Digital Initiatives in Education

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

National Council of Educational Research & Training

- ☀ 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.

Catering to the needs of 15 lakh schools, 85 lakh teachers & 26 crore students

National Council of Educational Research & Training

Major Tasks

- 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 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.

Conduct multifarious activities through - NIE, RIEs, PSSCIVE, CIET & RPDCs

Digital Initiatives of MoE, GoI

ePathshala

NROER

DIKSHA

NISHTHA

SWAYAM

ICT Curriculum

PMeVIDYA

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

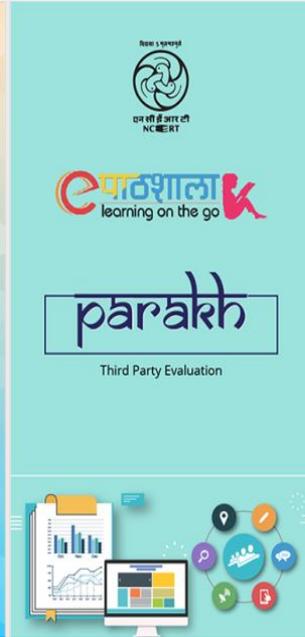**# Total Books as ePub: 696**
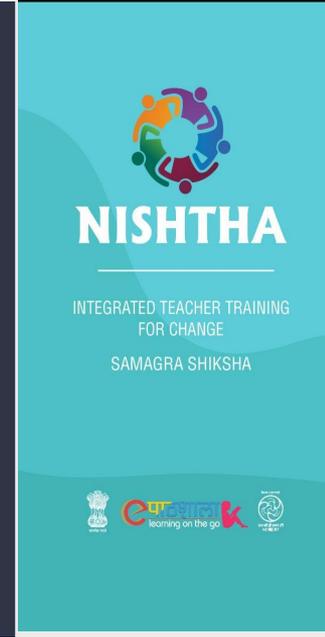**# Total no of Flipbook: 511**

Branding of ePathshala

PINDICS

NAS

PARAKH

ePathshala Scanner

**NISHTHA**

Augmented Reality

National Repository of Open Educational Resources

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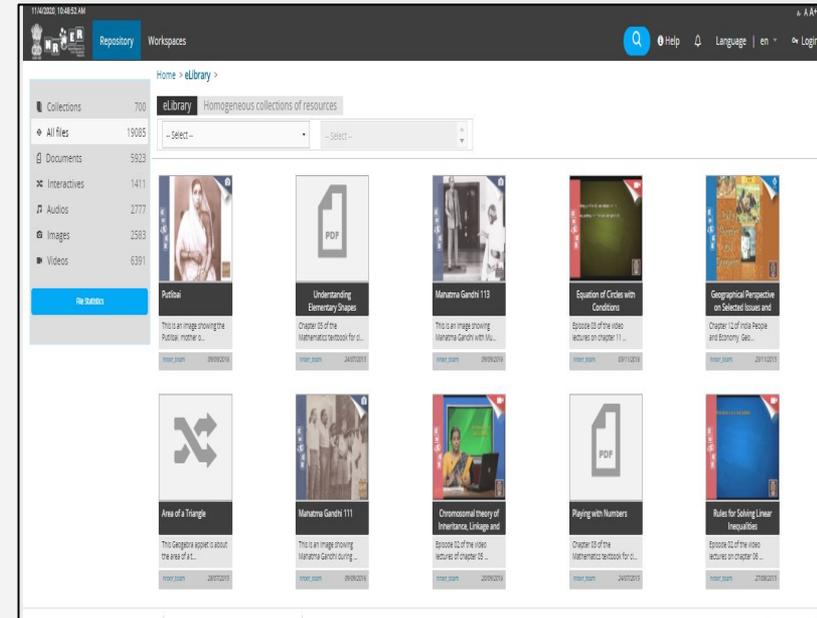
19,277 e-Contents, 2.1 lakhs visitors per day and 9k unique users

DIKSHA

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 content published by NCERT (National...)

Usage metrics
View the usage pattern across the nation and all the states

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/

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.

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

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

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

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

PM e-VIDYA

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

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
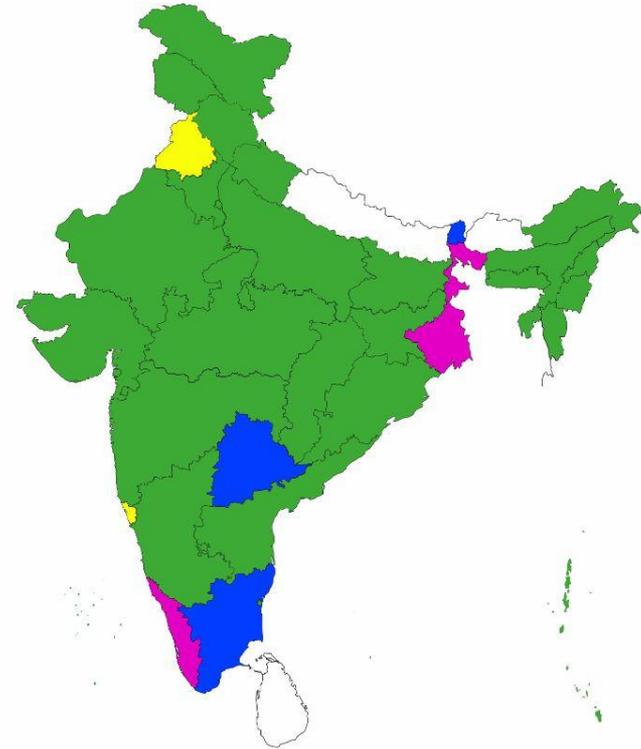
30 States / UTs
8 Autonomous Organisations
under MoE, MoD & MoTA

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

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
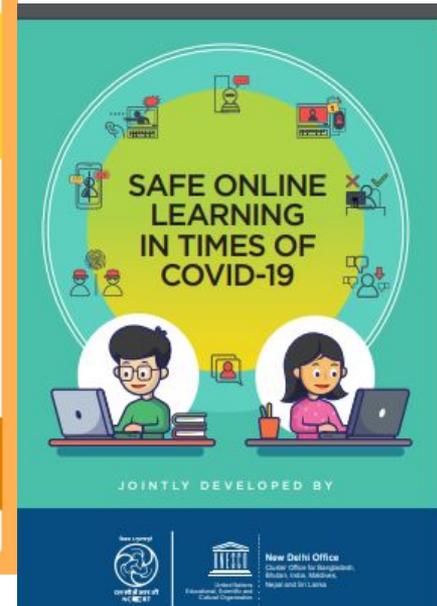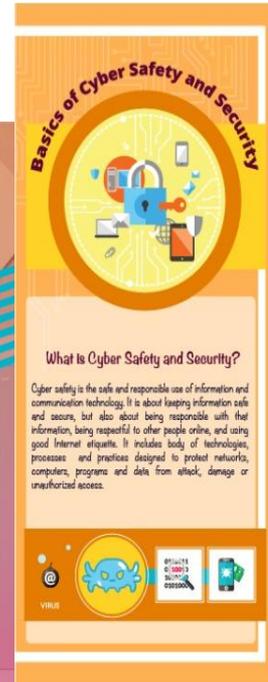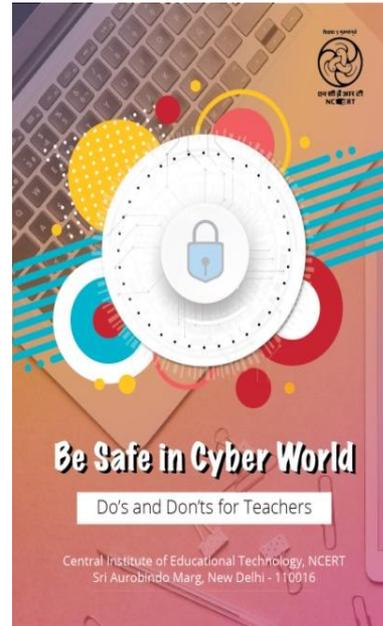
PRAGYATA
Guidelines for Digital Education

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

- 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

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**

👉 **Aryabhatta Ganit Challenge 2020**

👉 **Quiz on NEP**

👉 **Communication material on NEP for teachers**

👉 **Photography competition**

👉 **Azadi Ka Amrut Mahotsav**

Thanks for your kind attention