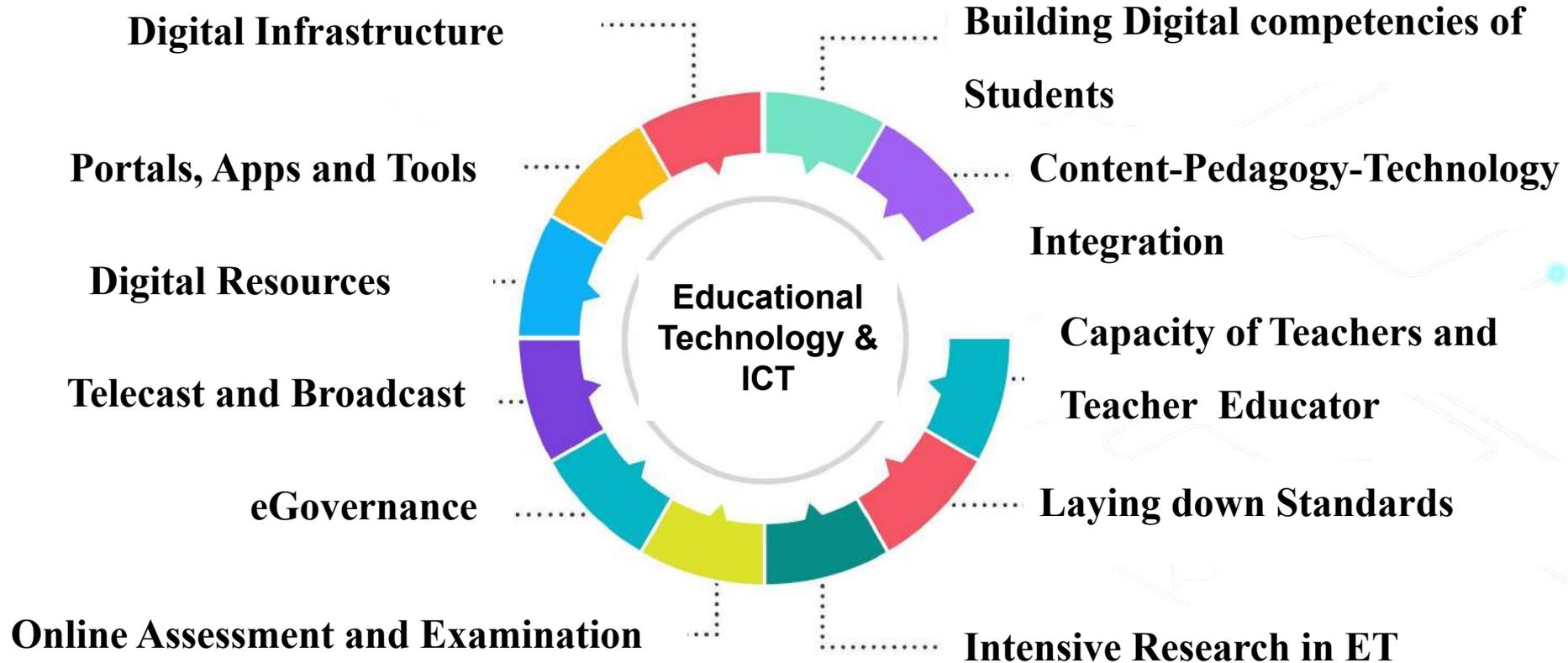




DIKSHA: Policy Perspective and Scope in Education

Central Institute of Educational Technology(CIET)
National Council of Educational Research and Training (NCERT)

NEP-2020: Recommendations for Online and Digital Education



Implementation of Budget Announcement

High-quality e-content in all spoken languages will be developed for delivery via internet, mobile phones, TV and radio through Digital Teachers.

In vocational courses, to promote crucial critical thinking skills, to give space for creativity, 750 virtual labs in science and mathematics, and 75 skilling e-labs for simulated learning environment, will be set-up in 2022-23.

Cont...

Implementation of Budget Announcement

Recognise the need to impart supplementary teaching and to build a resilient mechanism for education delivery. For this purpose, 'one class one TV channel' programme of PM eVIDYA will be expanded from 12 to 200 TV channels. This will enable all states to provide supplementary education in regional languages for classes 1-12.

Cont...



Implementation of Budget Announcement

A competitive mechanism for development of quality e-content by the teachers will be set-up to empower and equip them with digital tools of teaching and facilitate better learning outcomes.



Major Digital Initiatives

1 PMeVIDYA



2 DIKSHA



3 ePathshala



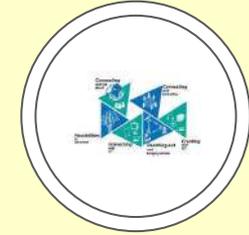
4 NISHTHA



5 SWAYAM



6 ICT Curriculum



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

One Class, One TV Channel

Classes 1 to 12
(12 channels)

Radio

Radio Broadcast / Podcast

Community Radio and Podcasts

DIKSHA

One Nation, One Platform

School Education in States/UTs:
e-content & QR coded Energized Textbooks for all grades

Special e-Content

E-content for specially DIVYANG (CWSN)

Online Courses

Top 100 Universities to start online courses

DIKSHA, Television and Radio are the focus of discussion for coherent access (or coherence)



***DIKSHA was launched in 2017 by then
Hon. Vice President of India,
Shri M. Venkaiah Naidu***

Overview of key DIKSHA programs

Ongoing programs provided resilience during COVID-19

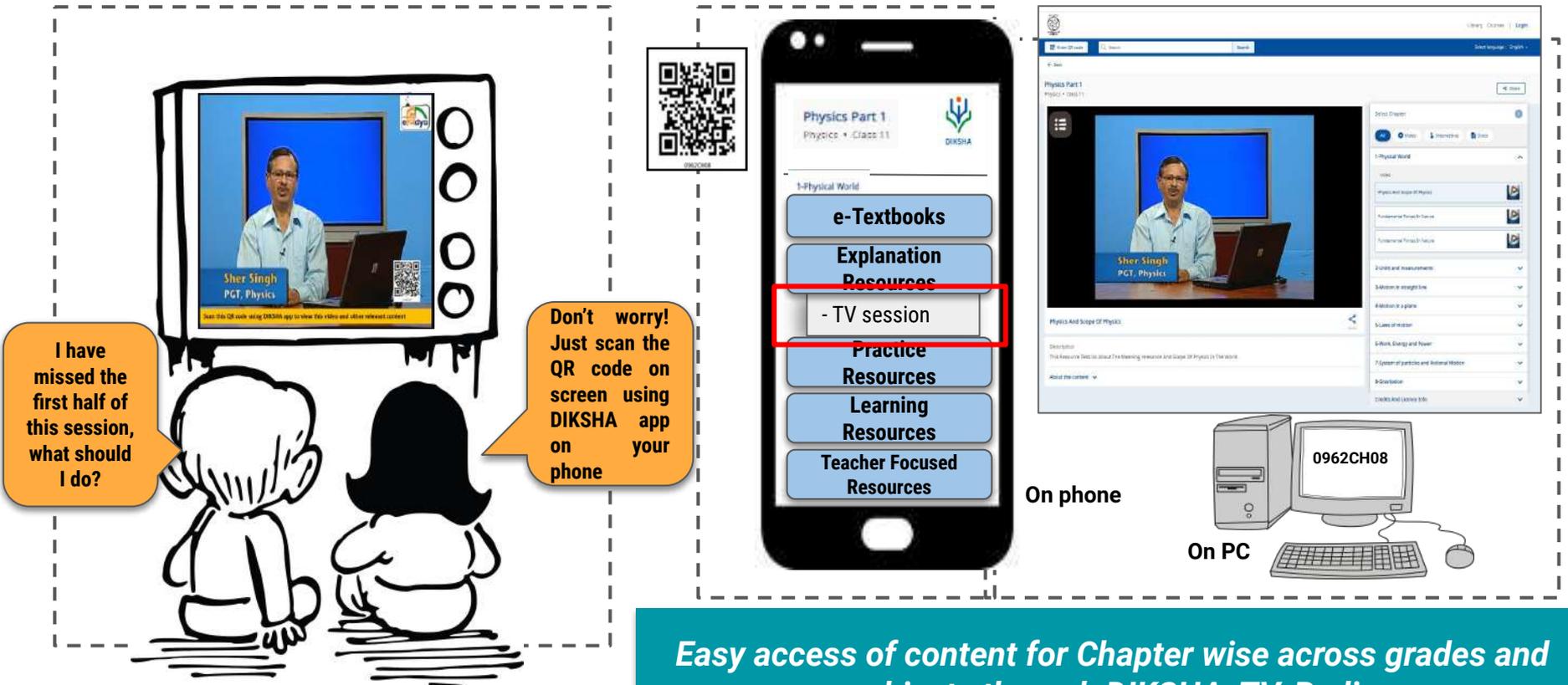


Priority areas as per NEP 2020 under implementation



Separate verticals on each area

NCERT has leveraged DIKSHA to enable Coherent Access



Easy access of content for Chapter wise across grades and subjects through DIKSHA, TV, Radio

Variety of Digital Contents

TEACHER & STUDENT COURSES



QUIZZES



IMAGES



LESSON PLAN



VIDEO & AUDIO CLIPS



ACTIVITIES



INTERACTIVE GAMES



ASSESSMENTS & EXAMINATIONS



WORKSHEETS



VIRTUAL LABS & SIMULATIONS



IMMERSIVE AR / VR / 3D



PARENT HANDBOOK



CONTENT FOR CHILDREN WITH SPECIAL NEEDS



Student
Teacher
Parent

ପ୍ରଥମ ଅଧ୍ୟାୟ
ରାସାୟନିକ ପ୍ରତିକ୍ରିୟା ଓ ରାସାୟନିକ ସମୀକରଣ
(CHEMICAL REACTIONS AND EQUATIONS)

ଅନୁଷ୍ଠାନ ନାମ
ପଢ଼ାଳୟ ନାମ
ପଢ଼ାଳୟ ଠିକଣା
ପଢ଼ାଳୟ ନଗର

e-Contents Based On UDL



स्पर्शी, DAISY और ध्वनि रूप से



Look at the pictures and match.

Hut

House of straw (ghoom)

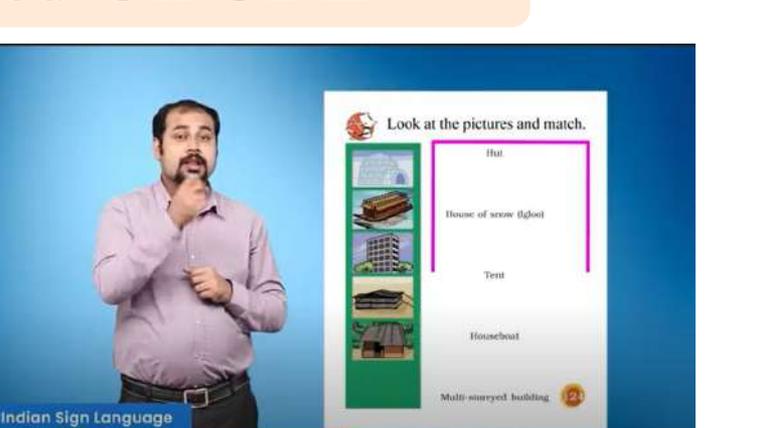
Tent

Houseboat

Multi-storied building

Indian Sign Language (IST)

2:04 / 3:51



देखो तो कैसे ये चूहे खेल रहे हैं पकड़म-पकड़ी।
कैसे मक्खर टहल रहे हैं
कैसे मस्त पड़ी है मकड़ी!

Indian Sign Language (IST)

2:00 / 3:51



स्पर्शी, DAISY और ध्वनि रूप से



Online Events on DIKSHA



Constitution Quiz



**Heroes of Indian
Freedom Struggle**



Yoga Quiz



**Discover Gandhi
Quiz**



**Essay competition
for School students**



Online Quiz on NEP



**Communication
material on NEP for
teachers**



**Online Photography
competition**



Bhasha Sangam Quiz

DIKSHA Infrastructure is based on NDEAR principles and covers 7 NDEAR building block categories enabling diverse programs/schemes

 1. <i>Open Standards & NDEAR portal</i>	 5. <i>Technology</i>	 9. <i>Learning</i>
2. <i>Federated Identities</i>	6. <i>Governance</i>	 10. <i>Reference Applications/Solutions</i>
3. <i>Reference Data</i>	7. <i>Administration</i>	 11. <i>Open Data & Analytics</i>
4. <i>Infrastructure</i>	 8. <i>Content</i>	 12. <i>Ecosystem Sandbox</i>

NDEAR - Vidya Samiksha Kendra

Aiding education policy decisions and seamless last mile delivery by leveraging the power of 'Data'

How will Vidya Samiksha Kendra help states/UTs/ABs?

Vidya Samiksha Kendra is a "Force Multiplier" that aims at amplifying the existing capabilities of people or systems, enabling transformative impact towards outcomes.



Software: A Free open-source based analytical software package being provided by CIET-NCERT to all states/UTs/ABs

Support Team: States/UTs/ABs can set up a VSK task force consisting Data scientists, Administrators and Academicians

Hardware: A bare minimum specs has been shared with all states/UTs and Autonomous Bodies

State/UT Starter pack

National VSK DIKSHA - ETB

- Micro improvements
- NIPUN Bharat
- NCERT Quiz
- NCF

Objectives of

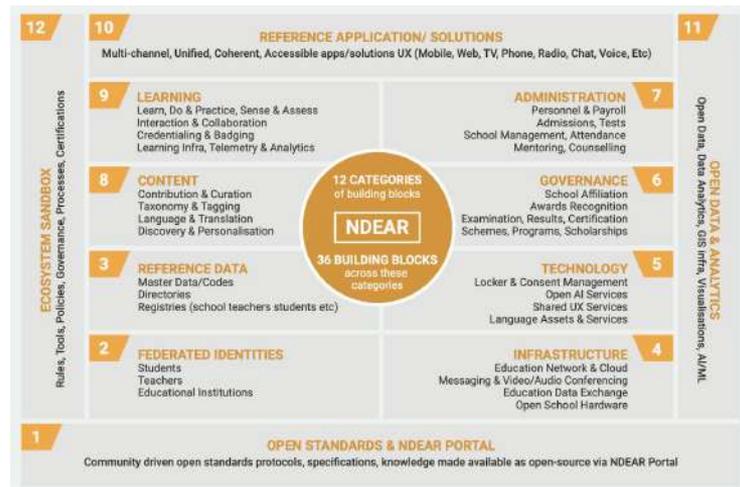
N-VSK: Real-time monitoring

Correlation

Actionability

11. NDEAR Open Data & Analytics building block

N-VSK has been built based on NDEAR Architecture: Category #11



10 Current Status of Program Integration on NVSK

1. NISHTHA

2. DIKSHA

3. Micro-Improvement

4. PM Poshan

5. NCERT Quiz

6. NAS (National
Achievement Survey)

7. UDISE+

8. PGI (Performance
Grading Index)

9. NIPUN Bharat*

10. NCF (National Curriculum Framework)

NDEAR-Vidya Samiksha Kendra

status as on 23 March 2023

Total States/UTs

12

Handed over-

Chhattisgarh, Odisha, Meghalaya, Haryana, Assam, Andaman & Nicobar, Arunachal Pradesh, Bihar, Mizoram, Uttar Pradesh, Jharkhand, Karnataka, Maharashtra

17

In-progress-

Ladakh, Andhra Pradesh, Rajasthan, Nagaland, Delhi, Jammu & Kashmir, Telangana, Dadra and Nagar Haveli & Daman and Diu, Sikkim, Manipur, Tripura, Puducherry, Punjab, Chandigarh, Uttarakhand, Himachal Pradesh

03

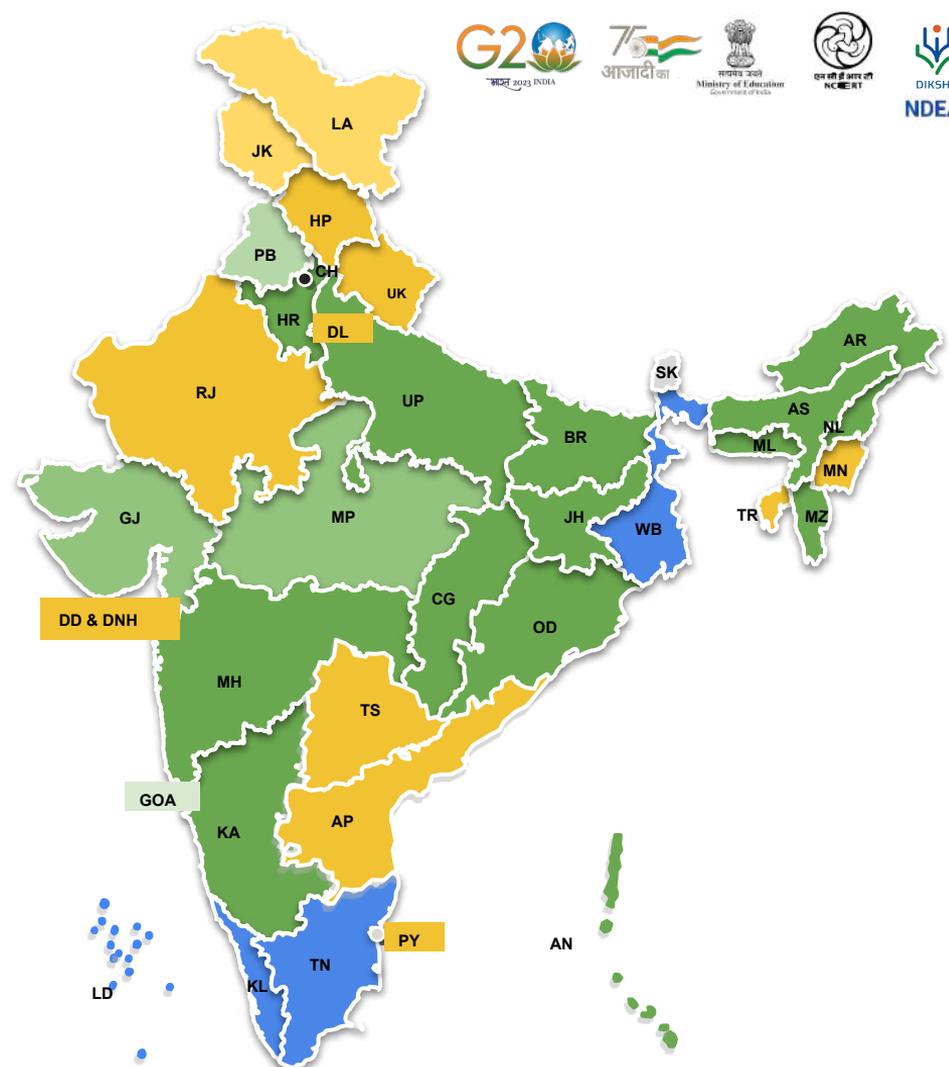
Self-

Gujarat, Madhya Pradesh, Goa

04

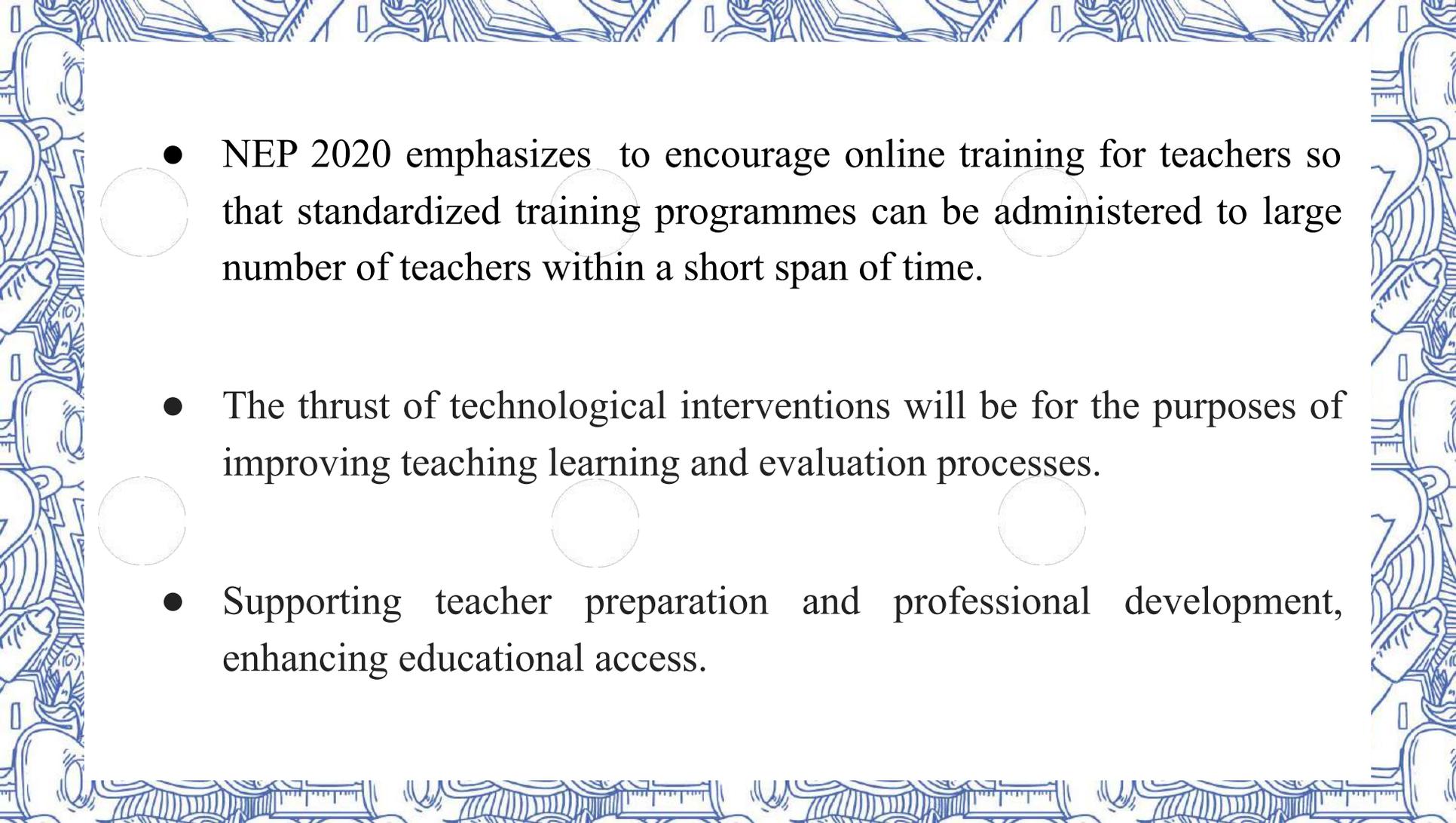
Not yet written to NCERT -

Tamil Nadu, Kerala, West Bengal, Lakshadweep



Scope in School & Teacher Education

Technology itself plays an important role in the improvement of educational processes and outcomes; thus, the relationship between technology and education at all levels is bi directional

- 
- NEP 2020 emphasizes to encourage online training for teachers so that standardized training programmes can be administered to large number of teachers within a short span of time.
 - The thrust of technological interventions will be for the purposes of improving teaching learning and evaluation processes.
 - Supporting teacher preparation and professional development, enhancing educational access.

- Streamlining educational planning and management including processes related to admissions, attendance, assessments, etc.
- Availability of a rich variety of educational software in all major Indian languages to ensure accessibility to a wide range of users including students in remote areas and Divyang students.
- Teaching-learning e-content will continue to be developed by all States in all regional languages, as well as by the NCERT, CIET, CBSE, NIOS, and other bodies/institutions, and will be uploaded onto the DIKSHA platform. This platform may also be utilized for Teacher 's Professional Development through e-content.

- CIET is given a to promote and expand DIKSHA as well as other education technology initiatives.
- Suitable equipment will be made available to teachers at schools so that teachers can suitably integrate e-contents into teaching-learning practices.
- Technology-based education platforms, such as DIKSHA/SWAYAM, will be better integrated across school and higher education, and will include ratings/reviews by users, so as to enable content developers create user friendly and qualitative content.

The UNESCO King Hamad Bin Isa Al-Khalifa Prize for the Use of Information and Communication Technologies in Education



Awarded to CIET-NCERT
for *“Initiatives for Inclusive
and Accessible Education”*
through PM-eVidya &
DIKSHA

THANK YOU!



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