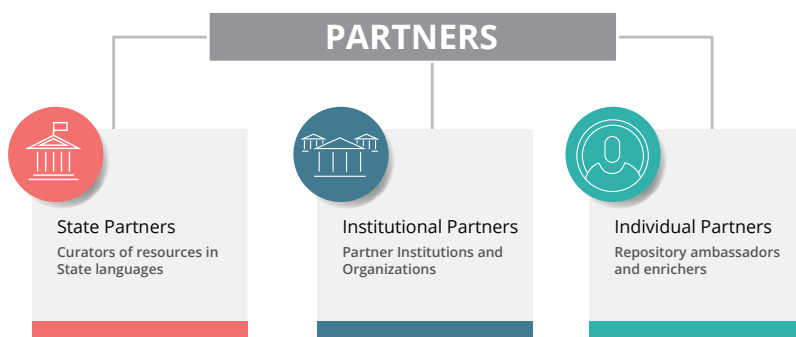
## ePathshala : Learning on the Go

e-Pathshala, web portal (<http://epathshala.nic.in/>, <http://epathshala.gov.in/>) and mobile apps (Android, iOS and Windows) has been designed and deployed to disseminate e-contents of NCERT. The portal has 1,621 audios and 1,431 videos, 650 e-books (e-pubs) and 504 flip books. It has 2,58,16,291 visitors; 88,32,127 total YouTube views, 12,33,188 app downloads. State Resources Groups (SRGs) of 16 states and UTs were trained on the process of development of digital books. Besides, separate training programmes for the SRGs of Telangana, Karnataka, Andhra Pradesh, Haryana and Delhi states were conducted on the process of textbook digitisation, deployment of digital books and e-contents. A mobile app, Meri e-Pothi, has been recently launched by SCERT, Gurgaon to disseminate e-books.

## NROER - Open Educational Resources

National Repository of Open Educational Resources (NROER) has been designed for dissemination of digital contents among all the stakeholders for free of cost. Till date a total of 10,885 e-contents including 246 collections, 503 documents, 92 interactive, 1556 audios, 2581 images and 5925 videos are uploaded on NROER.

CIET-NCERT has planned to provide all the e-resources (NROER, e-Pathshala) and courses (ITPD, ICT curriculum) offline to address the issue of connectivity. A workshop to try out offline solutions developed in collaboration with Recherche Tech LLP, Ahmedabad was organised during 17-18 November, 2017. Offline solution was demonstrated and the process of implementation was discussed. A tryout of this solution is also being planned with all the four DM Schools of RIEs at Ajmer, Bhopal, Bhubaneswar and Mysore.



## e-Content Development

### e-content Development Workshop at the State of Rajasthan

For the development of e-content a workshop was conducted by CIET, NCERT at RIE Ajmer for SRGs of Rajasthan from 25 - 29 October, 2017. As an outcome, a number of audio, video and multimedia programmes were developed in various curricular subjects. In all 09 programmes were developed during workshop which were awarded in the e-content Pratiyogita, a media festival conducted by Government of Rajasthan on 3 December, 2017.



Resource Team at RIE Ajmer

### e-content Development Workshop at CIET-NCERT

Scripts for developing video for lecture series in Hindi, Psychology and Chemistry for Higher Secondary classes based on NCERT textbooks were developed during 25-26 October, 13-17 November and 20-24 November 2017 in workshop mode. Scripts have also been developed for video programmes in English for Secondary classes. Developed scripts are in the process of production. CIET faculties has also supported e-content development in Biology for Higher Secondary stage during workshop conducted by DESM, NCERT from 23- 27, November, 2017.



Resource persons in the process of developing scripts

### e-content Development Workshop at SIET, Varanasi

In collaboration with SCERT and SIET, Uttar Pradesh, an e-content development workshop was conducted at Rajya Hindi Sansthan, Varanasi, Uttar Pradesh from 6 - 11 November, 2017. During the workshop, scripts on various topics in Social Science for classes IX and X were developed and sample programmes were produced.



Resource Team at e-Content Development Workshop, Varanasi

### e-content Review and Evaluation Workshop by CIET, NCERT

CIET-NCERT has a routine mechanism for reviewing audio, video and other multimedia e-contents before disseminating them on respective web portals. Workshops are also conducted on regular basis to preview programmes received from different states for Shala Gunvatta (ShaGun) portal. Workshop on validation of e-contents were organised during 8, 9, 14-17 and 28 November, 2017 and 26-30 December 2017 at CIET-NCERT.



## SWAYAM PRABHA (KISHORE MANCH) 24x7 DTH CHANNEL

### Live Transmission on Kishore Manch

CIET-NCERT has started organizing live telecast on the channel Kishore Manch from 29 December, 2017 onwards. This live programme is telecasted on all weekdays from 2.30 - 3 p.m. During this transmission, discussion on various areas in all subjects at Secondary and Senior Secondary level are covered in phased manner. The first live transmission was hosted by Dr. Abhay Kumar in conversation with Prof. Amarendra P. Behera on the topic "ICT Initiatives of CIET-NCERT" on 29 December, 2017.

### Preview of Audio and Video Programmes

Preview of audio and video programmes is a regular exercise on every Friday. The content, technical and overall quality of the programmes are assessed for further improvement and finalization. The list of resources previewed in the last quarter (Oct - Dec) are listed below:

Sr. No.	Name of the programme	Subject	Target group	Duration (mins)	Producer
1	Think What would Happen if....?	EVS	Primary	5.30	Sh. Mayank Thapliyal
2	Electric Circuit	Science Coordinator- Dr. Ruchi Verma	Elementary	8.10	Sh. Buddhi Prakash Kukreti
3	चारुदत्तम् – भाग – 1	संस्कृत अकादमी समन्वय – प्रो. के. सी. त्रिपाठी, प्रो. जतिंद्र मोहन मिश्रा	उच्चतर माध्यमिक	25.00	श्री सुधीर कुमार सक्सेना
4	टोर्च बेचने वाले	हिंदी (भाषा) अकादमी समन्वय – प्रो. संध्या सिंह	उच्चतर माध्यमिक	15.00	श्रीमती विमलेश चौधरी
5	The Rise of Napoleon Bonaparte in France (French Revolution)	History Coordinator- Dr. Ranjan Biswas	Secondary	16.33	Sh. Buddhi Prakash Kukreti
6	चारुदत्तम् – भाग – 2	संस्कृत अकादमी समन्वय – प्रो. के. सी. त्रिपाठी, प्रो. जतिंद्र मोहन मिश्रा	उच्चतर माध्यमिक	41.00	श्री सुधीर कुमार सक्सेना
7	"ज" से जामुन	हिंदी (भाषा) अकादमी समन्वय – डॉ. नीलकंठ कुमार	माध्यमिक	15.30	श्रीमती वंदना अरिमर्दन

8	कवी पद्माकर और उनके कवित्त	हिंदी (भाषा) अकादमी समन्वय – प्रो. लालचंद राम	11 कक्षा	20.00	श्री सुधीर कुमार सक्सेना
9	I Have a Dream	English Coordinator- Dr. Ruchi Verma	General	8.30	Sh. Ajit Horo
10	सुमित्रा नंदन पंत और उनकी कविता-“संध्या के बाद”	हिंदी (भाषा) अकादमी समन्वय – प्रो. लालचंद राम	उच्च प्राथमिक	28.05	श्री सुधीर कुमार सक्सेना
11	संवदिया	हिंदी (भाषा) अकादमी समन्वय – प्रो. संध्या सिंह, डॉ. नीलकंठ कुमार	उच्च माध्यमिक	18.53	श्रीमती विमलेश चौधरी
12	दो कमानीदार तुलओं के उपयोग करके गति के तीसरे नियम का अध्ययन करना	(हिंदी) विज्ञान अकादमी समन्वय – डॉ. शशि प्रभा	माध्यमिक	11.33	श्री बुद्धि प्रकाश कुकरेती
13	तनित डोरी से संचरण करके किसी अनुप्रस्त स्पन्द की चाल ज्ञात करना	(हिंदी) विज्ञान अकादमी समन्वय – डॉ. शशि प्रभा	माध्यमिक	12.44	श्री बुद्धि प्रकाश कुकरेती
14	“ध” से धमाचौकड़ी	हिंदी (भाषा) अकादमी समन्वय – डॉ. नीलकंठ कुमार	प्राथमिक	12.30	श्रीमती वंदना अरिमर्दन
15	एक समान त्वरण से गतिमान पिंड के लिए दिए गए ( $v - t$ ) आंकड़ों के समुच्चय से वेग समय ग्राफ खींचना तथा गतिमान पिंड का त्वरण तथा पिंड चली गई दूरी ज्ञात करना	(हिंदी) विज्ञान अकादमी समन्वय – डॉ. शशि प्रभा	माध्यमिक	28.00	श्री बुद्धि प्रकाश कुकरेती
16	सोडियम हयड्रोक्साइड एल्युमीनियम धातु के साथ अभिक्रिया का अध्ययन करना	(हिंदी) विज्ञान अकादमी समन्वय – डॉ. प्रमिला तंवर	माध्यमिक	28.00	श्री बुद्धि प्रकाश कुकरेती
17	कवी तुलसीदास और उनकी कविताएं	हिंदी	उच्च माध्यमिक	28.38	श्री सुधीर कुमार सक्सेना
18	खेलने दो मुझे तिनकों से	राष्ट्रीय पाठ्यचर्चा अकादमी समन्वय – डॉ. रुचि वर्मा	शिक्षक, अभिभावक, विद्यार्थी	12.30	श्री अजीत होरो



19	Classroom listening lesson	English Language Coordinator- Dr. R. Meganathan	Secondary	17.00	Sh. Mansukh Rathod
20	The world of beautiful bird-1	EVS (English) Coordinator- Dr. Ruchi Verma	Elementary	10.30	Sh. Buddhi Prakash Kukreti
21	अन्न देवता	हिंदी	माध्यमिक	15.46	श्रीमती वंदना अरिमर्दन
22	पहिया	इतिहास अकादमी समन्वय – डॉ. इंदु कुमार	प्राथमिक	4.14	श्री अजीत होरो, श्रीमती विमलेश चौधरी
23	Bridge Course	History Academic Coordinator- Dr. Indu Kumar	Primary	4.57	Mrs. Vimlesh Chaudhary
24	कवी मलिक मुहम्मद जायसी और उनकी कविताएं	हिंदी (भाषा) अकादमी समन्वय – प्रो. लालचंद राम	उच्च माध्यमिक	30.38	श्री सुधीर कुमार सक्सेना
25	बादल आए रे	विज्ञान (हिंदी) अकादमी समन्वय – डॉ. रुचि वर्मा	उच्च प्राथमिक	10.00	श्रीमती विमलेश चौधरी
26	महादेवी वर्मा और उनकी कविता	हिंदी (भाषा) अकादमी समन्वय – प्रो. लालचंद राम	माध्यमिक	28.31	श्री सुधीर कुमार सक्सेना
27	दृश्यते येन सर्वत्र जगदीश्वरः	संस्कृत अकादमी समन्वय – प्रो. के. सी. त्रिपाठी, प्रो. जतिंद्र मोहन मिश्रा	उच्च माध्यमिक	6.50	श्रीमती वंदना अरिमर्दन
28	Writing Lesson-1	English Academic Coordinator- Dr. R Meganathan	Secondary	14.25	Shri Mansukh Rathore
29	यह दर्शाना कि कॉपर सल्फेट के क्रिस्टलों में क्रिस्टलीय जल होता है	विज्ञान-रसायन प्रयोग अकादमी समन्वय – डॉ. प्रमिला तंवर	माध्यमिक	7.50	श्री बुद्धि प्रकाश कुकुरेती
30	Travel	EVS (English) Academic Coordinator- Prof. Kavita Sharma	Teacher	15.48	Sh. Buddhi Prakash Kukreti

## Third Party Evaluation of ICT@School Scheme

The institute has conducted a study to evaluate the implementation of ICT @ School Scheme in the state of Rajasthan. Report of the study was submitted to the Govt. of Rajasthan. Presently, a mobile app, Parakh, has been developed by CIET, NCERT with the objective of automating data collection during the evaluation process. Third Party Evaluation of ICT@School Scheme implementation in the NCT of Delhi has also been undertaken with the support of this mobile app.

### Extension Activities

#### Collaboration with Ministry of Education, Mauritius

NCERT team with the leadership of Prof. H.K. Senapaty, Director, NCERT visited the Ministry of Education, Mauritius from 17 - 22 December, 2017 as part of the collaboration activity. This collaboration aims at creation of an OER platform, digitization of textbooks and development of a mobile app for Mauritius. The team explored innovative pathways to integrate ICT in Education. On 22 December, 2017, a Memorandum of Understanding (MoU) was signed between the Government of Mauritius and NCERT towards improving quality of school education.



Director, NCERT along with CIET faculty during an interaction



MoU signed between Govt. of Mauritius and NCERT in the presence of Hon'ble Minister of Education, Mauritius

#### Chintan Shivir - Deliberation on improving School Education

The Department of School Education and Literacy, MHRD had organized a two-day National Workshop / Chintan Shivir during 6 - 7 November, 2017. It was graced by the hon'ble Human Resource Development Minister, Minister of States as well as Senior Officers from MHRD and States Governments. The workshop brought together key stakeholders from various Government organisations, NGOs, private sector and individuals to deliberate on five key themes - Digital Education, Physical Education, Value Education, Life Skills Education and Learning through experiences. CIET-NCERT team provided academic support for deliberation on two themes of Digital Education (Digital Education for Students and Digital Education for Teachers).





## Gamification and Education - Discussion with Microsoft

CIET-NCERT faculty interacted with representatives from Microsoft on 3 October, 2017 and reflected on use of digital games in education and the ways it supports in enhancing the quality of teaching and learning. This interaction was taken forward with demonstration of various tools and apps by Microsoft team on 16 October, 2017 at CIET, NCERT to showcase at ways of integrating games in Education and learning.



Microsoft officials and CIET Faculty

## Promoting Digital Reading in Schools

A collaborative effort of CIET-NCERT, Society for All Round Development (SARD) and Digital Reading Foundation Worldreader was launched at KV, NCERT campus on 24 October, 2017 to promote Digital Learning in schools through e-Pathshala and Read to Kids mobile app based activities. Along with this initiative, CIET has taken up the responsibility to develop KV, NCERT campus as Lab School for the implementation of ICT initiatives of CIET, NCERT.



Interaction during the visit to KV, NCERT Campus

## Celebration of National Entrepreneurship Day

An interaction on the theme "Catalysing a Cultural Shift in Youth Entrepreneurship" with Dr. Vikas Vijay - a teacher, entrepreneur was organised on 9 November, 2017. This interaction inspired the faculties and staffs of CIET to realise the importance of entrepreneurship skills in Education.



Dr. Vikas Vijay during the interaction with CIET staff members

## Cyber Security Awareness and Youtube channel Management

Insights on "Cyber Security" was provided by Google, India on 20 November, 2017. The discussions enabled the faculties to reflect on the significance of internet safety for teachers and learners, the need for inclusion of internet safety related topics in school curriculum and the guidelines to be provided to the schools. A training session was also conducted by Google on managing YouTube channel on 8 December, 2017 to support CIET in managing the Youtube official Channel of NCERT.



CIET Team at GOOGLE Headquarters during the training on cyber security

## Visitors

Students, teachers and teach educators of various institutions, universities have visited CIET- NCERT to understand the various activities taken up by CIET and ICT Initiatives. The visitors were oriented on the functioning of CIET including the various ICT initiatives like ICT Curriculum, e-content development, digitisation of textbooks, NROER, e-Pathshala, MOOCs on SWAYAM and DTH-TV channel - Swayam Prabha. They are also familiarized with technical areas including production at audio and video studios. Besides these, hands on experience on script writing and media programme production were provided at audio, video studio. The details of the visitors are as follows:

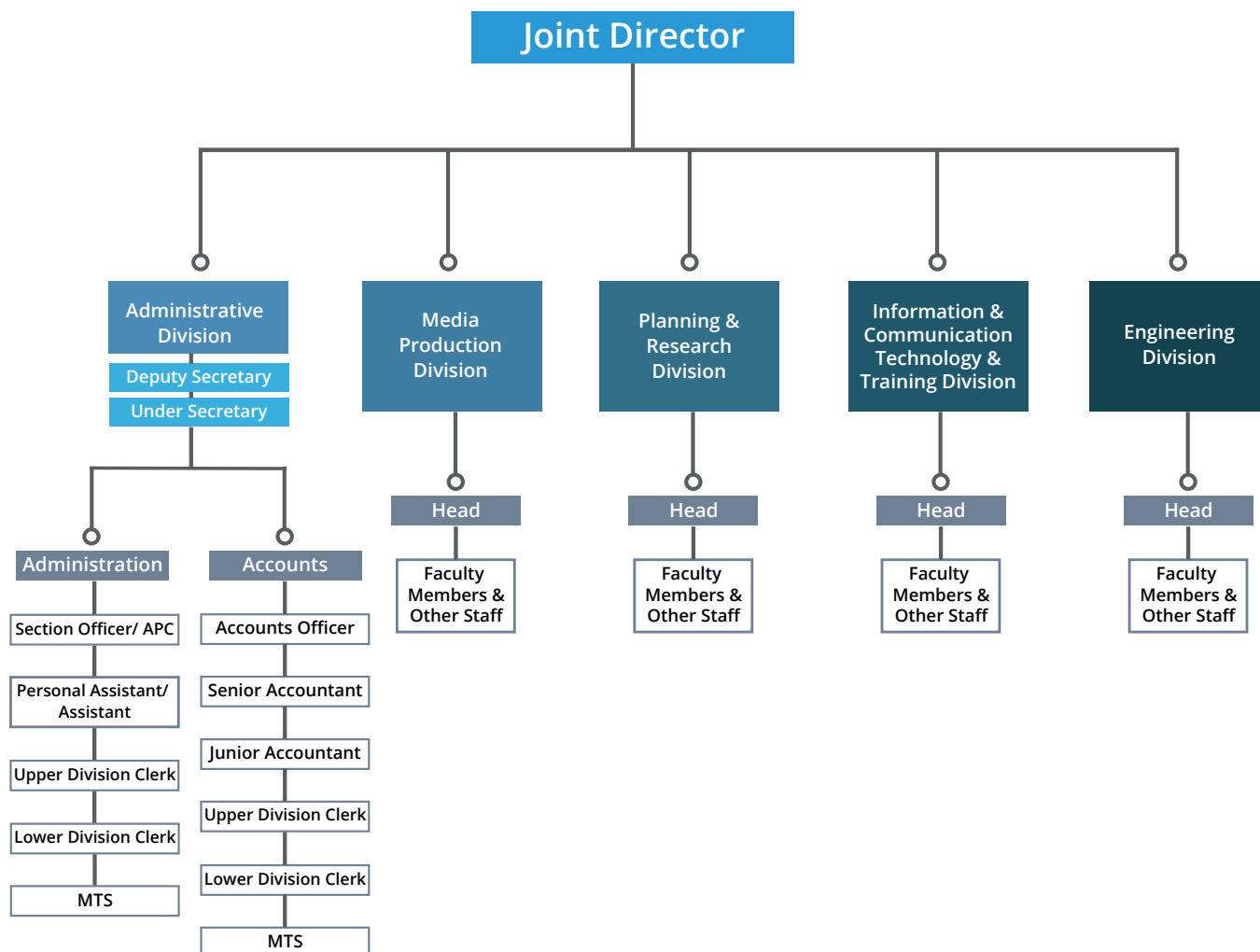


Students getting exposure at studio

- A group of 10 students of M.Ed from Lal Bahadur Shastri Rashtriya Sanskrit Vidyapeeth were attached to CIET-NCERT from 10 - 11 October, 2017 for internship.
- On 13 October, 2017, 98 students of B.Ed from Jagannath Institute of Education, Greater Noida visited CIET-NCERT.
- About 103 students and faculties of B.Ed from Army Institute of Education, Greater Noida visited CIET-NCERT on 8 November, 2017.
- In all, 35 students and faculties of K.R. Mangalam University visited the institution on 9 November, 2017.
- Nearly 145 students along with the faculty of D.El.Ed from Vidya Training Institute, Connaught Place visited on 15 November, 2017.
- A group of 31 delegates who have participated in 'Post-Graduate Diploma in Educational Administrators' NUEPA visited on 17 November, 2017.
- A group of 35 Principals/ Vice Principals from different States and UTs of India who have participated in 'Annual Programme on Institutional Planning for Heads of Muslims Minority Managed Senior Secondary Schools, NUEPA' visited the institution on 27 November, 2017.
- Also, 65 students of B.Ed from Ginni Devi Modi Institute of Education, Ghaziabad visited CIET-NCERT on 1 December, 2017.
- A group of 15 students and faculties of B.Ed from Central Institute of Education (CIE), Delhi University and Jamia Millia Islamia were attached to CIET on 22 December, 2017.



# Departments of CIET



## Useful Links:

[epathshala.nic.in](http://epathshala.nic.in)  
[nroer.gov.in](http://nroer.gov.in)  
[ictcurriculum.gov.in](http://ictcurriculum.gov.in)  
[swayam.gov.in](http://swayam.gov.in)  
[swayamprabha.gov.in](http://swayamprabha.gov.in)

## Subscribe to our Newsletter !

E-mail Address:

Submit

ePathshala



NROER



CIET



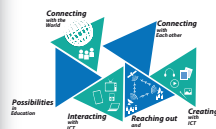
SWAYAM



SWAYAM  
PRABHA



ICT  
CURRICULUM



ITPD



PINDICS



**Central Institute of Educational Technology**  
National Council of Educational Research & Training  
Sri Aurobindo Marg, New Delhi-110016  
Tel.: 011-26962580 | Fax:- 011-26864141  
e-mail:- [jdciet.ncert@nic.in](mailto:jdciet.ncert@nic.in)

### Contributors:

Editor-in-Chief: Prof. Amarendra P. Behera

Editorial Team: Dr. Indu Kumar

Dr. Abhay Kumar

Dr. Angel Rathnabai

Dr. Nidhi Singh

Design: Mr. Chandra Mauli Shukla

Ms. Divya Talwar