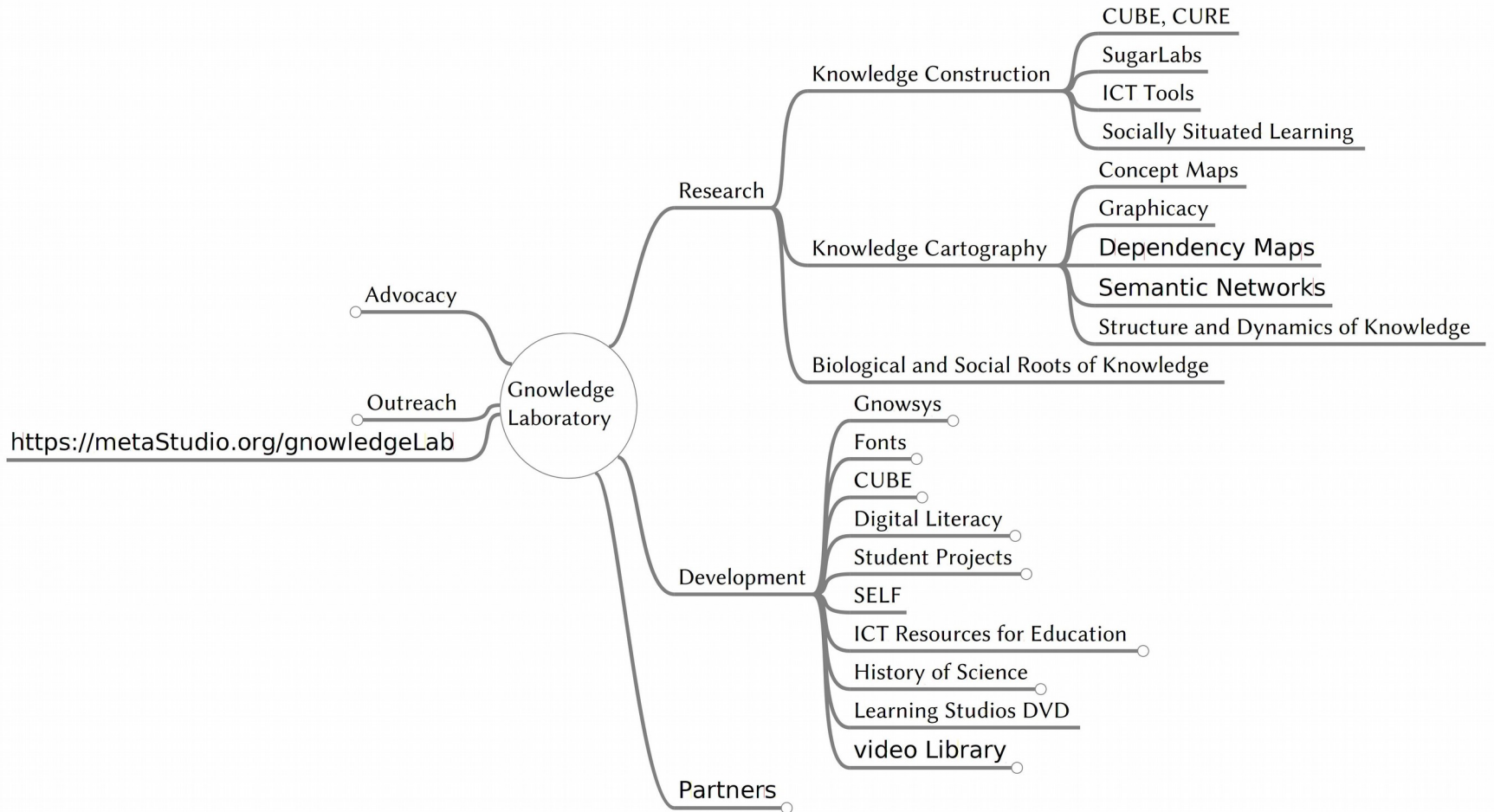
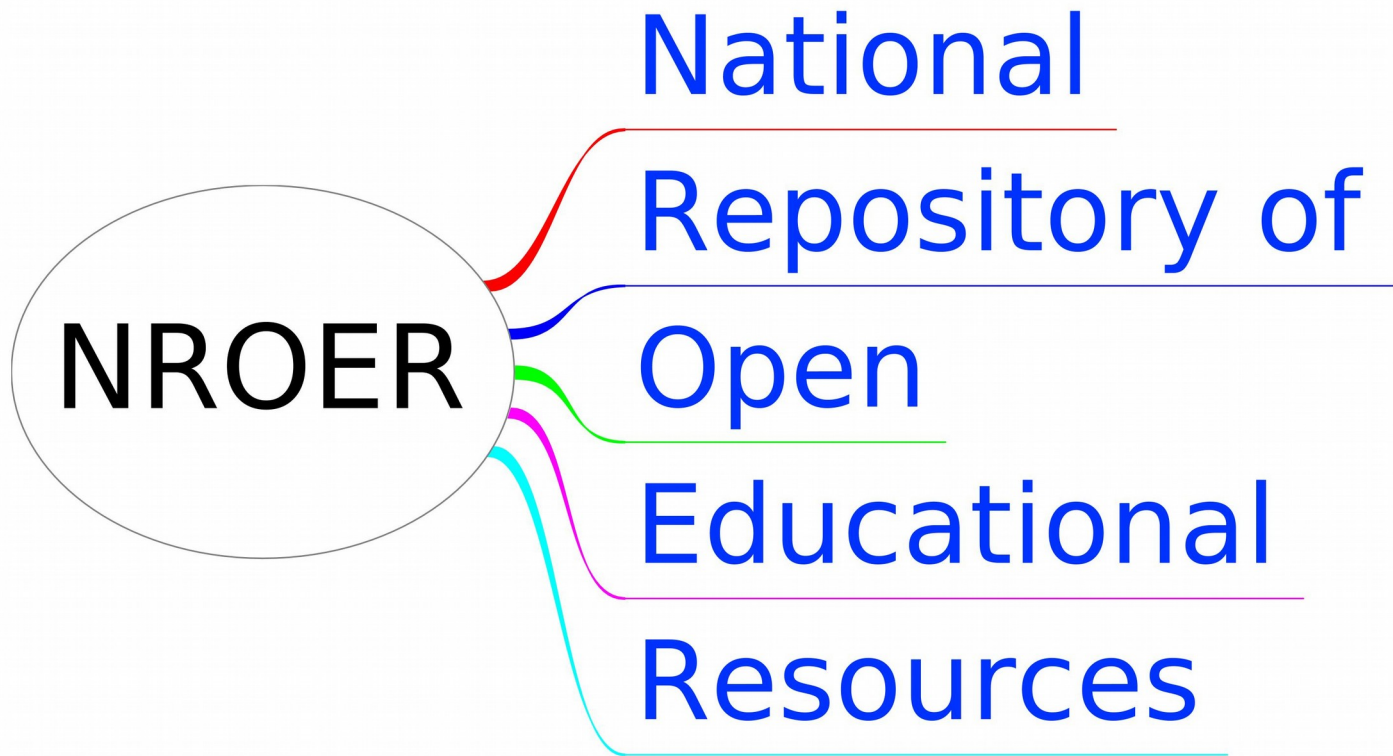


# NROER Online and Offline

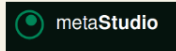
Nagarjuna G (gnowledge lab)  
And  
CIET team (NCERT)

# Gnowledge Lab





# Started with a MOOC on OER



ABOUT

REGISTER NOW

Sign in

## In Collaboration with Commonwealth of Learning

Teach Smarter with Open Educational Resources

ENROLLMENT IS CLOSED



overview

### ABOUT THIS COURSE

Welcome to OER101, a course created jointly by NCERT and the Commonwealth of Learning to foster the use of Open Educational Resources (OER) in teaching and learning. OERs generally refer to resources on the web which can be easily and freely reused, redistributed, remixed and revised. They offer tremendous flexibility and can serve as a potent tool to aid classroom learning if used well. This course



Course Number **OER101**

Classes Start **Sep 05, 2014**

Classes End **Oct 09, 2014**





OOOOER

Collaborative

Open

Online

Offline

Ongoing

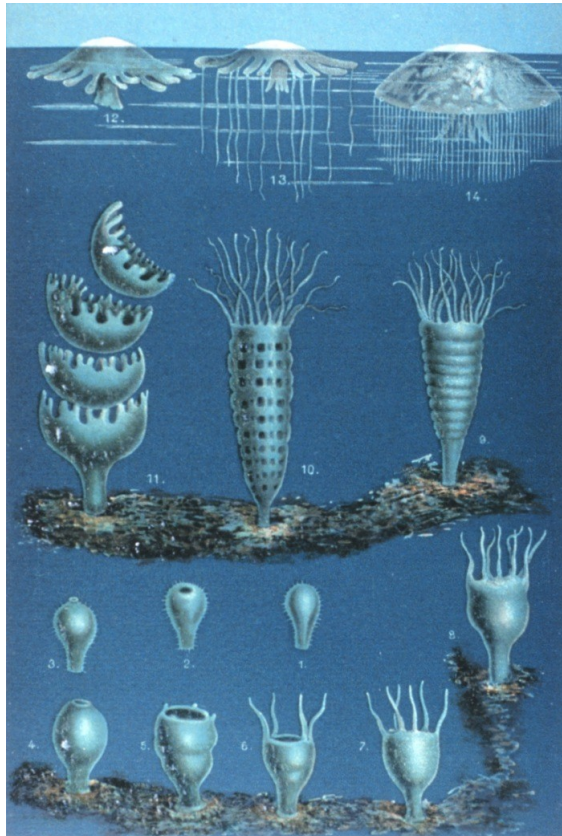
Our lab is called COOOOL

# Principles

- To use Free and Open Source Software stack
- To produce Free and Open Source Software
- Open standards
- Interoperable and standards complaint protocols
- Creative Commons License (OER Complaint)



# Three stages of the project



- Medusa (off line)
- Polyp to Medusa
- Planula to Polyp (when connected to backbone)

# Landing Page



Repository

Partners ▾

Groups ▾

Help

Language | en ▾

Login



CONNECTING KNOWLEDGE

CONNECTING PEOPLE

Bridging divides

Building partnerships

Nurturing networks & interest groups

[Click here to visit the old site](#)

# A project supported by Govt of India



Repository Partners Groups Help Language | en Login



सत्यमेव जयते

An initiative of

Department of School Education and Literacy

Ministry of Human Resource Development


[Click here to visit the old site](#)



Powered by gstudio built at Gnowledge Lab,  
Homi Bhabha Centre for Science Education, TIFR.







# Resource Groups

← nroer.gov.in/home/repository 🔍 Search ☆ 📁 ↓ 🏠 😊 📄 ☰

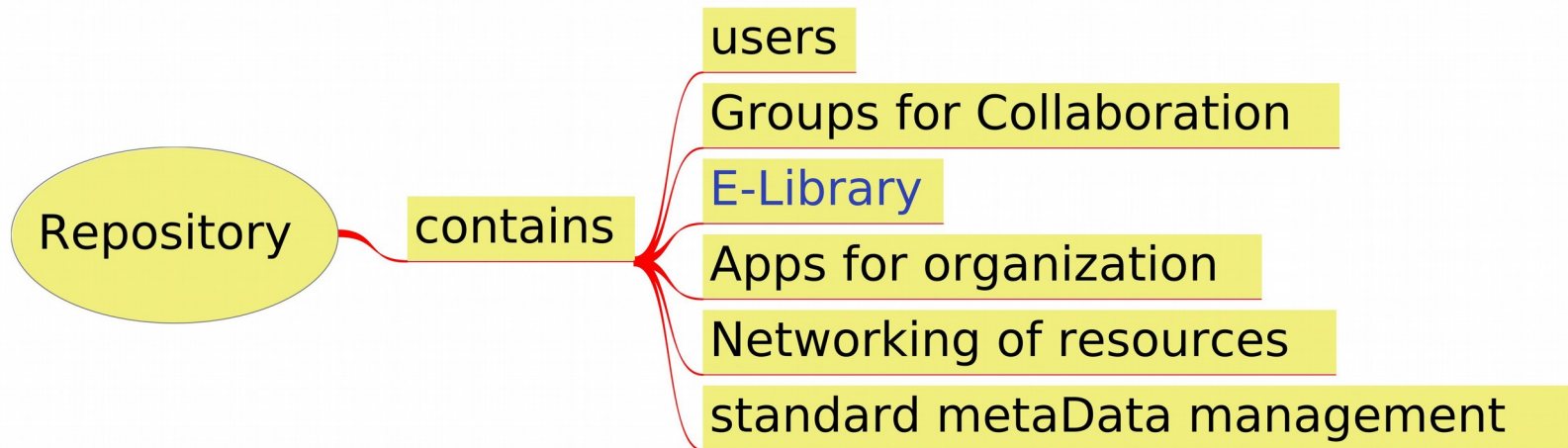
 Repository Partners ▾ Groups ▾ Help Language | en ▾ Login

🏠 Home <BACK Search home 🔍

**Repository** Digital resource grouped in multiple ways

- Themes**  
  
Open Educational Resources mapped to school curricular
- eLibrary**  
  
Homogeneous collections of resources
- eBooks**  
  
Device independent digital books
- eCourses**  
  
Online and blended courses
- Events**  
  
Community showcases and celebrations
- Partner Showcase**  
  
Contributions from institutions and individuals

# Main Components



# Elibrary contains Assets

- Web Pages
- Wiki Pages
- Files
  - Video
  - Images
  - Audio
  - Presentations
  - Interactives
  - PDF files
  - Word Processing files etc.
- Programs
- Courses
- Collections



**National Curriculum** Themes and topics mapped to the National Curriculum

[Theme Graph](#)

[Theme Tree](#)

- ▼ **Mathematics**
  - ▼ **Foundation**
    - 📄 Patterns and Symmetry
    - 📄 Mathematical Reasoning
    - 📄 Proofs in Mathematics
    - 📄 Mathematical Modelling
  - ▶ **Number Systems**
  - ▶ **Geometry**
  - ▶ **Algebra**
  - ▶ **Measurements**
  - ▶ **Statistics**
  - ▶ **Coordinate Geometry**
  - ▶ **Trigonometry**
  - ▶ **Calculus**
  - ▶ **Sets**
- ▶ **Environmental Studies**
- ▶ **Physics**
- ▶ **Chemistry**

Videos: 12














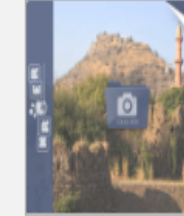
# Collections in the Elibrary

**eLibrary** Homogeneous collections of resources

Add Filter

- Collections 40
- All files 2274
- Documents 27
- Interactives 31
- Audios 499
- Images 410
- Videos 1074

[File Statistics](#)

 <p><b>Satriya</b></p> <p>Satriya images created by CCRT</p> <p>nroer team 27-08-2016</p>	 <p><b>Manipuri</b></p> <p>Manipuri images created by CCRT</p> <p>nroer team 27-08-2016</p>	 <p><b>Kuchipudi</b></p> <p>Kuchipudi images created by CCRT</p> <p>nroer team 27-08-2016</p>	 <p><b>Kathak</b></p> <p>Kathak images created by CCRT</p> <p>nroer team 27-08-2016</p>	 <p><b>Bharatnatyam</b></p> <p>Bharatnatyam images created by CCRT</p> <p>nroer team 27-08-2016</p>
 <p><b>Sun Temple</b></p> <p>The Sun Temple at Modhera in Gujarat, is de...</p> <p>nroer team 02-03-2016</p>	 <p><b>Sidi Saiyyed's Mosque</b></p> <p>Built in 1573, by Sidi Saeed or Sidi Saiyye...</p> <p>nroer team 02-03-2016</p>	 <p><b>Satpula</b></p> <p>An ancient water harvesting dam or weir loc...</p> <p>nroer team 02-03-2016</p>	 <p><b>Floor Designs</b></p> <p>Images of different traditional forms of FL...</p> <p>nroer team 01-03-2016</p>	 <p><b>Daulatabad Fort</b></p> <p>Carrying the distinction of remaining undef...</p> <p>nroer team 02-03-2016</p>

# List of Items in a Collection


Repository Partners Groups Help Language | hi Login

Home < BACK Themes eLibrary eBooks eCourses Events खोज home

## Sun Temple

- The Sun Temple
- Surya Kund
- Temple of Lord Vishnu
- Distant View of Sabha Mandap
- Sabha Mandap
- Pillars of Sabha Mandap
- Interior of Sabha Mandap
- Guru Mandap
- Carving on Sun Temple
- Sun Temple Complex
- Pushpavati River

Change Thumbnail



Sun Temple

The Sun Temple at Modhera in Gujarat, is dedicated to the Hindu Sun-God, Surya. Situated on the bank of the river Pushpavati, about a 100 km from Ahmedabad, it was built by King Bhimdev of the Solanki dynasty in 1026 AD. The temple was so designed that the first rays of the sun fell on the deity, at the time of equinoxes.


Edit Published

Tags *No tags defined yet!*

Views *Show no. of views*


Rating ☆☆☆☆☆ Avg. : unrated by 1

Programs Join



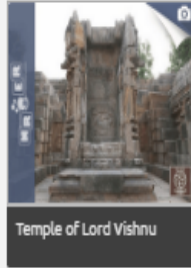
The Sun Temple

Long shot of Sun Temple Modhera




Surya Kund

Surya Kund, also known as Rama-kunda is a f...







Temple of Lord Vishnu

Temple of Lord Vishnu



Distant View of Sabha Mandap

Sabha Mandap, Sun Temple



विद्यया ऽ मृतमश्नुते

# An Item in a Collection

Surya Kund

change in umonai

Surya Kund:



[View in Full Screen](#)

Edit

Published

Tags *No tags defined yet!*

Views *Show no. of views*

Rating ☆☆☆☆ *Not rated yet!*

Programs

Join

विद्यया ऽ मृतमश्नुते



एन सी ई आर टी  
NCERT








Surya Kund, also known as Rama-kunda is a fascinating massive rectangular stepped tank, located in front of the toran. It measures 176 feet north-south, by 120 Feet east-west.

# Stats



Home

MENU  
APPS

 Collections	85
 All files	5003
 Documents	27
 Interactives	63
 Audios	1223
 Images	978
 Videos	2326

File Statistics

# Curation: Metadata Form

Repository Partners Groups Help Language | en | nagarjuna

Home < BACK Themes eLibrary eBooks eCourses Events Updates

Editor

You can upload files of any format to your group library. Also edit the details regarding the same.

### Editing File : Law of Demand


Law of Demand

Node Requires Collection **Metadata** Teaches Interaction Settings Help

Please add or edit Metadata

Time Required:	--Select--	Age Range:	--Select--
Interactivity Type:	Expositive	Educational Level: *	Secondary Senior Secondary Tertiary
Reading Level:	--Select--	Educational Use:	Videos
Curricular:	True	Text Complexity:	--Select--
Educational Subject: *	Economics	Target Audience: *	--Select-- Teachers Students
Educational Alignment:	All		
Based on Url:	None	Source:	CIET, NCERT
		License:	CC BY-SA

Save as Draft And Preview



# Partners

## Partners

### State Partners



Curators of resources in State languages

### Institutional Partners



<div id="preamble">&nbsp;</div>  
<div id=...

### Individual Partners



<div id="preamble">&nbsp;</div>  
<div id=...

Interest Groups

3



# Special Interest Groups

Groups sharing common interests and goals

- Join an already existing group and participate in its activities.
- To start a group on a new theme, send a request to the Editor at [nroer.desk@gnnowledge.org](mailto:nroer.desk@gnnowledge.org)

Edit Published

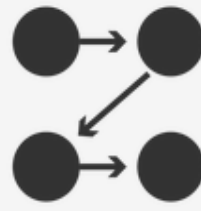
Programs Join



Teacher Education Resources

This group is meant for creating teacher educuc...

19-05-2016



Learning Sequences SIG

Welcome to the Special Interest Group on C...

08-12-2015



Reboot

An exploration of technology applications i...

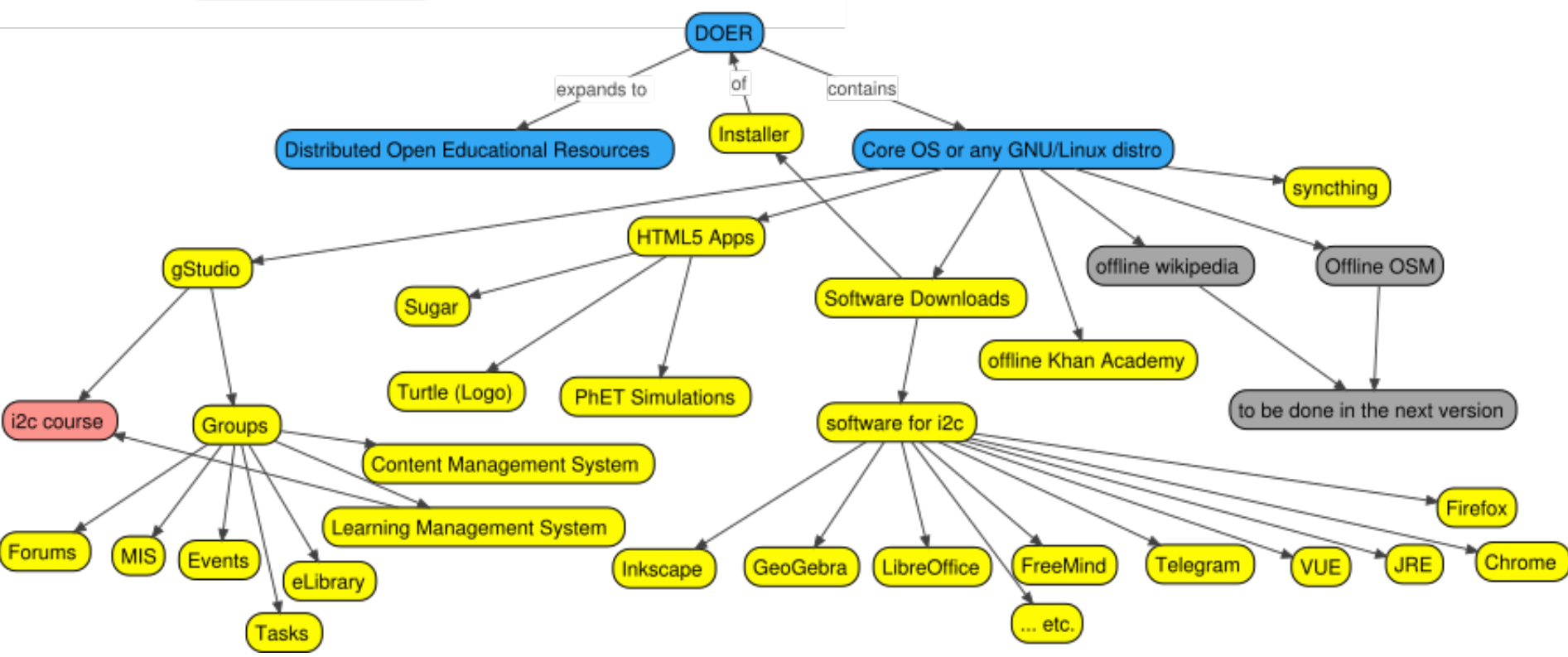
18-12-2015

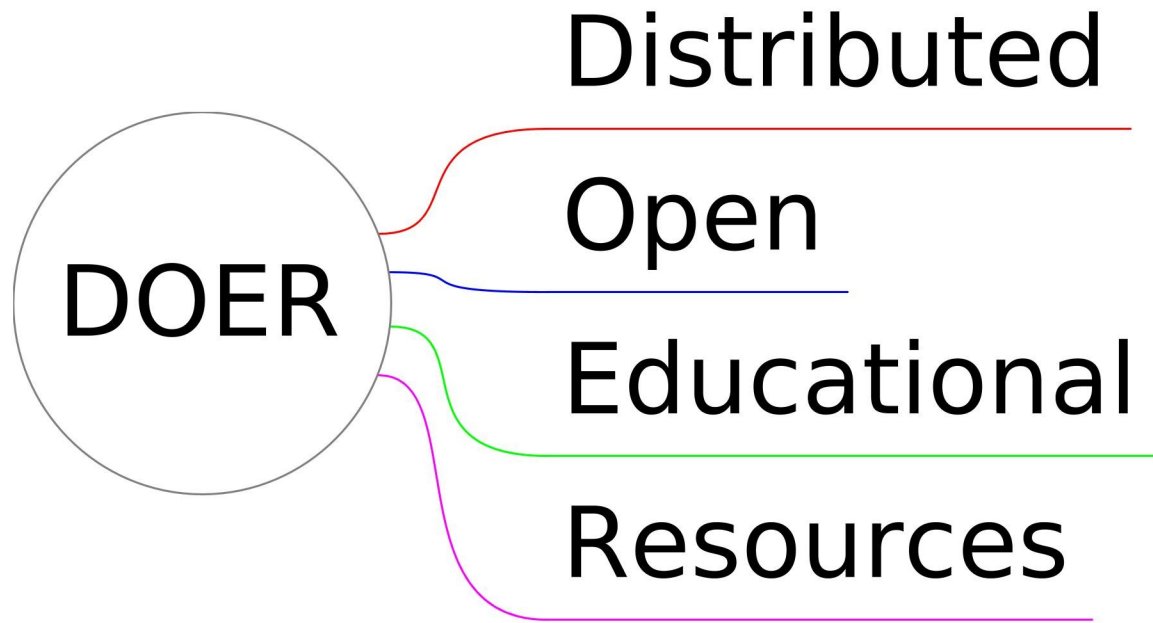




# Internet in a Box

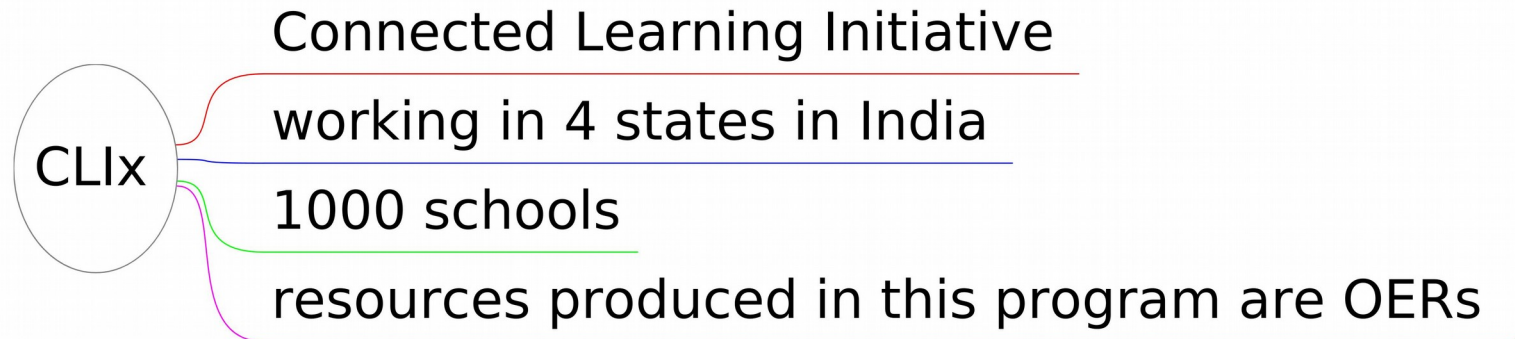
School Server Distribution





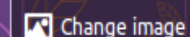
# Clix.tiss.edu

## i2c-clix.tiss.edu



# Activity based Course Player

## Digital Literacy

 Change image[Overview](#)[Course Content](#)[Raw Material](#)[Notebook](#)[Gallery](#)

### ABOUT

Digital Literacy - English & Hindi Version

5 Modules

56 weeks

110 students enrolled

[NOTIFICATIONS](#)[GROUP ANALYTICS](#)

orange-carbon-sp5 has **modified** black car.gif

blue-sodium-sp5 has **modified** Dew Race.png

blue-chlorine-sp5 has **modified** thought

blue-chlorine-sp5 has **modified** new

# Analytics

ABOUT

Digital Literacy - English &amp; Hindi Version

5 Modules

56 weeks

110 students enrolled

NOTIFICATIONS

GROUP ANALYTICS

Points table for students



Gallery uploads



Note Making



Quiz Performance



Interactions


\* Click on the student's name to view detailed analytics.

Show 10 entries

Search:

Name	Total Points	Files	Notes	Quiz	Interactions
administrator	8215	8050	150	NA	15
brown-rabbit-sp1	850	275	210	NA	365
brown-sheep-sp1	705	450	60	NA	195
red-copper-sp1	705	350	120	10	225
blue-zinc-sp1	665	350	150	NA	165
brown-python-sp1	540	300	90	NA	150

# Digital Literacy


 Change image



 Overview

 Course Content

 Raw Material

 Notebook

 Gallery

▼ Let us learn together

▼ Let us Begin!

About the Course

▼ Module 1: Introduction and Indic Typing

▶ Activity 1.1:

▶ Activity 1.2:

▶ Activity 1.3:

▶ Activity 1.4:

▶ Module 2: Analysing with Spreadsheets

▶ Module 3: Drawing with Inkscape

▶ Module 4: Fun with GeoGebra

Get Status

Add Filter

# Resources for Making and Remixing

Upload File



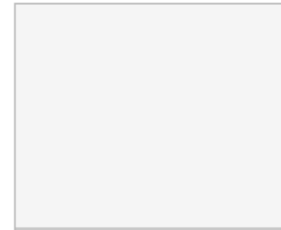
story3.png



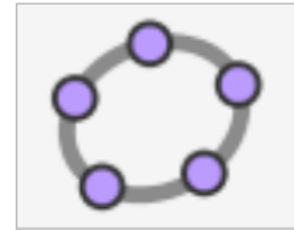
story2.png




story1.png



t20-final-Data-sheet.ods




dot-drawing-template.ggb.zip



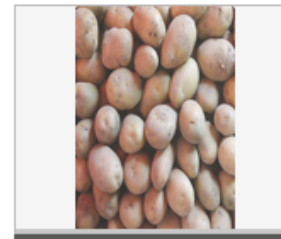
10160511185\_7da51ef175\_




4993730652\_5e71f9348e\_o



13136160244\_456cdf29b9\_



16525246545\_1a6127ed2e\_



15960590264\_c904d2d7d5\_





# Collaborative Story creation

▼ Add Filter

## Notes



All Notes (238)

My Notes (5)

### Feedback

administrator • 10 Jun 2016 04:46 PM

### Life gives one chance

administrator • 09 Jun 2016 11:08 AM

### Dreams unllimited

administrator • 09 Jun 2016 11:07 AM

### how much land does a person need?

administrator • 09 Jun 2016 11:05 AM

### story of a girl

administrator • 08 Jun 2016 09:40 AM

## Life gives one chance

Edit

No tags defined yet!

administrator • 09 Jun 2016 11:08 AM • ★★★★★ Avg. : 5.0 by 1 • Show no. of views

Once upton a time there was a boy.

Comment (38)

yellow-helium-sp1

June 9, 2016, 11:31 a.m.

एक बार एक लडका था 1 वह बहुत इमानदार था वह अपने जीवनकी कीमत के बारे मे बहुत अच्छी तरह जानता था 1 जीवन मे मोका बार बार नही मीलता हे।

Reply

Edit | Delete

green-nitrogen-sp1

June 9, 2016, 11:26 a.m.

Everyone use to explain him not to do so,but he does not listen anyone.

Reply

Edit | Delete

red-iron-sp1

June 9, 2016, 11:25 a.m.

उसे फुटबाल खेलने का शौक था

Reply

Edit | Delete

# In Hindi

[Add Filter](#)

## Notes

[All Notes \(238\)](#)[My Notes \(5\)](#)

thought

blue-ch... • 01 Sep 2016 04:08 PM

new

blue-ch... • 01 Sep 2016 04:07 PM

learning

blue-ch... • 01 Sep 2016 04:06 PM

learning is life

blue-ch... • 01 Sep 2016 03:50 PM

GEO GEBRA

blue-ch... • 01 Sep 2016 03:46 PM

pola

blue-ch... • 01 Sep 2016 01:14 PM

today,s experience

blue-ch... • 01 Sep 2016 12:25 PM

picture story01

blue-ch... • 01 Sep 2016 10:58 AM

blue heaven

blue-ch... • 31 Aug 2016 04:01 PM

ICT USAGE

blue-ch... • 31 Aug 2016 02:34 PM

CHADING IS GAINING

## कहानी - १

[Edit](#)

No tags defined yet!

[gray-deer-sp1](#) • 16 Jun 2016 03:21 PM • ☆☆☆☆☆ Not rated yet! • [Show no. of views](#)

आधी रात मे अचानक बारिश की बूंदो के मेरे मुँह पर टपकने से मैं उठ गया।

[Comment \(27\)](#)

[brown-piegon-sp1](#)

June 16, 2016, 4:20 p.m.

फिर मैं सुबह उठकर स्कूल गया

[Reply](#)[Edit](#) | [Delete](#)

[brown-rabbit-sp1](#)

June 16, 2016, 4:09 p.m.

बारिश के सुहाने मौसम में रिमझिम बूंदों का बरसना, वो बिजली का चमकना और बादलों की गडगडाहट, ऐसा लगता है जैसे

.....

[Reply](#)[Edit](#) | [Delete](#)

[brown-python-sp1](#)

June 16, 2016, 4:01 p.m.

पहली बरसात के कारण सभी ने स्नान करने का निश्चय किया।

[Reply](#)[Edit](#) | [Delete](#)

[brown-rose-sp1](#)

June 16, 2016, 3:55 p.m.

# Gallery of Student's work

▼ Add Filter

User: blue-chlorine-sp5

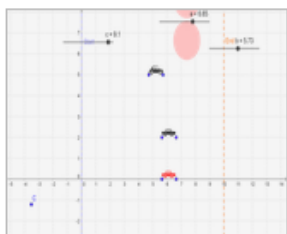
User: blue-copper-sp5

User: blue-helium-sp5

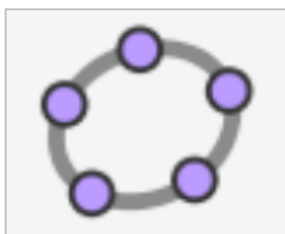
User: blue-iron-sp5

User: blue-sodium-sp5

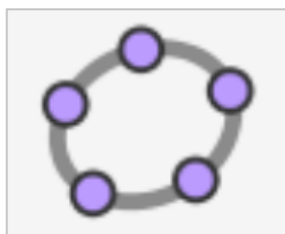
Upload File



Dew Race.png



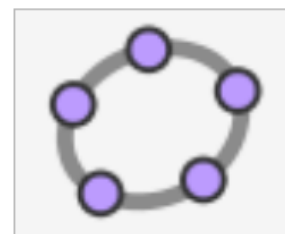
pL.ggb



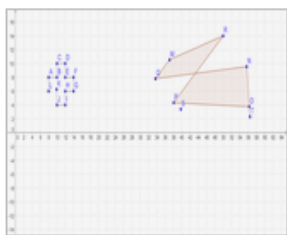
ddot.ggb



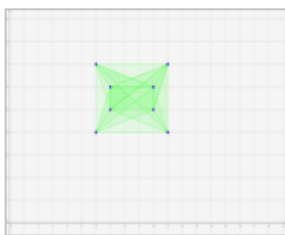
GRAPH2.png



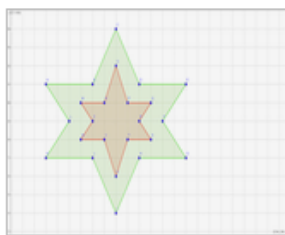
pd.ggb



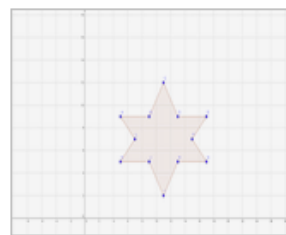
GRAPH.png



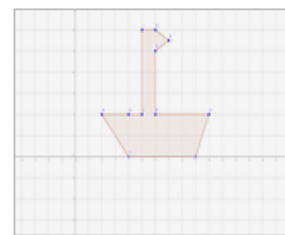
dew dot6.png



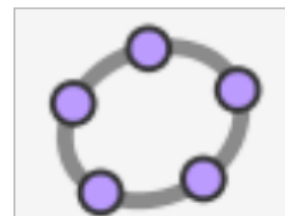
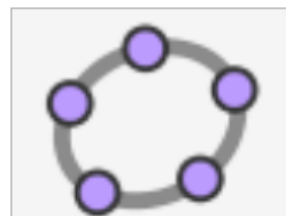
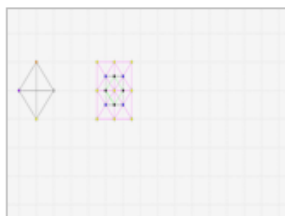
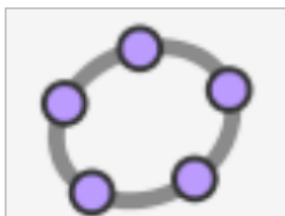
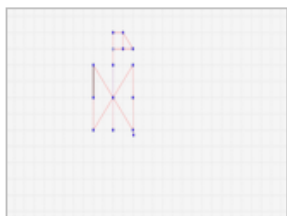
dew dot5.png



dew dot4.png



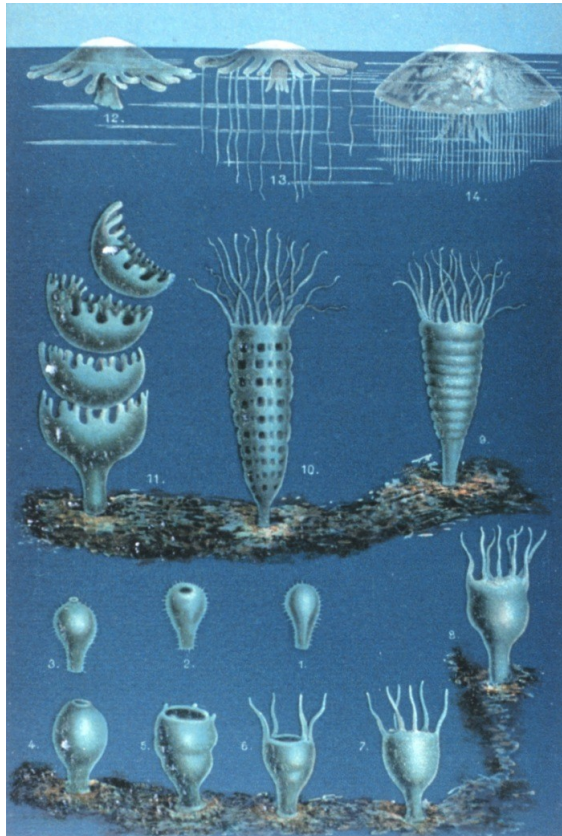
dew dot3.png



# Road Map

- Continued development of OER in a Box
- Activities for Teachers for Continued Professional Development
- Support for DLKit (InterOperability Standard developed by MIT based on OSID)
- Migration to Graph Database Neo4j
- Online Analytics on Resources, Activities and Participants Interactions
- Delivery of Online Courses
- Collaboratively develop various curricular resources including textbooks, programs, courses, etc.
- School management (MIS)
- Syncing between servers

# Goal to reach!



- Medusa (off line)
- Polyp to Medusa
- Planula to Polyp (when connected to backbone)

## Website

- <http://nroer.gov.in>

## Email

- [nroer.ciet@gmail.com](mailto:nroer.ciet@gmail.com)
- [jdciet@gmail.com](mailto:jdciet@gmail.com)
- [nagarjun@gnowledge.org](mailto:nagarjun@gnowledge.org)
- [Presentation released under CC By SA 4.0 unported](#)