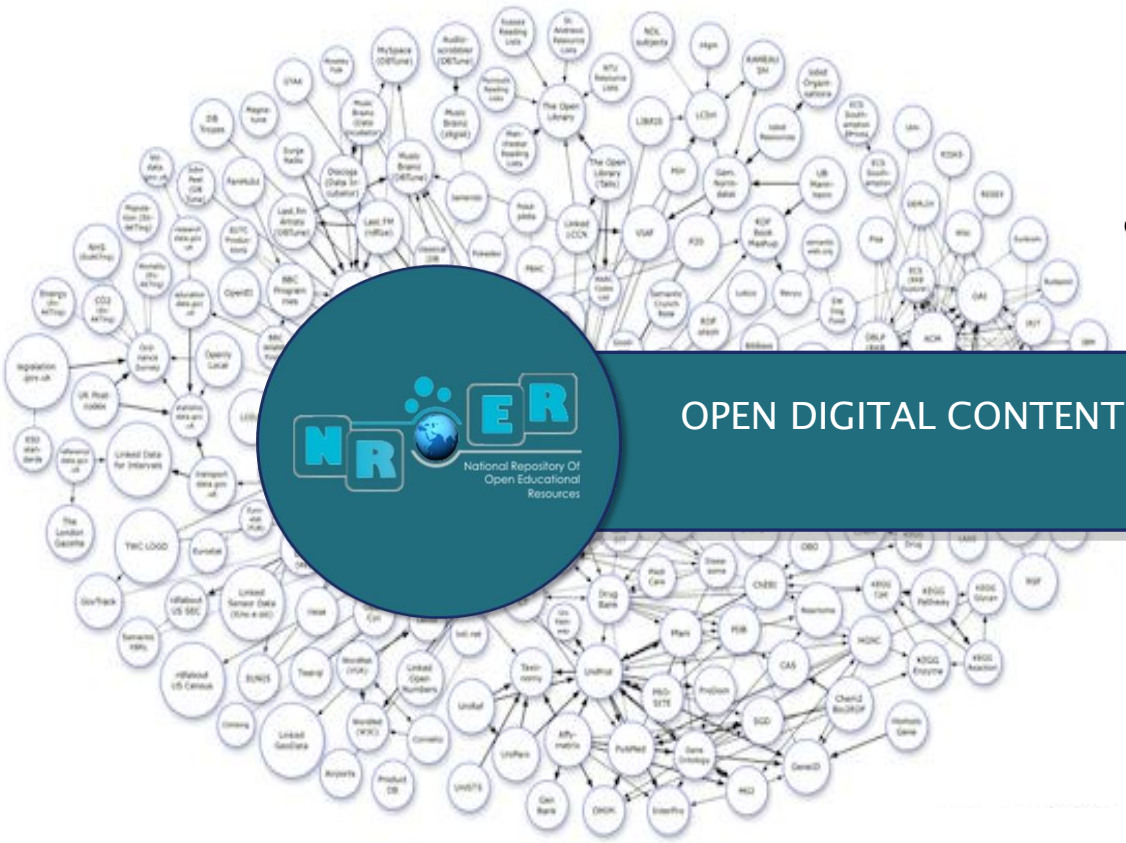
OER with special reference to NROER & DIKSHA

National Repository of Open Educational Resources

An initiative of Government of India

NROER was launched on 13th August 2013, it is developed by CIET,NCERT in collaboration with Department of School Education and Literacy, MHRD, GoI and the Homi Bhabha Centre for Science Education.



NROER
National Repository Of Open Educational Resources

OPEN DIGITAL CONTENT CLEARING HOUSE FOR SCHOOL EDUCATION

Create

Adapt

Translate

Share

NROER

- Open educational e-resources
- Freely accessible online/offline
- Facilitates:
  - Teaching and learning
  - Assessment and research
  - Adaptation and sharing

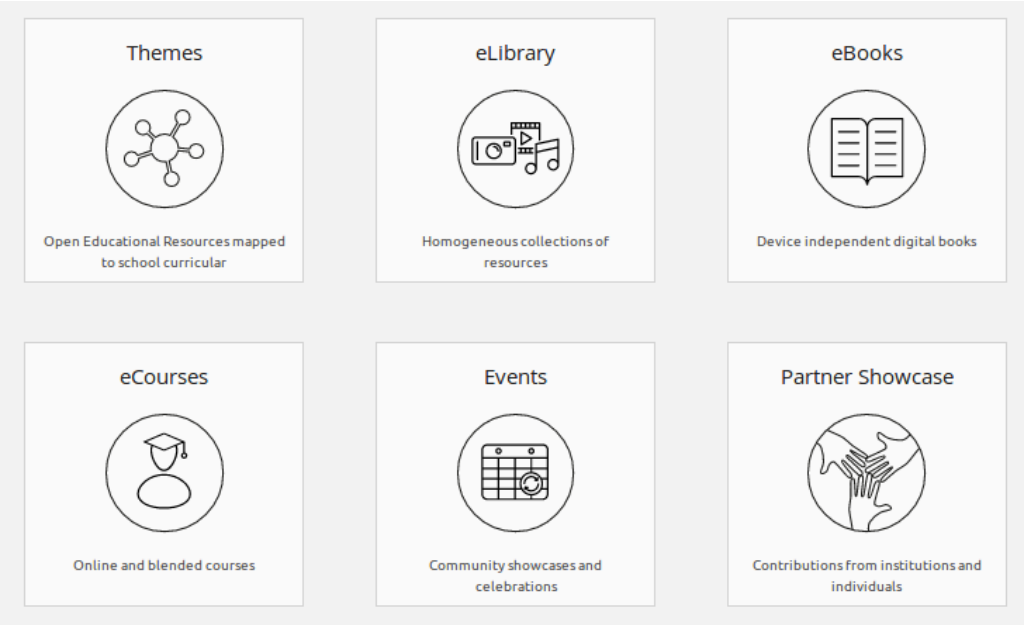
Aims of NROER

- Digitization of the content.
- Development of e-content in multiple languages along with multiple supportive resources.
- Bridging divides
- Building Partnerships
- Widespread dissemination of e-content.
- Teaching and Learning through Courses
- Nurturing networks and interest groups
- Development of digital resources as per the National policy on open standards.

Repository

NROER consists of the following:

- E-library
- Themes
- E-books
- E-courses
- Events



E-library

Warehouse of all resources

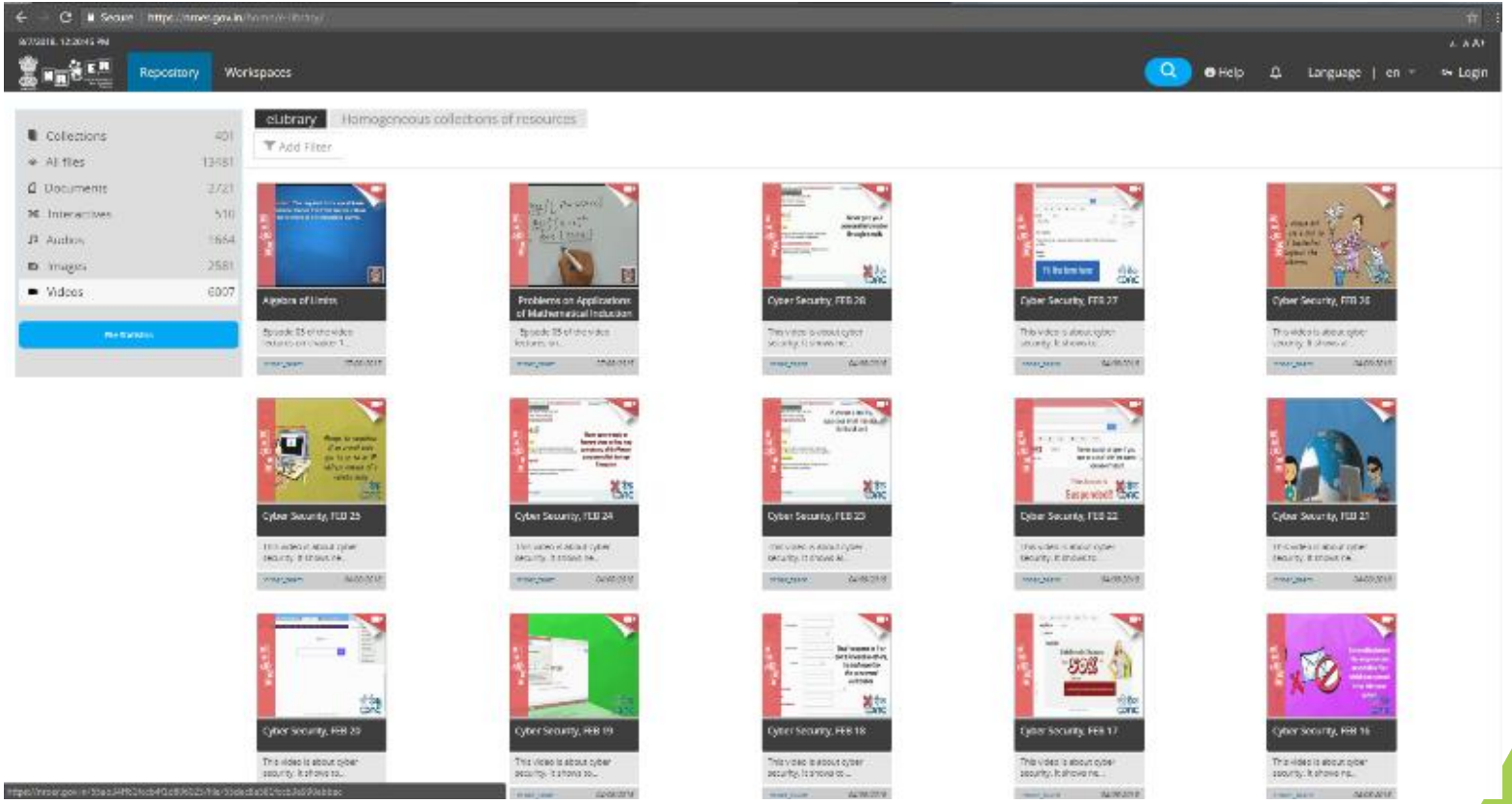
Can be filtered on:

- ✓ Media type
- ✓ Subjects
- ✓ Language
- ✓ Level

One can also

- ✓ View description and sesrch using a tags
- ✓ Rate, comment and download resources

E-library


Repository
Workspaces
Help
Language | en
Login
eLibrary
Homogeneous collections of resources
Add Filter
Collections 401
All files 13481
Documents 2721
Interactives 510
Audios 1664
Images 2581
Videos 6007
Algebra of Limits
Problems on Applications of Mathematical Induction
Cyber Security, FEB 26
Cyber Security, FEB 27
Cyber Security, FEB 25
Cyber Security, FEB 24
Cyber Security, FEB 23
Cyber Security, FEB 22
Cyber Security, FEB 21
Cyber Security, FEB 20
Cyber Security, FEB 19
Cyber Security, FEB 18
Cyber Security, FEB 17
Cyber Security, FEB 16

http://nroer.gov.in/welcome

Repository | Workspaces | Help | Language | en | Login

Home > eLibrary >

eLibrary | Homogeneous collections of resources

Add Filter

- Collections 401
- All files 13663
- Documents 2721
- Interactives 565
- Audios 1664
- Images 2581
- Videos 6133

File Statistics

World Politics and Cold War — Episode 01 of video lectures of chapter 01 of C... — nroer_team 19/10/2016

Integers — Chapter 06 of the Mathematics textbook for cl... — nroer_team 24/07/2015

Cyber Security, JUNE 04 — This video is about cyber security. It warns ab... — nroer_team 15/01/2019

Cyber Security, JUNE 05 — This video is about cyber security. It tells to... — nroer_team 15/01/2019

Cyber Security, JUNE 06 — This video is about cyber security. It says for... — nroer_team 15/01/2019

Cyber Security, JUNE 03 — This video is about cyber security. It tells ab... — nroer_team 15/01/2019

Cyber Security, JUNE 07 — This video is about cyber security. It shows us... — nroer_team 15/01/2019

Cyber Security, JUNE 02 — This video is about cyber security. It shows us... — nroer_team 15/01/2019

Cyber Security, JUNE 08 — This video is about cyber security. It guides u... — nroer_team 15/01/2019

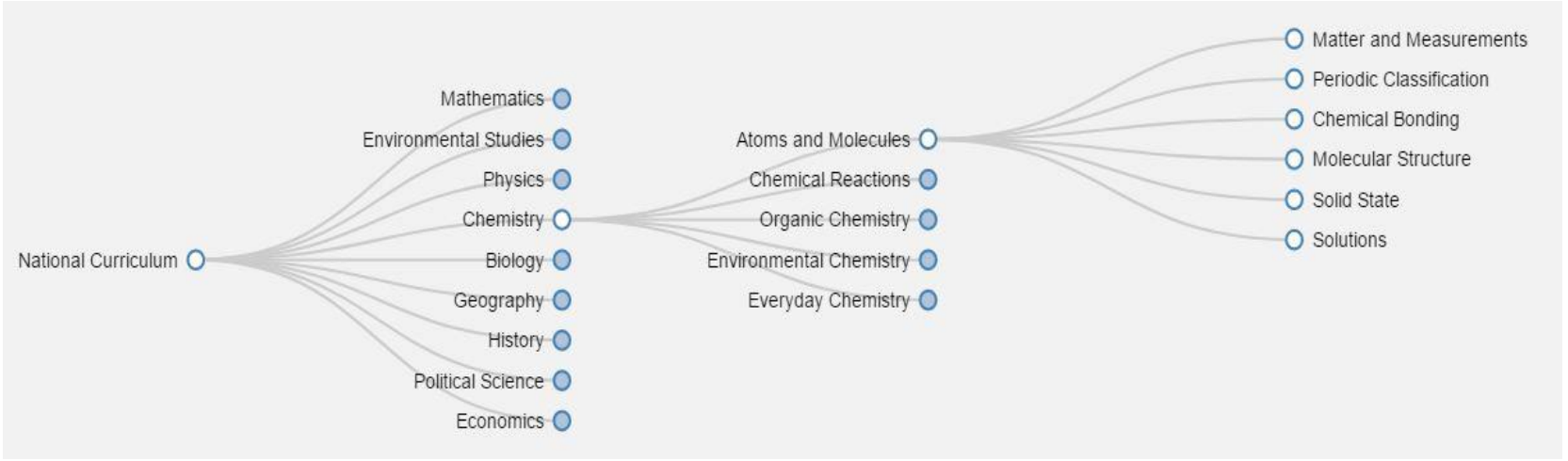
Cyber Security, JUNE 09 — This video is about cyber security. It shows us... — nroer_team 15/01/2019

E-Resources: 17,670 (cc-by-SA, NC-ND) with 16,724 Registered users

Themes

- E-resources mapped to the various themes and topics in the National Curriculum Framework.
- Easy retrieval of resources
- Specific resources for each topic

Themes


National Curriculum
Mathematics
Environmental Studies
Physics
Chemistry
Biology
Geography
History
Political Science
Economics
Atoms and Molecules
Chemical Reactions
Organic Chemistry
Environmental Chemistry
Everyday Chemistry
Matter and Measurements
Periodic Classification
Chemical Bonding
Molecular Structure
Solid State
Solutions

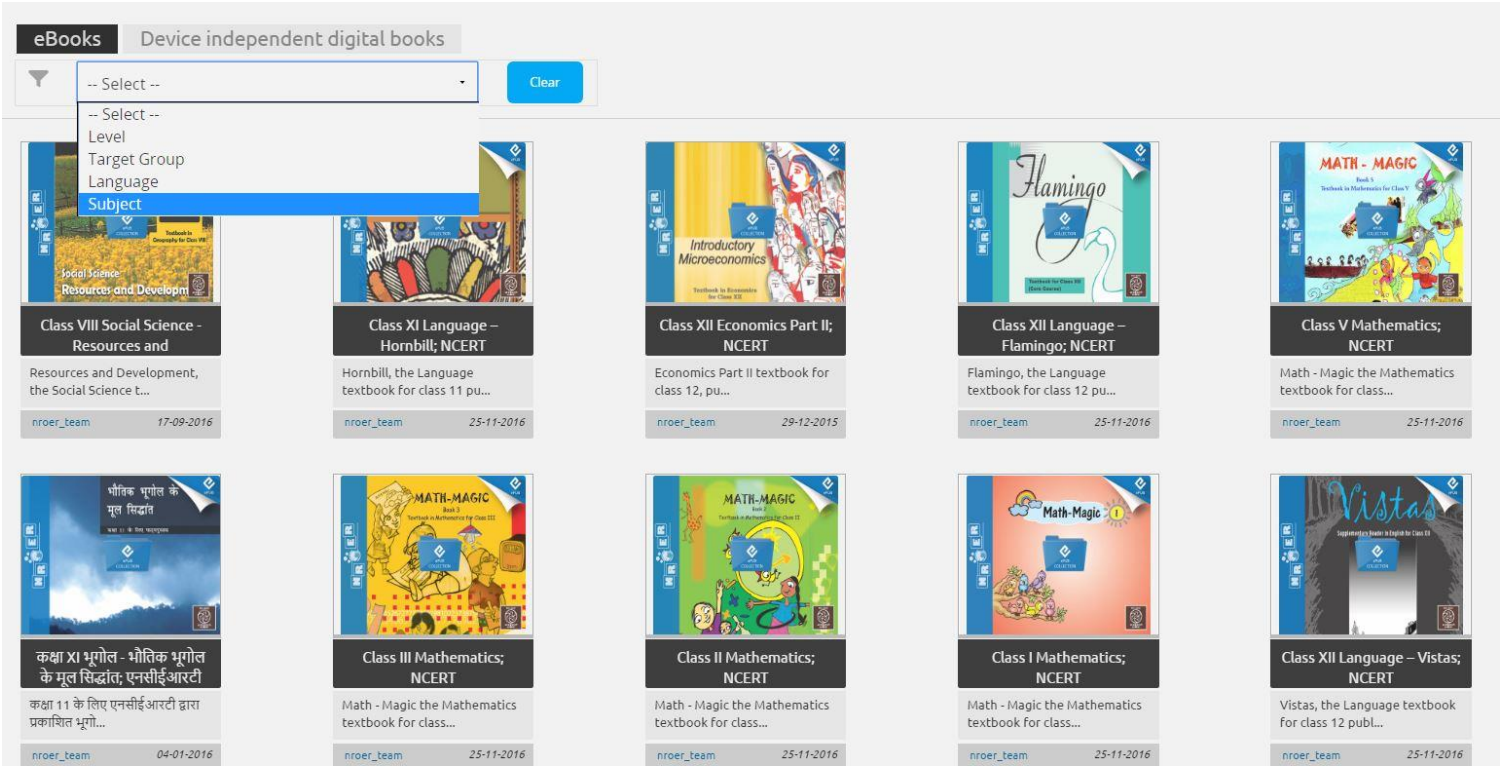
Metadata

- Data about Data
- Title, subject, class, Description
- Tags – related to the resources

E-books

- Find textbooks of NCERT and other States
- Download complete book or individual chapters
- Find Other Publications i.e. Journals, Magazines

E-books


eBooks
Device independent digital books
-- Select --
Clear
-- Select --
Level
Target Group
Language
Subject
Class VIII Social Science - Resources and
Resources and Development, the Social Science t...
nroer_team 17-09-2016
Class XI Language – Hornbill; NCERT
Hornbill, the Language textbook for class 11 pu...
nroer_team 25-11-2016
Class XII Economics Part II; NCERT
Economics Part II textbook for class 12, pu...
nroer_team 29-12-2015
Class XII Language – Flamingo; NCERT
Flamingo, the Language textbook for class 12 pu...
nroer_team 25-11-2016
Class V Mathematics; NCERT
Math - Magic the Mathematics textbook for class...
nroer_team 25-11-2016
कक्षा XI भूगोल - भौतिक भूगोल के मूल सिद्धांत; एनसीईआरटी
कक्षा 11 के लिए एनसीईआरटी द्वारा प्रकाशित भूगो...
nroer_team 04-01-2016
Class III Mathematics; NCERT
Math - Magic the Mathematics textbook for class...
nroer_team 25-11-2016
Class II Mathematics; NCERT
Math - Magic the Mathematics textbook for class...
nroer_team 25-11-2016
Class I Mathematics; NCERT
Math - Magic the Mathematics textbook for class...
nroer_team 25-11-2016
Class XII Language – Vistas; NCERT
Vistas, the Language textbook for class 12 publ...
nroer_team 25-11-2016

Workspace

- Personal workspace : Every Individual
- Public workspace : States, Individual (As Partner) & Institutions

States, Institutions and Individual

- Own Your Workspace
- Create, contribute and showcase resources
- Adapt, translate and share
- Organise courses and events
- Disseminate online/offline

State Partners

State Institute of Educational Technology

The State Institute of Education Technology, po...

03-01-2017

State Council of Educational Research and

18-11-2016

SCERT Uttar Pradesh

The SCERT of UP was established at Lucknow i...

03-01-2017

State Council of Educational Research and

The State Council of Educational Research and T...

03-01-2017

SIERT Rajsthan, Udaipur

"The State Institute of Educational Research ...

18-11-2016

State Institute of Educational Technology

SIET, A.P., Hyderabad was est...

18-11-2016

Gujarat Institute of Educational Technology

The institute was established in April 1984 u...

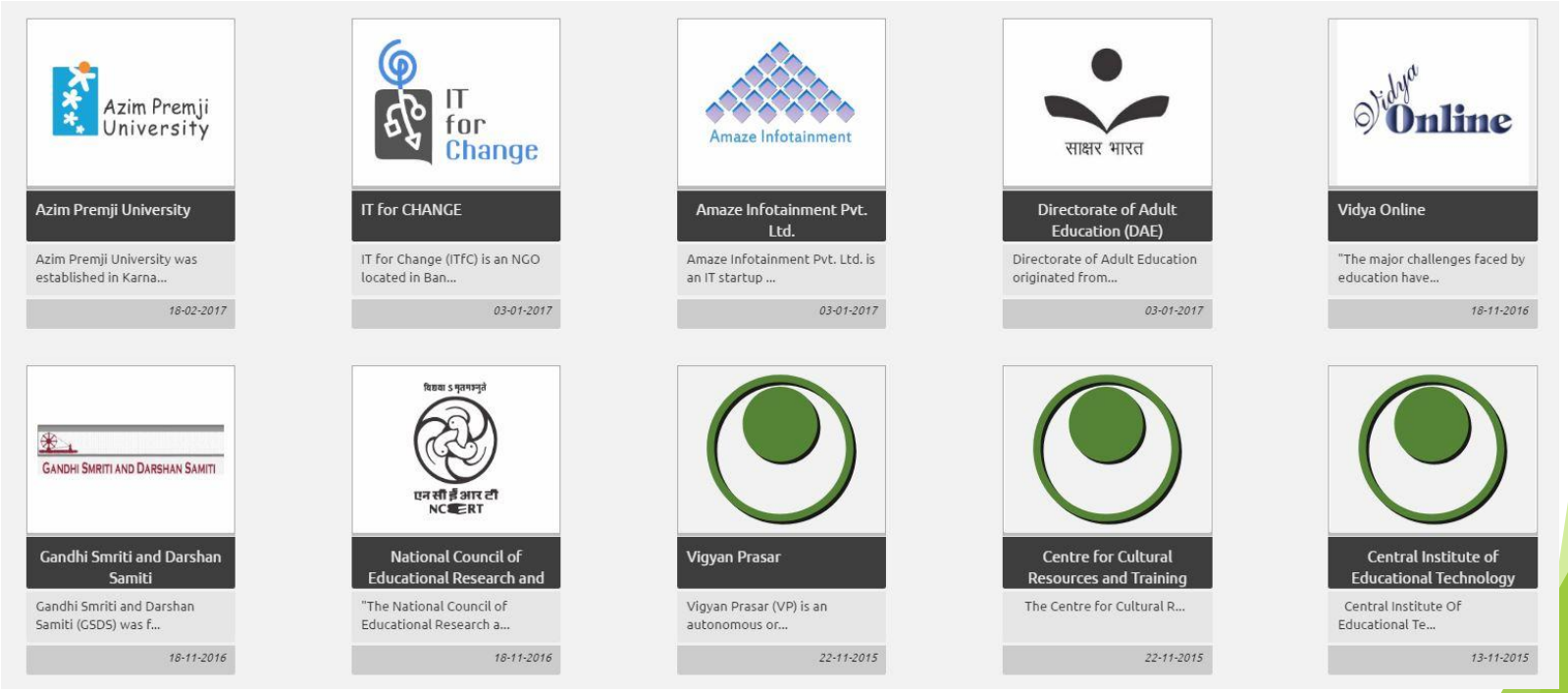
18-11-2016

State Institute of Educational Technology

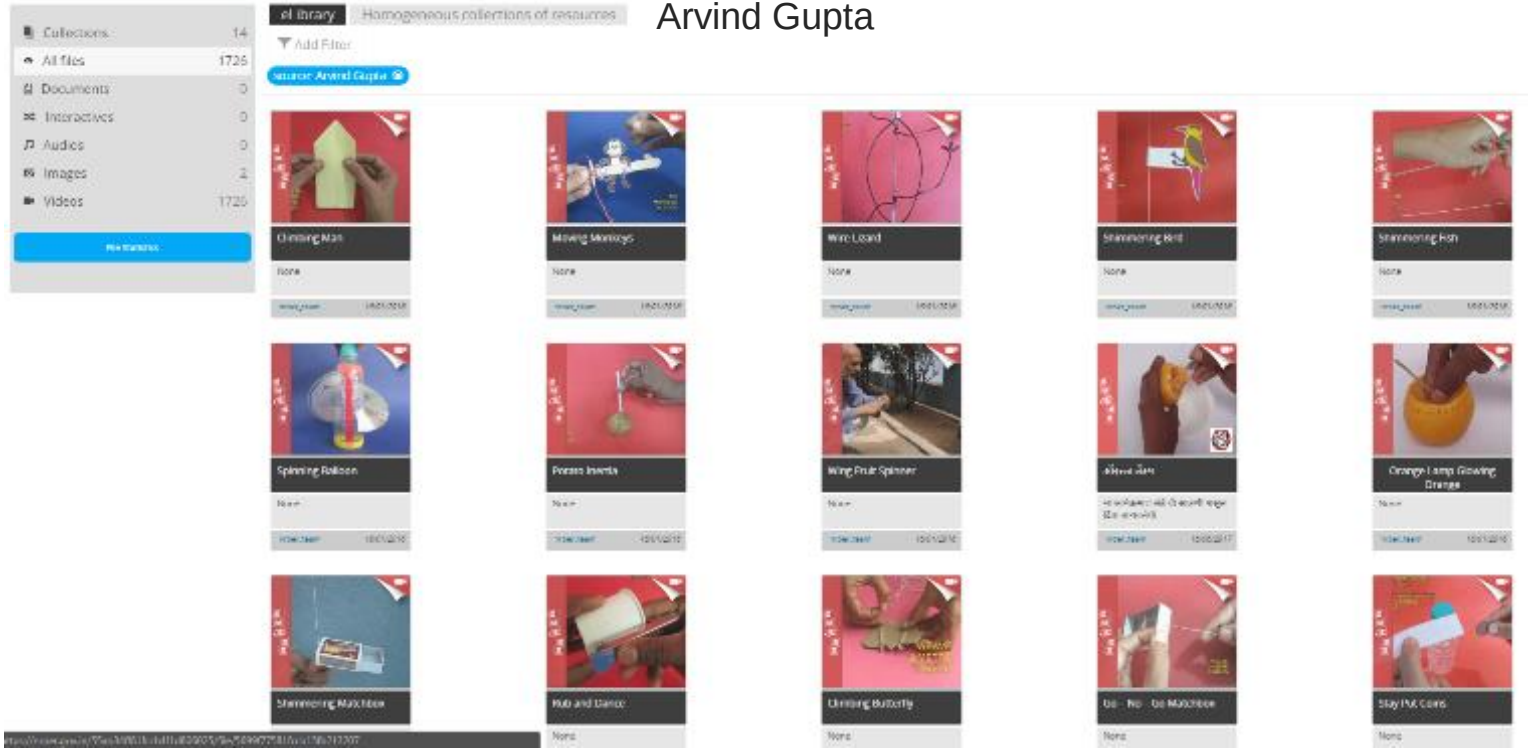
"The Institute was constituted under the Trav...

18-11-2016

Institutional Partners



Individual Partners



Arvind Gupta

Evaluation of Resources

Aims of Evaluation

- Preparation and dissemination of quality digital/ e-contents.
- Development of digital resources as per the National/International policy on open standards.

Aspects of Evaluation

- Content
- Data
- Language
- Presentation
- Production
- Technical

Points to be Taken Care

- ✓ Pedagogy/ Andragogy
- ✓ Constitutional Values
- ✓ Scientific temper
- ✓ National Concerns-Gender, Class, Caste,
- ✓ Religious, Cultural etc.
- ✓ Values-Peace oriented
- ✓ Environmental
- ✓ Concerns of Specially abled-WWWC, PWG
- ✓ Sharable Content Object Reference Model (SCORM)

Process of Evaluation of e-contents
Review Process on NROER

Level-1

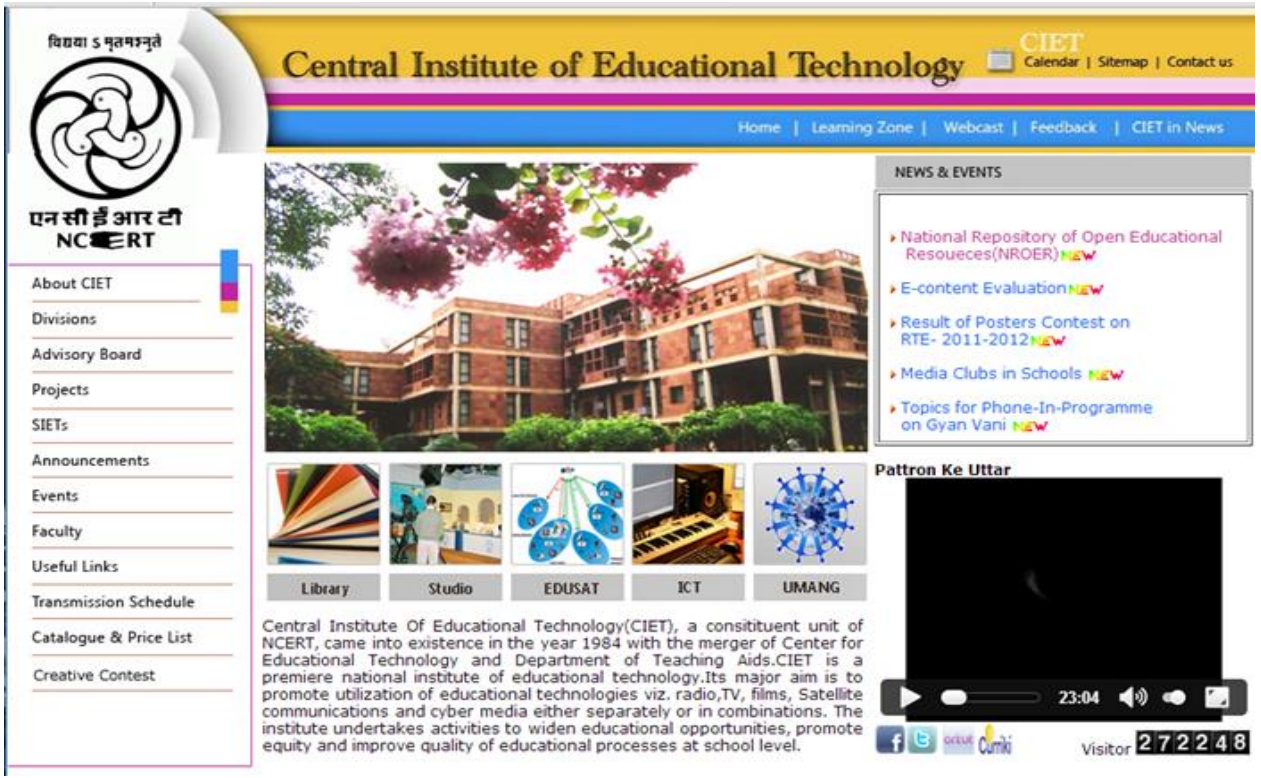
- In-house review
- Third party review
- Approved content on NROER

Level-2

- Comment and rating on NROER

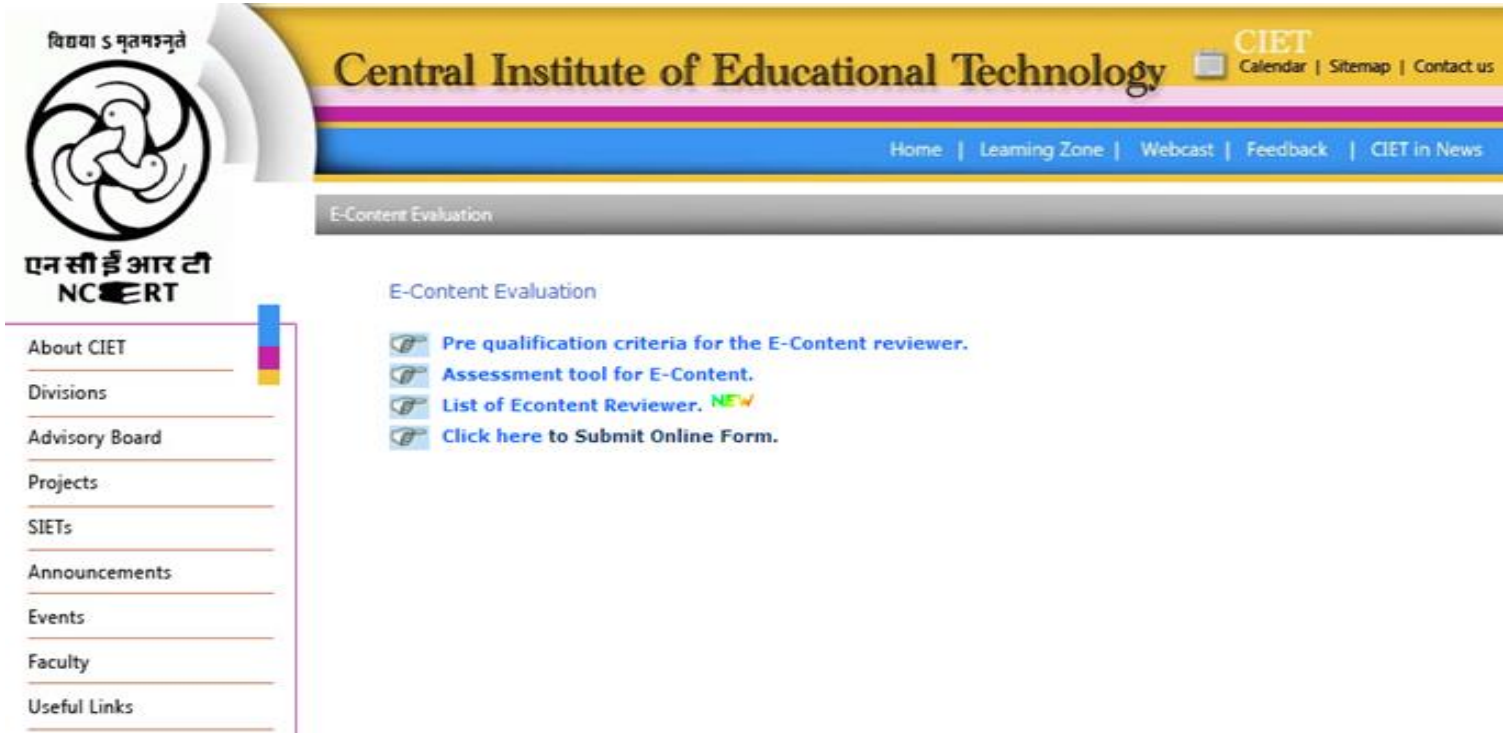
E-content evaluation

http://www.ciet.nic.in/



E-content evaluation

http://www.ciet.nic.in/



E-content evaluation

http://www.ciet.nic.in/

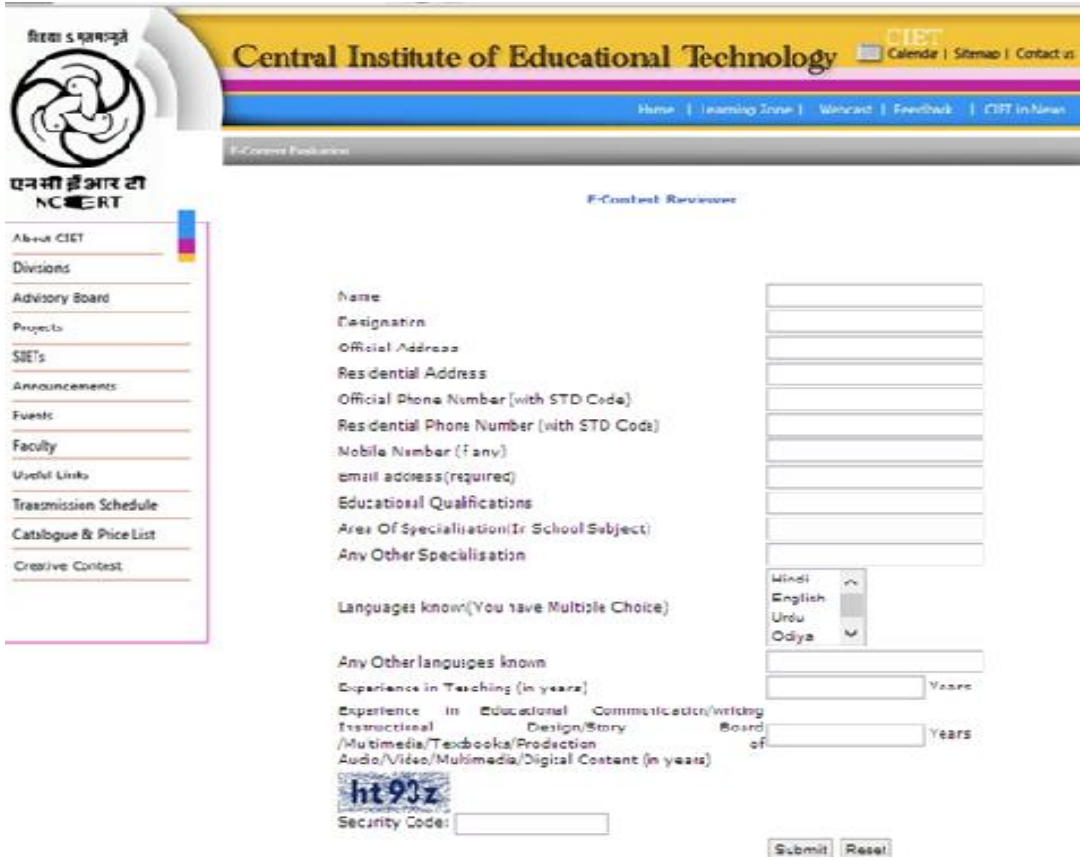
List of Experts for evaluation of E-Content

Physics

Sl. No.	Name	Address	Qualification	E-mail	Languages Known
1.	Dr. M. P. Singh	**Official:** SIE, Shiksha Sadan Port Blair- 744101 A&N Islands	M.Sc, Ph.D (Physics) B.Ed	mandalpalsingh3012@gmail.com	
2.	Ms. Meenambika Menon	**Official:** TGT, Cambridge School, Noida, UP	M.Sc (Physics), M.Sc (Ecology & Environment), B.Ed	meenambika@yahoo.com	
3.	Mr. H K Dewan	**Official:** Vidya Bhawan Society, Udaipur, Rajasthan	Ph.D (Physics)	vbsudr@yahoo.com	
4.	Renuka Madan	**Official:** TGT (Physics) Airforce Golden Jubilee Institute, New Delhi	B.Sc (Honours), B.Ed	renuka1967@gmail.com	
5.	Rachna Garg	**Official:** Assistant Professor, NCERT, New Delhi	Ph.D		
6.	Jose Cherian	**Official:** PGT KV, Andrews Ganj, New Delhi	M.Sc (Physics), B.Ed	josecherian62@gmail.com	
7.	Ms. Anuradha Mathur	**Official:** PGT Modern School, Vasanth Vihar, New Delhi	M.Sc (Physics), B.Ed	mathur.anuradha@gmail.com	
8.	Shoukaman K.P.	**Official:** High School, Assistant, GHSS Panamkandy, P.O. Karani-673591	B.Sc (Physics), B.Ed	kpshouk@yahoo.co.in	
9.	Ajith Kumar	**Official:** Assistant Professor, Room No.133, G-Block, School of Education, IGNOU, New Delhi-110068	M.Sc (Physics), M.Ed (Science Education), UGC-NET	ajithchalil@ignou.ac.in	

E-content evaluation

http://www.ciet.nic.in/



NROER

Website :

http://nroer.gov.in

Email :

nroer.ciet@gmail.com

admin.nroer@ciet.nic.in

DIKSHA: Digital Infrastructure for Knowledge Sharing

To keep pace with the vision of Digital India Campaign and to ensure any time anywhere free access to digital educational resources, the Union Ministry of Human Resource and Development launched DIKSHA - Digital Infrastructure for Knowledge Sharing (https://diksha.gov.in/), in order to equip the teachers across the nation with advanced digital technology.

Main components of DIKSHA platform

1) Teacher Profile & Registry: Functionality to create State-level DIKSHA user profiles, with users having the flexibility to on-board anonymously, using their preferred login credentials as well as by State.
2) Teaching & Learning Content: Curriculum linked resources for teachers and students in an interactive and engaging format.
3) Content Creation Platform: Tools and platforms for creating and uploading content.
4) Teacher Professional Development: Contextualized digital courses for supporting teachers in their professional development.

Main components of DIKSHA platform

5) School Leadership Development: Repository of relevant courses to help principals, vice principals and head of schools improve their leadership skills.

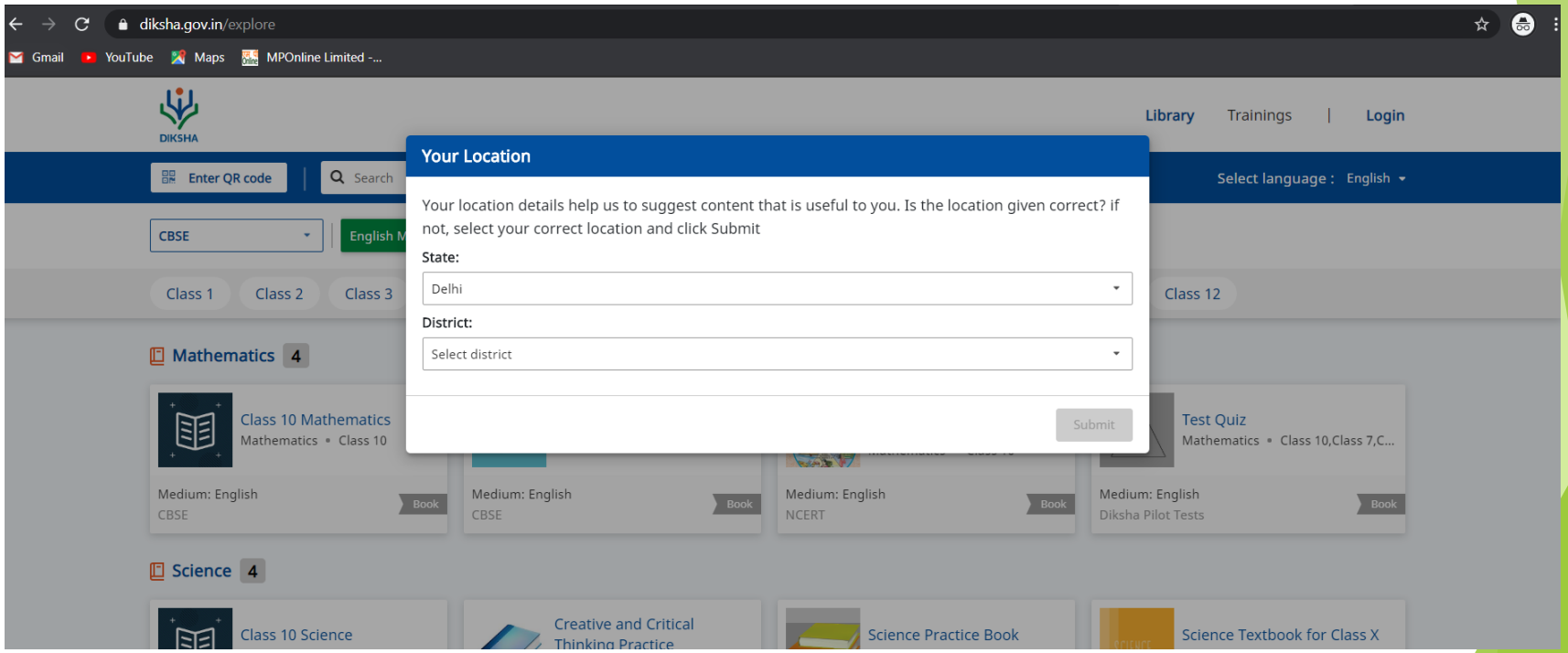
6) Assessments: Resources and tools for teachers, students for school-level assessments.

7) Innovations & Innovative Pedagogy: Sharing of best practices and experiences amongst the teacher community through case studies, research papers and innovative pedagogical practices.

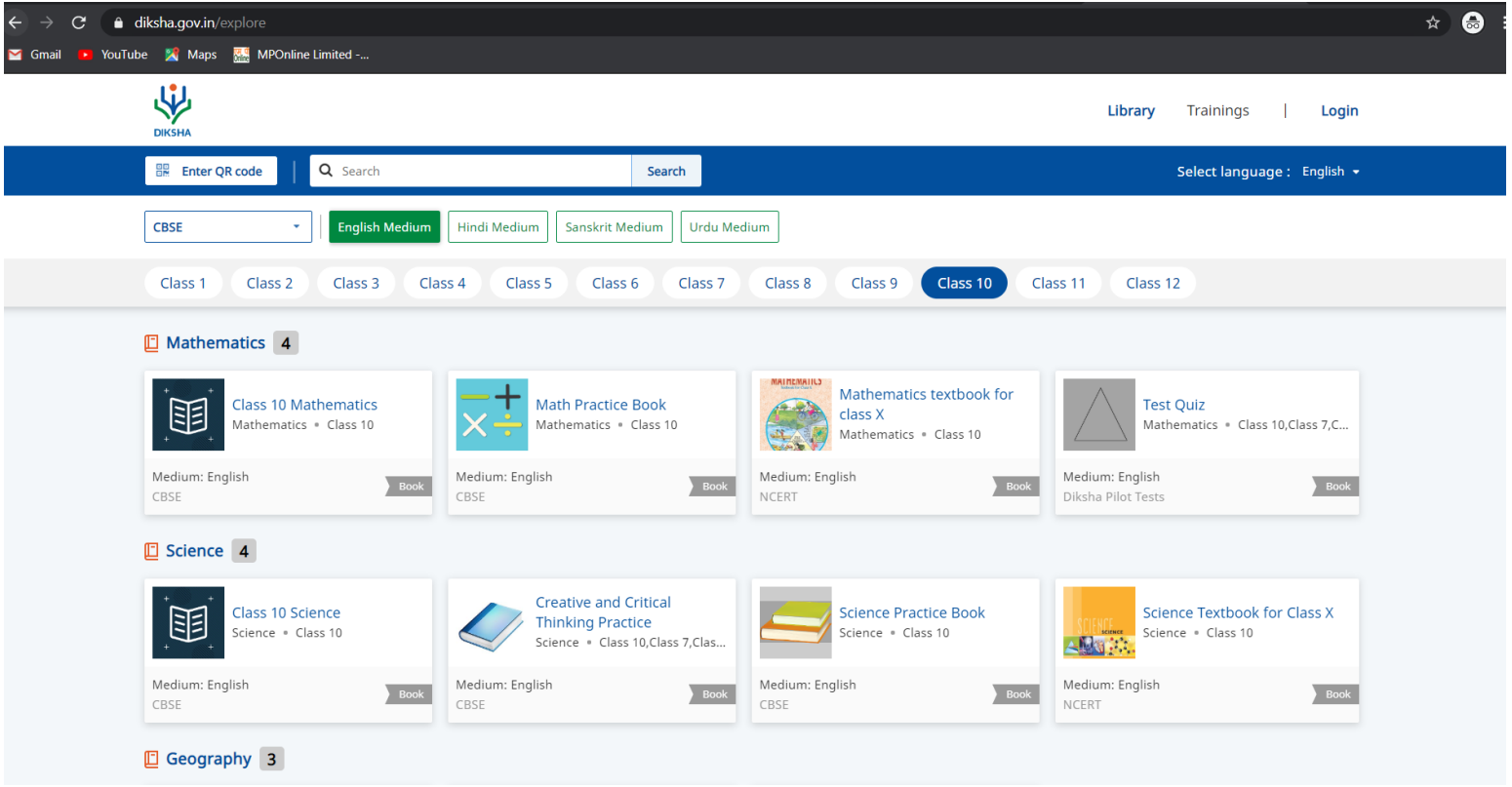
Getting Started with DIKSHA

1. The portal can be accessed through the URL https://diksha.gov.in/ from any browser
2. Click on the **“Explore Content”** button on top right

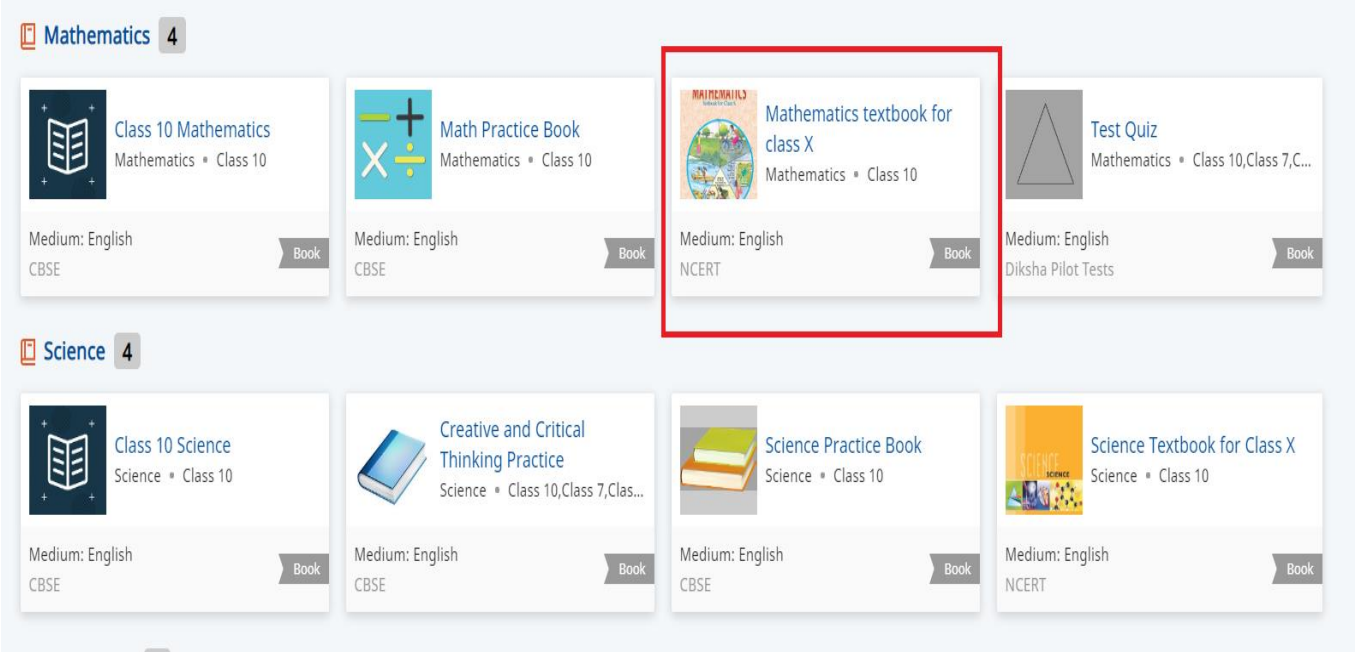
3. The following screen would be displayed. Choose the State and District form the drop down and click on the **“Submit”** button



4. The following screen will appear:



5. Select any book

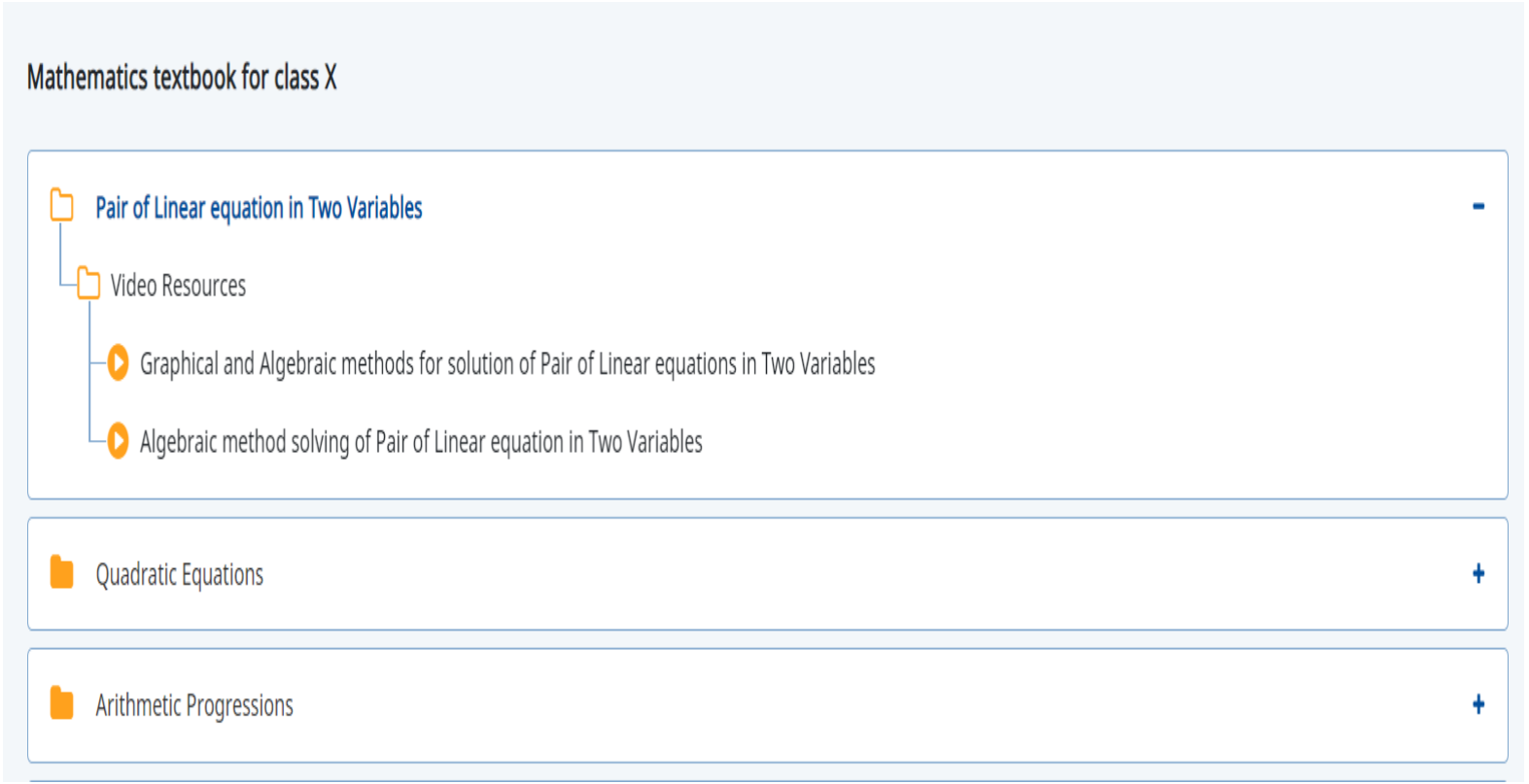


5.TOC: Table of content will appear

Mathematics textbook for class X

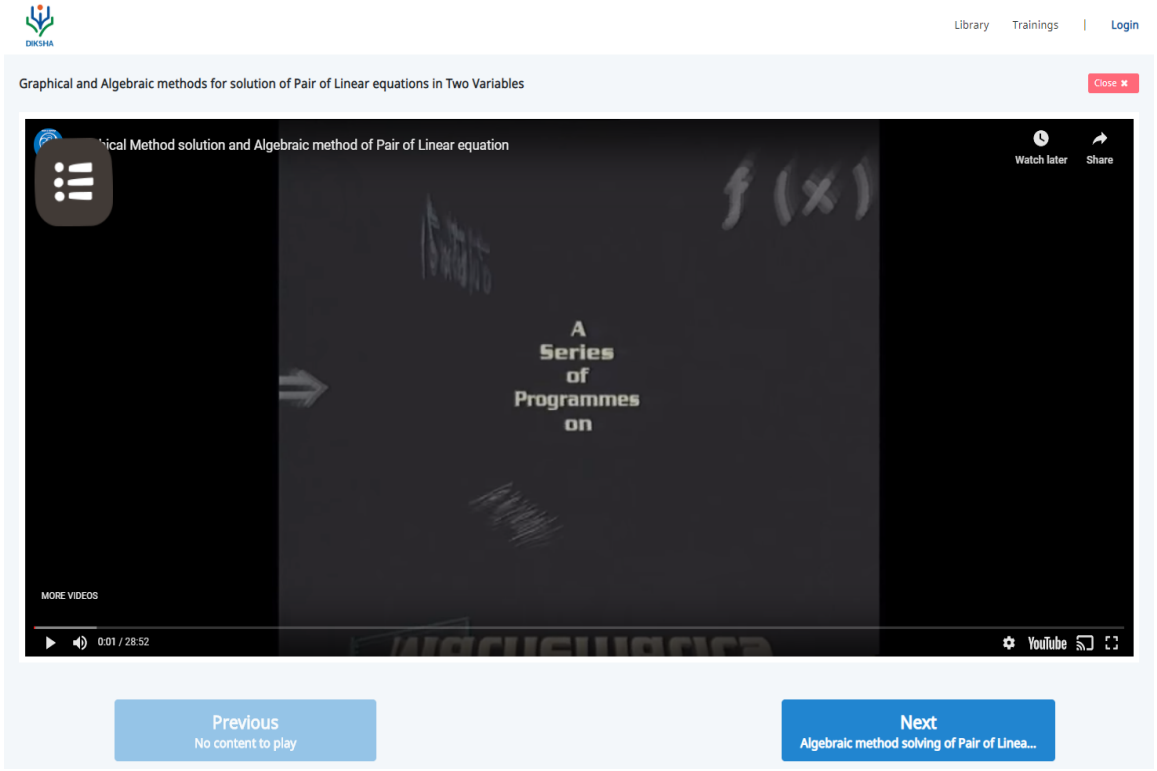
- Pair of Linear equation in Two Variables
- Quadratic Equations
- Arithmetic Progressions
- Triangles
- Introduction of Trigonometry
- Some Applications of Trigonometry
- Constructions
- Areas Related to circles
- Surface areas and volumes

6. Click on any content from the list to see mapped resources

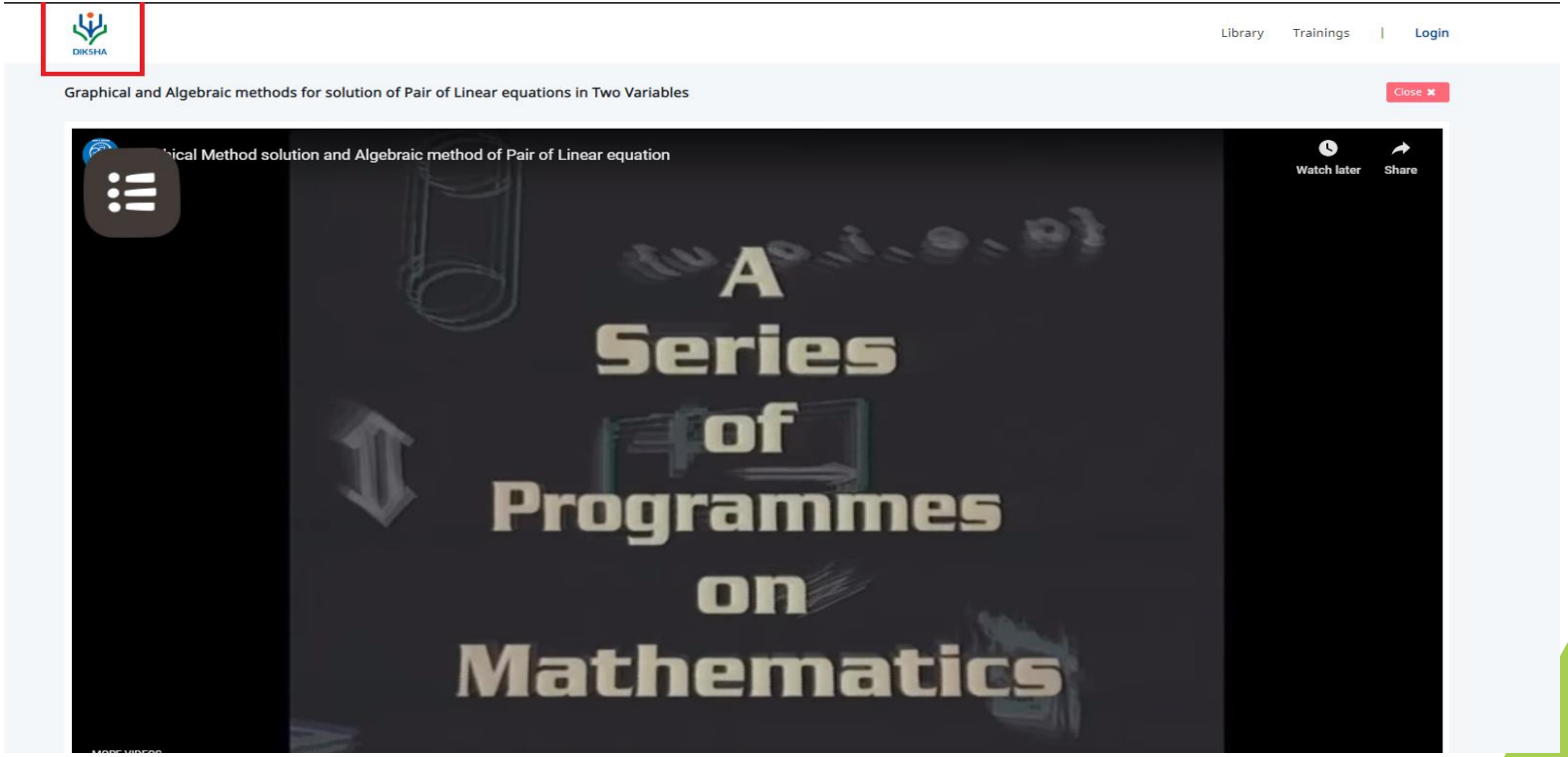


7. Play Video

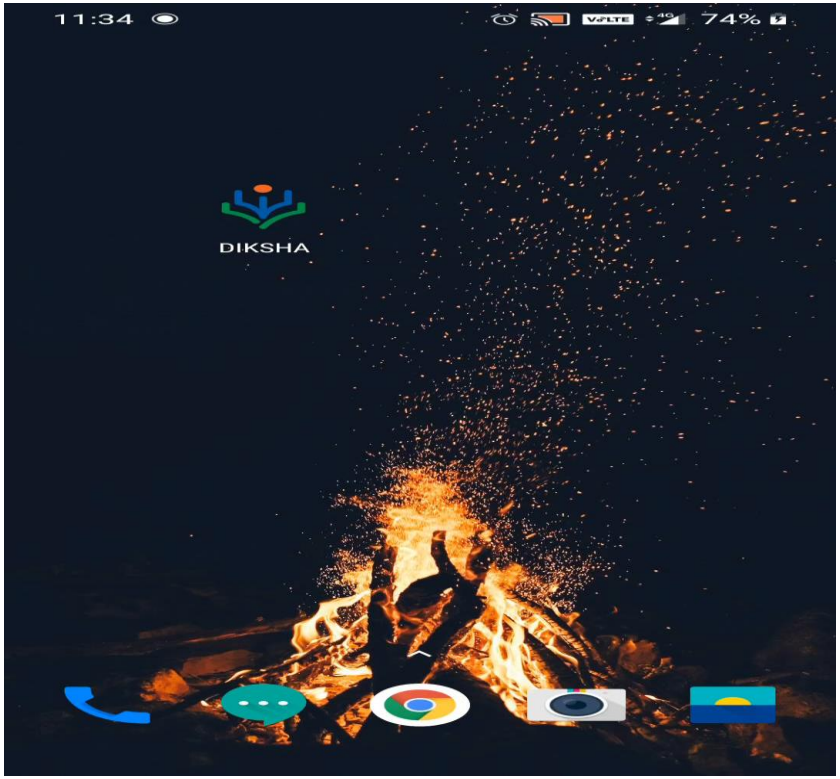
8. Click on to next button below to move on to the next resource



9. To view any other textbook or to go to the home page, click on the DIKSHA logo given on the top left corner(https://diksha.gov.in/)



Getting Started with DIKSHA Mobile App



Launch of Constitution Quiz on 14th April, 2020 the 129th birth anniversary of Bharat Ratna Dr.Baba Sahib Bhim Rao Ambedkar

VIDEO-2020-04-14-15-37-51.mp4

THANK YOU

indu.kumar@ciet.nic.in