



# Digital Initiatives in Education by School Education Department Government of Tripura



# Adoption of NCERT Curriculum

- School Education Department , Government of Tripura adopted NCERT curriculum & textbooks in the year 2018.
- 95% Government Schools of Tripura were Bengali Medium Schools .
- SCERT translated all the textbooks of NCERT in Bengali within 01 year .
- Printed and distributed all the textbooks to all the students before start of the academic session 2019.

# The paradigm shift and the requirement of academic reforms

- ❖ Digitization of textbooks.
- ❖ Training of teachers on Transactional Methodology of NCERT textbooks.
- ❖ Development of e-contents .
- ❖ Development of State Repository for the e-contents .
- ❖ Dissemination of e-contents through social media platforms.
- ❖ Digitization of various activities including online admission to different TEIs and scholarship examinations .

# Development of e-books

- ✓ Development e-books of all the textbooks of classes of 1 to 8 in collaboration with NCERT.
- ✓ The e-books were uploaded in the web portal of SCERT



# State Council of Educational Research and Training (SCERT) Government of Tripura



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## Open Educational Repository (OER) : A Portal of Tripura

### Ebooks

Instruction:- To view epub files on your Browser, you have to add epubreader addons. The download link for epubreader addon are as follows:-

Mozilla Firefox

Google Chrome

- Class 1

- Bengali

- Chapter 1
    - Chapter 2
    - Chapter 3
    - Chapter 4
    - Chapter 5
    - Chapter 6
    - Chapter 7
    - Chapter 8
    - Chapter 9
    - Chapter 10

**Web portal of SCERT, Tripura with e-book links**

# Energized textbooks under DISKSHA

- SCERT generated QR codes for all the chapters of textbooks of classes 6 to 10.
- SCERT already printed textbooks with QR codes and distributed the textbooks to the all the children.
- The energised textbooks were uploaded in the DISKHA App.

# Development of State Repository Of Open Educational Resources (SROER)

- Development of e-contents in collaboration with Doordarshan Kendra , Agartala.
- Development of e-contents by SCERT, Tripura .
- Development of portal of SCERT, Tripura in collaboration with NCERT, New Delhi.
- Review of contents and uploading of contents in the web portal of SCERT, Tripura.

# Launching of Nutan Disha and tracking of development of every child

- After adoption of NCERT curriculum for a new scheme namely 'Nutan Disha' was launched in the year 2018 in collaboration with Pratham Education Foundation.
- Baseline survey was conducted covering all the students reading in classes 3 to 8 to assess the basic learning level of students in Language & Math .
- Teachers were trained a new pedagogy .
- Organization of Mega Parent Teacher Meetings (70% parents attended) . Data collected through online mode.

# Launching of Nutan Disha and tracking of development of every child contd...

- Non-instructional & Instructional materials developed and provided to students & teachers.
- Remedial classes taken.
- Every student (not class appropriate) was mapped with mentor teachers.
- A web portal was initially developed to record / track the weekly development of every child.
- Later a mobile app namely 'Shiksha Darpan' was developed in collaboration with EmpowerU.

# **Covid -19 Pandemic and remedial measures to address the learning loss**

## **Assessment :**

- Due to Covid-19 schools were closed for a substantial time resulting huge learning loss to the students.
- The learning process of primary students was worst effected.
- To access the learning loss , School Education Department run a survey covering elementary stage.
- Apart from this, to know the accessibility of students to different digital equipments another survey was conducted.

# Covid -19 Pandemic and remedial measures

- In collaboration with Edindia foundation, trained 400 KRPs on use of various social media platforms .
- The trained KRPs then trained 17500 teachers .
- Teachers taking classes through different social media platforms covering the students having the accessibility to android mobile or PC/laptop/tablet with internet connectivity.
- A programme namely 'Ekto Khelo Ekto Pado' was launched for the Students having only GSM phones.
- Neighbourhood classes were conducted for the students not having access to any digital equipment.



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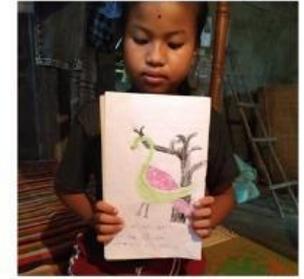
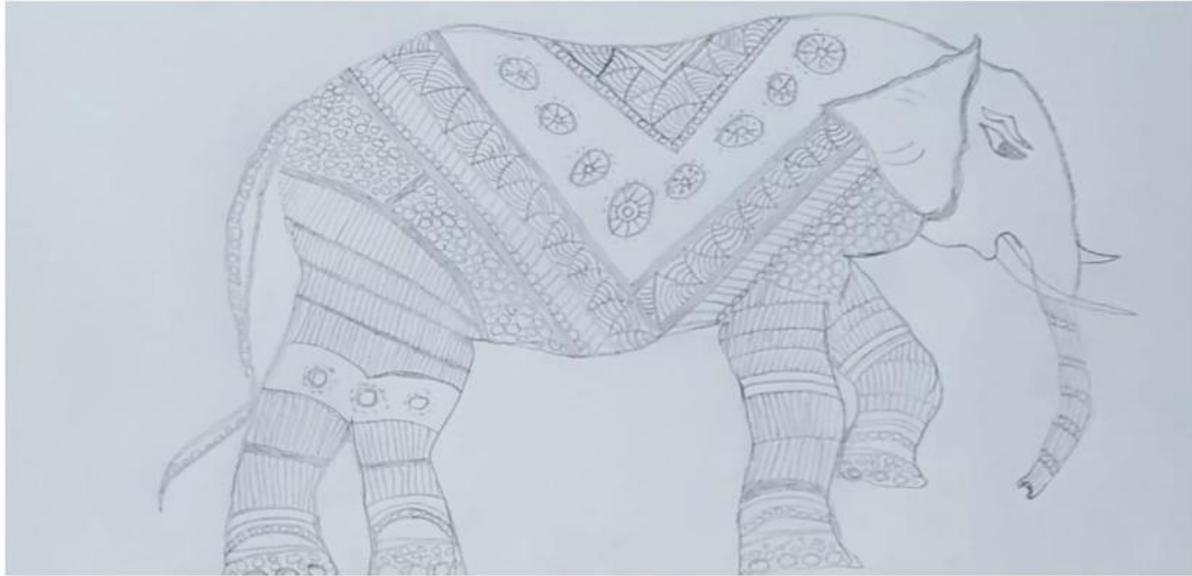
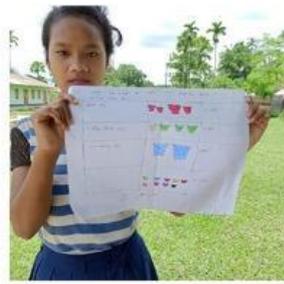
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# Few Photographs of Neighbourhood classes



**Glimpses of 'Ekto Pado Ekto Khelo' programme**

# Launching Vande Tripura – dedicated Educational Cable TV Channel

- To address the learning gap of the children, School Education Department launched a dedicated educational channel namely “Vande Tripura” in the Studio of SCERT (EDUSAT).
- Vande Tripura was inaugurated by the then Hon’ble Chief Minister of Tripura Sri Biplab Kumar Deb on 17th May,2021 .
- Since then regular classes are being broadcast for the students of classes I to XII .
- Few live classes / preparatory classes for different entrance or scholarship examination are also broadcast through this channel.
- Group discussion on various important topics of National Education Policy-2020, Science Exhibition different schemes etc. are also broadcast on regular basis.

# Launching of Vande Tripura Youtube Channel

- The maximize the reach of Vande Tripura TV channel, Youtube channel namely 'Vande Tripura Youtube channel' was launched.
- All the contents of Vande Tripura TV channel are rebroadcast through this Youtube channel.
- The students can go through the contents from anywhere to reduce their learning gap.

# Launching of educational News

Educational News pertaining to different

- *Teachers' training programmes,*
- *Scholarship examination,*
- *Term examination and*
- *Other educational information*

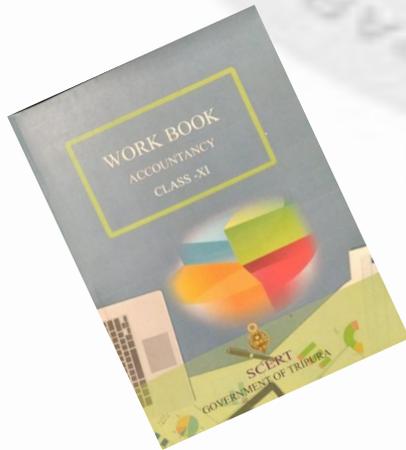
transmitted through Vande Tripura Channel which caters to the need of thousands of stakeholders aspiring for getting updated in the field of Education.



Glimpses of Activities of Vande Tripura TV Channel

# Development of Workbooks

- For addressing the learning loss of the students , SCERT developed workbooks for the students of classes 1 to 12 under 'PRAYAS' scheme of State Government .
- SCERT developed 85 workbooks in Bengali & English medium, printed and distributed the workbooks to all the children at 'FREE of Cost'.
- SCERT also digitized the workbooks and uploaded in the web portal of SCERT for easy access to students & teachers.



# Launching of Tripura Science & Mathematics Talent Search Examination

- To address the learning loss of the students and to motivate the students of class IX, SCERT launched new scholarship scheme namely Tripura Science & Mathematics Talent Search Examination .
- 400 selected students are awarded scholarship for a period of 15 months.
- The dedicated portal, i.e. <https://tripuratalentsearch.com> was developed exclusively for undertaking the whole process from online application to result publication.
- Coaching classes was taken by the selected teachers using Digital platform.

# Launching of Tripura Junior Talent Search Examination

- Similar initiatives has been taken by the SCERT for the students of class VI through Tripura Junior Talent Search Examination .
- 100 selected students are awarded scholarship for a period of 15 months.
- The dedicated portal, i.e. <https://tripuratalentsearch.com> was developed exclusively for undertaking the whole process from online application to result publication.

# Digital Education in DIETs

- SCERT trained the DIETs faculties in use of various digital platforms during covid-19 situation.
- Trained DIET faculties , regularly took classes of pre-services D.El.Ed courses.
- SCERT launched YouTube channel namely 'Unmesh' for uploading classes for the D.El.Ed students during Covid-19 Pandemic situation.

# Continuous Professional Development of Teachers & HMs

- SCERT, Tripura adopted NCERT Curricula and textbooks in 2018.
- SCERT, Tripura in collaboration with NCERT developed training modules on transactional methodology of NCERT textbooks through series of workshops.
- Trained all elementary teachers & HMs on the modules through trained KRPs.
- This methodology of training was later adopted by MoE, GoI/NCERT and renamed as 'NISHTHA' to train 42 lakh elementary teachers across the country.

# NISHTHA 1.0 through DIKSHA

- During covid-19 pandemic situation , in 2019-20, SCERT translated & developed e-contents in Bengali .
- SCERT launched NISHTHA 1.0 in online mode through DIKSHA portal in Bengali & English.
- 99% elementary teachers i.e. 18,500 elementary & HMs completed training of NISHTHA 1.0 through DIKSHA.

# Induction training of newly recruited elementary teachers

- During 2020-21, SCERT launched 03 month courses through DIKSHA to train 1300 nos. newly recruited elementary teachers through DIKSHA.
- 93% teachers completed the training courses through DIKSHA.

# Implementation of NEP-2020 and use of digital platform

- SCERT , Tripura is the 1<sup>st</sup> State in the country to translate the NEP-2020 document in Bengali medium during 2020 academic session.
- The translated document was shared with NCERT.
- For awareness of the stake holders , SCERT conducted several online workshops .

# Available ICT Infrastructure / facilities

- Computer lab setup in 365 Schools (133 elementary + 212 Secondary Schools) during 2020-21 under ICT @ School project.
- 400 laptops provided to Academic Leaders / KRPs and Inspector of Schools for monitoring & mentoring the academic activities.



## ICT infrastructure in Schools

# Ongoing Activities

- Framing of State Curriculum Framework through digital platform as per mandate of NEP-2020.
- Development of e-contents for Vande Tripura TV Channel, Energized textbooks and upcoming DTH channels .
- Strengthening the existing video production studio & setting up another studio.
- Setting up ICT lab in 239 schools (190 SE + 49 EE Schools ) going on.
- Setting up 812 smart classes in schools & 04 DIETs.

# Upcoming Projects

- Setting up of 02 DTH channels.
- Development of a comprehensive AI based mobile app of SCERT, Tripura in collaboration with NIT, Agartala .
- For development of mobile application to conduct training need analysis and training of teachers in blended mode.
- Development of mobile application to conduct a comprehensive survey to identify and track benchmark CWSN students in collaboration with NCERT.

# Upcoming Projects

- Setting up digital library in the State.
- Setting up ICT lab in 294 schools.
- Providing 15,000 tablet to the students.
- Providing 9,500 tablets to all the primary teachers.
- Upgradation & expansion interactive classroom facilities in another 75 schools under EDUSAT network in collaboration with ISRO.



**THANK YOU**