



विद्यया ऽ मृतमश्नुते



एन सी ई आर टी
NCERT

Digital Initiatives in Education

**Central Institute of Educational Technology
National Council of Educational Research & Training
Sri Aurobindo Marg New Delhi - 110016**

- ☀ Undertake, promote & coordinate research in areas related to school education;
- ☀ Prepare & publish model textbooks, supplementary books, periodicals, educational kits, digital materials, etc.
- ☀ Organize innovative pre-service and in-service training of teachers;
- ☀ Develop and disseminate innovative educational techniques and practices;
- ☀ Collaborate and network with state educational departments, universities, NGOs and other educational institutions;
- ☀ Act as a clearing house for ideas and information in matters related to school education; and
- ☀ Act as a nodal agency for achieving the goals of quality Education.

- ☀ Development and dissemination of NCFs, Syllabus, Textbooks, eContents etc.
- ☀ Development of Learning Outcomes (LOs) for all levels of schools education.
- ☀ Conducting National Achievement Surveys
- ☀ Alternative Academic Calendar (AAC) at all levels in COVID-19 situation
- ☀ Continuous Professional Development (CPD) of Teachers through NISHTHA
- ☀ Design and Implementation of Innovative Vocational Education Models
- ☀ Use and Integration of Technology for bridging the digital divide
- ☀ Extension Activities - Exhibitions, Mela, Kala Utsav, Yoga Olympiad, Role Play, Folk Dance, Seminar/webinars, Telecast/Broadcast/Podcast, Quizzes etc.
- ☀ Awards and Competitions for Students and Teachers - NTSE, Innovative Teachers Award, National ICT Award etc.

Digital Initiatives of MoE, GoI



ePathshala



NROER



DIKSHA



NISHTHA



SWAYAM



ICT Curriculum



PMeVIDYA



राष्ट्रीय शैक्षिक अनुसंधान और प्रशिक्षण परिषद्

National Council of Educational Research and Training

eपाठशाला
learning on the go

ePathshala

Programmes

Organisation

MHRD Government of India
Ministry of Human Resource Development



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learning on the go

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ePathshala

14 Crore visitors on Portal

3 Million users on UMANG App
of MeitY

App Rating

- 4.2 on Google play store
- 3.0 on Apple Store
- 4.3 on Windows Store

App downloads/Users

- Around 46 Lakh on Google
- Around 72 thousand on Apple
- Around 1.6 Lakh on Windows

Total Books as ePub: 696

Total no of Flipbook: 511



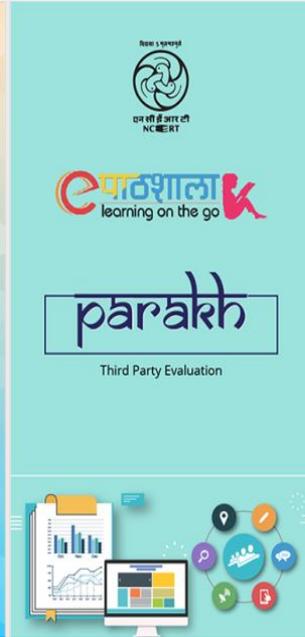
Branding of ePathshala



PINDICS



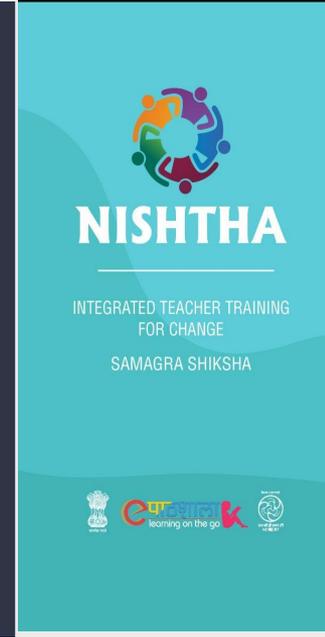
NAS



PARAKH



ePathshala
Scanner

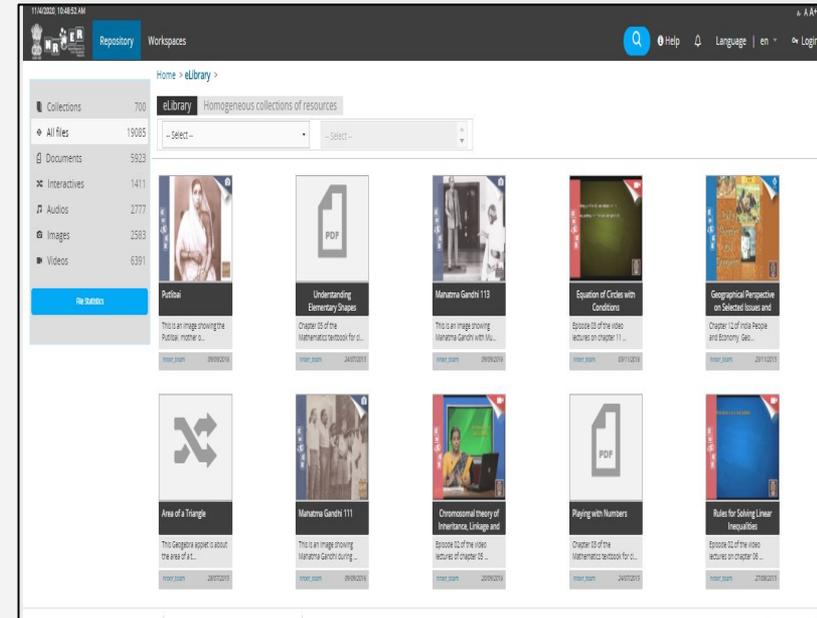


NISHTHA



Augmented
Reality

- ☀ Enhance free accessibility to e-Content, e-Courses, eEvents etc.
- ☀ Contains open educational resources that facilitate teaching, learning, assessment, research etc.
- ☀ e-Content in multiple Indian languages
- ☀ Collaborative contribution by National & International Partners
- ☀ Personal workspace for individuals



<https://nroer.gov.in/welcome>

19,277 e-Contents, 2.1 lakhs visitors per day and 9k unique users



- Home
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DIKSHA

DIGITAL INFRASTRUCTURE FOR SCHOOL EDUCATION

An initiative of the National Council of Educational Research and Training (Ministry of Education, Govt of India)

EXPLORE DIKSHA

Explore DIKSHA's world of open digital content

NCERT Explore

Explore content published by NCERT (National Council of Educational Research and Training)



MINISTRY OF EDUCATION
PARIKSHA PE HARCHA 2021
 Participate & Get an Opportunity to Interact with Hon'ble Prime Minister Shri Narendra Modi

- Usage Metrics
- Contribution Metrics
- Course Metrics

Usage metrics

View the usage pattern across the nation and all the states

Download Report
 Last updated: 29-March-2021

DIKSHA

TEACHER COURSES
 Contextualized digital courses for supporting teachers in their professional development

QUIZZES
 An interactive test of knowledge, as a time bound competition between students.

LESSON PLAN
 Lesson plan is a structured outline of a given topic/unit/chapter to be taught in any given day. Lesson plan aids to streamline teaching and create an engaging learning experience.

IMAGES
 Pictures, drawings or photographs to explain concepts and non-local contexts.

ACTIVITIES
 Engaging games or exercises to test and increase cognition.

VIDEO & AUDIO CLIPS
 To help explain difficult concepts creatively and innovatively.

ASSESSMENT
 An evaluation to gauge the level of understanding of any given topic/ chapter/unit. Assessments help teachers to evaluate the overall learning experience.

INTERACTIVE GAMES
 Engaging games or exercises to test and increase cognition.

WORKSHEETS
 A set of questions or tasks put together to assess the understanding of any particular topic/unit/chapter.

4500+ Energized Textbooks
2,00,000+ e-Contents
3600+ eCourses
One online CPD building Course per month (4 Courses till July)
5+ Crores visitors per day

<https://diksha.gov.in/>

PM e-VIDYA focuses on unification of efforts, enabling multi-mode access to education

PM e-Vidya focuses on developing multi channel learning continuum

Television

Radio

DIKSHA

Special e-Content

Online Courses

One Class, One TV Channel
NCERT is running Classes 1 to 12 (12 channels)
5000+ programmes

Radio Broadcast / Podcast
NCERT is using Radio, Community Radio and Podcasts (266 radio stations)
2000+ programmes

One Nation, One Platform
States/UTs, NCERT, CBSE, NIOS on board: e-content & QR coded Energized Textbooks for all grades (4500 ETBs)

E-content for specially DIVYANG (CWSN)
570+ ISL Videos developed by NCERT

Top 100 Universities to start online courses

DIKSHA portal & app and Television and Radio are integrated for coherent access (or coherence)

NCERT has leveraged DIKSHA to enable Coherent Access

The diagram illustrates a multi-device access strategy for NCERT content. On the left, a television displays a video session by Sher Singh, PGT, Physics, with a QR code and a text box: "Scan this QR code using DIKSHA app to view this video and other relevant content". Below the TV, two cartoon characters are shown. The first character asks, "I have missed the first half of this session, what should I do?". The second character responds, "Don't worry! Just scan the QR code on screen using DIKSHA app on your phone". In the center, a smartphone displays the DIKSHA app interface for "Physics Part 1" (Physics - Class 11). The app menu includes: e-Textbooks, Explanation Resources, - TV session (highlighted with a red box), Practice Resources, Learning Resources, and Teacher Focused Resources. To the right, a desktop PC is shown with a monitor displaying the same video session. The PC monitor displays the ID "0962CH08". The PC interface shows a navigation menu with options like "1-Physical World", "2-Units and measurements", "3-Motion in straight line", "4-Motion in a plane", "5-Laws of motion", "6-Work, Energy and Power", "7-System of particles and Rotational Motion", and "8-Gravitation".

DIKSHA portal & app and Television and Radio are integrated for coherent access (or coherence)

NISHTHA Online - Implementation Status

18 Modules in **11** Languages

Hindi, English, Urdu, Assamese, Bangla, Bodo
Telugu, Kannada, Odia, Gujarati & Punjabi

30 States / UTs

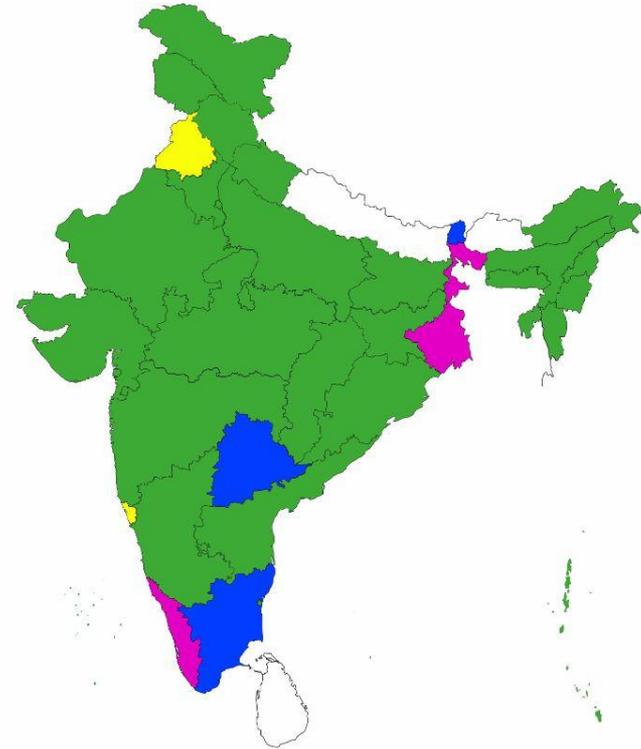
8 Autonomous Organisations
under MoE, MoD & MoTA

Approx. **24** Lakh Teachers

5.2 Crore Course Enrollments

4.6 Crore Course Completions

- Completed NISHTHA online (28 States/UTs)
- NISHTHA online in progress (Goa & Punjab)
- Completed NISHTHA training (Lakshadweep , Sikkim , Tamil Nadu , Telangana)
- NISHTHA not Initiated (Kerela & West Bengal)



Update as on 27 June 2021

NISHTHA 2.0 Secondary launched on 29 July, 2021 - 29 states, 7 ABs covered
nishtha.ncert.gov.in



<https://swayam.gov.in/>



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An MHRD initiative



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- DIPLOMA v
- UNDERGRADUATE v
- POST GRADUATE v

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PROGRAM

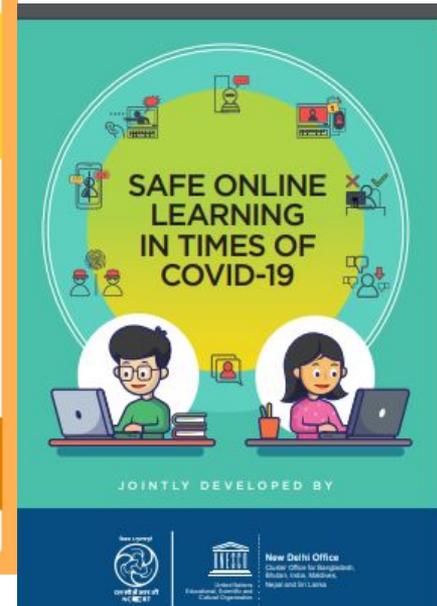
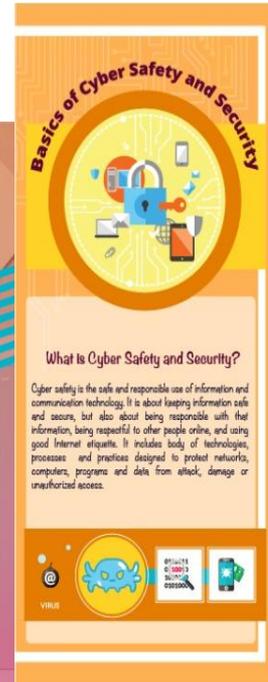
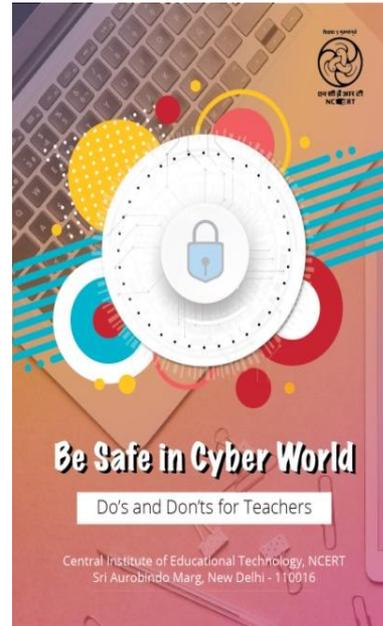
> SCHOOL (19)

> CERTIFICATE (7)

> DIPLOMA (2)

30 Online Courses of NCERT with 84,078 registration during Cycle 7 (April-September, 2021)

Guidelines and Brochures for Orientation of various stakeholders on cyber safety and security





PRAGYATA

Guidelines for Digital Education



Department of School Education & Literacy
Ministry of Human Resource Development
Government of India

COVID-19 Initiatives

- Steps for Digital and Online Education
- Cyber Safety and Privacy Measures
- Guidelines for School Heads, Teachers, Parents and Students
- Physical, Mental Health and Well-being
- Balanced Online/ Offline Activities
- Screen Time
- Ergonomics

COVID-19 Initiatives

Live Transmission daily on Alternative Academic Calendar

Transmission through 12 PM e-VIDYA DTH TV channels under the bouquet of SWAYAM PRABHA

Webinar on ICT in Education – 400+ live sessions organised

Talk to NCERT App (Voice Assistant) Classes 1-5 textbooks

Manodarpan Counselling & PMeVIDYA Helpline – IVRS

SAHYOG DTH TV Support for counseling services - 375 sessions

Live interactive sessions on Teaching Learning Interventions for Inclusive Classrooms - 102 live sessions organised

Online Events: Quizzes on DIKSHA & MyGov.



Constitution Quiz



Yoga Quiz



Discover Gandhi Quiz



Essay competition for School students



Aryabhata Ganit Challenge 2020



Quiz on NEP



Communication material on NEP for teachers



Photography competition



Azadi Ka Amrut Mahotsav

Thanks for your kind attention