

SCERT Telangana

**Digital Initiatives in Education
of Telangana State**

School Education Dept, Telangana

SCERT

- State Academic Authority

SIET

- Technical Institution

Samagra Shiksha

- Scheme

Digital Initiatives by SCERT

- DIKSHA
- Digital Initiatives on Art, Culture, Co-curricular and Audio - e-Flip Books
- EDUSURE e- magazine
- Online Seminars/ Exhibitions/Competitions
- Capacity Building Programme for Teachers and Students
- Training on ICT and OERs
- Certificate Course in Digital Teaching Techniques
- Digital initiatives by State Leadership Academy

DIKSHA

- In Telangana, Energizing Text Books has been initiated in 2018-19 with 4 Titles.
- Till date 92 Text Books of Class 1 to Class 10 has been Energized. In each Text Book for each chapter 2 QR codes are inserted 1 at the start of the chapter and another QR code for assessment.
- We empowered our 108 high school non-language teachers (Mathematics, Physical Science, Biological Science & Social Studies) and 310 Primary School teachers by giving online training through webinars/zoom meetings.
- The training topics are: Installation of Softwares, Creative Commons, PPT & Animations, Video Editing – Kdenlive, Audio Editing – Audacity
- These trained teachers only developed all the e-content uploaded on DIKSHA is helpful in classroom transactions.

Unique Pattern followed in developing e-content

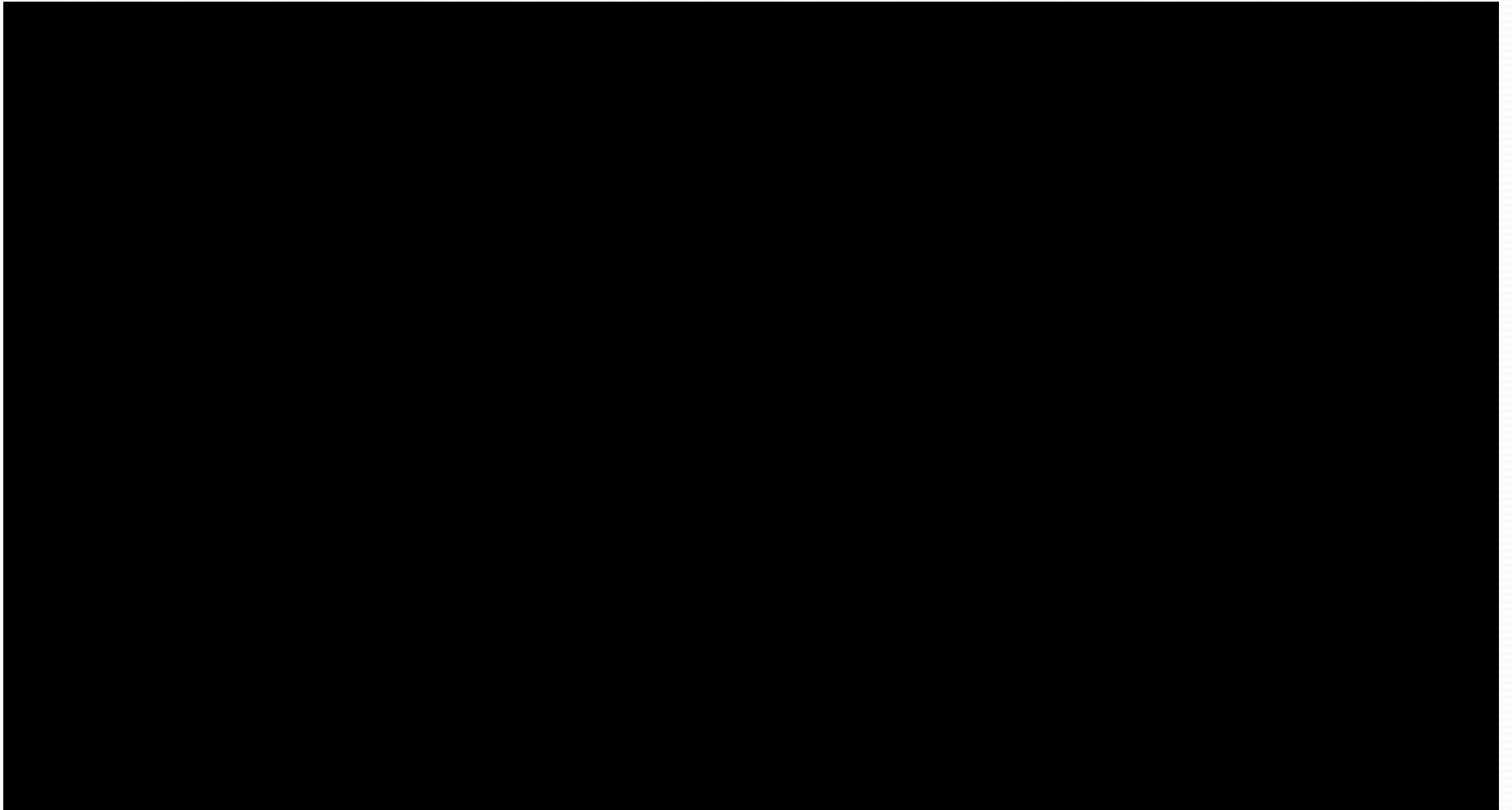
- Title slide
- Learning outcomes slide (should be with voice)
- Hook (Thought provoking questions by showing an image, video, experiment etc.,)
- Explanation about the topic, use daily life examples, mention mistakes and misconceptions if any
- Evaluation questions (should be with voice)
- Content Creator's details slide
- Attributions slide
- Officials and QR codes development team slide
- Let us watch a sample e-content:

https://drive.google.com/file/d/1_RPsGZEIfmq7jrWDmELHgUheqywbQxk8/view?usp=sharing

Digital initiative on co curricular activities

- SCERT in collaboration with the Government College of Physical Education, Hyderabad has developed 21 video lessons on Yoga for school children as a part of co-curricular subject for promoting health and wellbeing among the students.
- 25 music videos on Art & Cultural Education were developed in collaboration with SIET and transmitted through TSAT Nipuna and Vidya channels during lock down period.
- These Yoga and Music video lessons are uploaded on DIKSHA so that teachers and students can access them.

Video on Art & Cultural Education



Audio e-Flipbooks

- Developed Audio e-Flipbooks (Shathaka Parimalalu) in Telugu Language on 7 Sathakalu (Sumathi, Vemana, Bhaskara, etc.) for inculcating moral values among the students and to actively engage them in joyful learning. These are available on SCERT website.
- <https://scert.telangana.gov.in/VemanaSatakam/mobile/index.html>

EDUSURE e- magazine

- The State Council of Educational Research and Training and the Department of School Education collaboratively publishing the bi-monthly e-magazine EDUSURE.
- It was introduced in September, 2019.
- EDUSURE magazine covers the State Government's Flagship Programmes, state-level educational activities, competitions, programmes and success stories of teachers, students, and the school as a whole.
- The EDUSURE team aims to enlighten, appreciate, and inspire students, teachers, and school heads. Until now, 20 editions were published.
- <https://scert.telangana.gov.in/E-Magazine/Current/mobile/index.html>

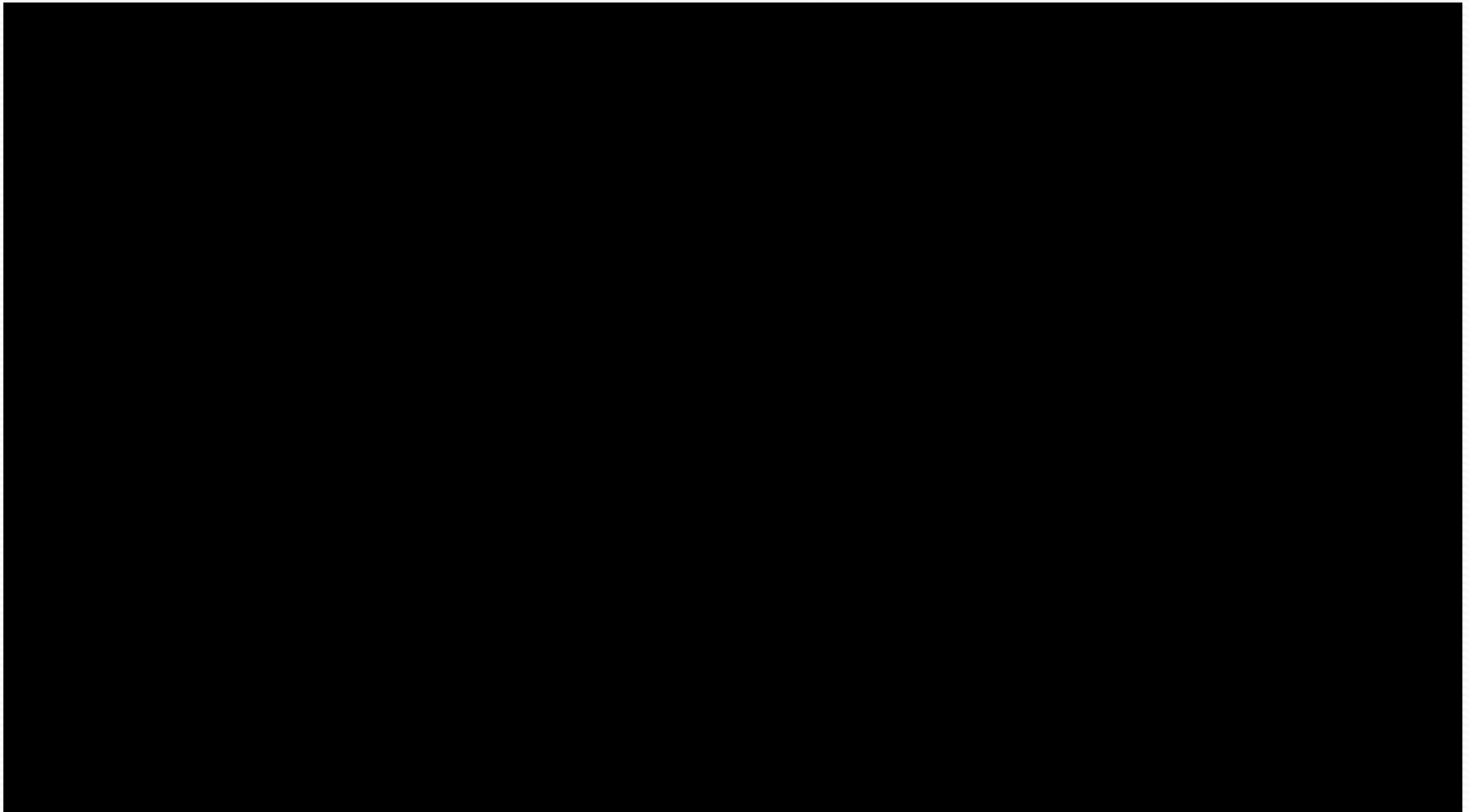
ONLINE SEMINARS/ EXHIBITIONS/COMPETITIONS

- ❑ Mathematics Seminar for Teachers on 22nd December, 2020 (virtual mode)
- ❑ Science Seminar for Teachers on 27th February, 2021 (virtual mode)
- ❑ INSPIRE Awards 2020-21 online nominations
- ❑ INSPIRE Awards - virtual exhibitions
- ❑ Rashtriya Avishkar Saptah 2020
- ❑ Jawaharlal Nehru National Science, Mathematics and Environment Exhibition for Children (JNNSMEE) for the year 2020-21 (Virtual mode)
- ❑ Poster Competition

Capacity Building Programme for Teachers

- ❑ **Objective:** In view of the COVID-19 pandemic, building capacities of teachers in the content of pedagogical and technological areas
- ❑ **No. of Webinars:** 45 from 1st May, 2020
- ❑ **Topics:** ICT Tools in Teaching, Learning and Assessment in different subjects, [Cyber Safety and Security](#), [Management of Mental Well Being During Covid-19 Pandemic](#) etc.
- ❑ **Participants:** Head Masters, Teachers and Officers
- ❑ **Platform:** Zoom and Official YouTube Channel
- ❑ **Awards:** Achieved Telugu Book of Records for highest number of live viewers for two webinars
- ❑ **e-Certificate:** Issued for some programmes
- ❑ **Availability:** Official YouTube channel of SCERT, Telangana

Video of Webinar



Training on ICT and OERs

- Conducted training for 165 SRGs of Languages and Non-languages on 'Blended learning using ICT, Experiential Learning, Assessments and Sources for related OERs' in collaboration with TISS
- Under CLIX project, organised online sessions on ICT in different spells for School Heads covering 13 districts of the State

Certificate Course in Digital Teaching Techniques

□ Objective

- To facilitate and enable rural teachers to adopt their teaching style to meet the demands of this new digital world and to integrate digital and online technologies into teaching
 - To help them choose ethically appropriate digital pedagogy to achieve excellence in teaching learning process.
- The training was conducted in collaboration with ICT Academy, Chennai supported by DXC
- It was conducted in three spells for 794 Government School Teachers under the Rural Teachers empowerment programme.
- It is an exclusive 40 hours training programme through online virtual instructor led programme (VILT)

State Leadership Academy

Digital Initiatives

Digital initiatives by State Leadership Academy

- It is an initiative of National Centre for School Leadership (NCSL), NIEPA, New Delhi
- It came into existence in December 2018 in Telangana state, as one of the academic units in the SCERT.
- It has conducted trainings to School Heads through webinars that were telecasted live on SCERT YouTube Channel also.
- Topics:
 - Attitude and Behavioural Change for School Leadership During COVID-19 Pandemic
 - Covid-19 a Pandemic and Role of School Leaders and Teachers, etc.

Digital initiatives by State Leadership Academy

- **Webinars at State Level** on ‘Covid-19 Responsive Behaviour’ to the Academic coordinators, Community mobilization coordinators, Field officials, School Heads, Teachers; SMC members, and parents
- Orientation programme as online course on **DIKSHA-Telangana Portal** on ‘Covid-19 Responsive Behaviour’
- **Two day orientation program** for the HMs on “Use of Technology for School Operations Management & Teaching and Learning Facilitation” **in collaboration with TISS.**
- **Official YouTube channel** was launched and videos of best school practices are being regularly uploaded. So far 5.58 K has subscribed.

Digital initiatives by State Leadership Academy

- Developed modules for online course on 'School Leadership and Development' in Telugu version.
- Undertaken the translation of Resource material in Telugu version of online basic course on School Leadership.

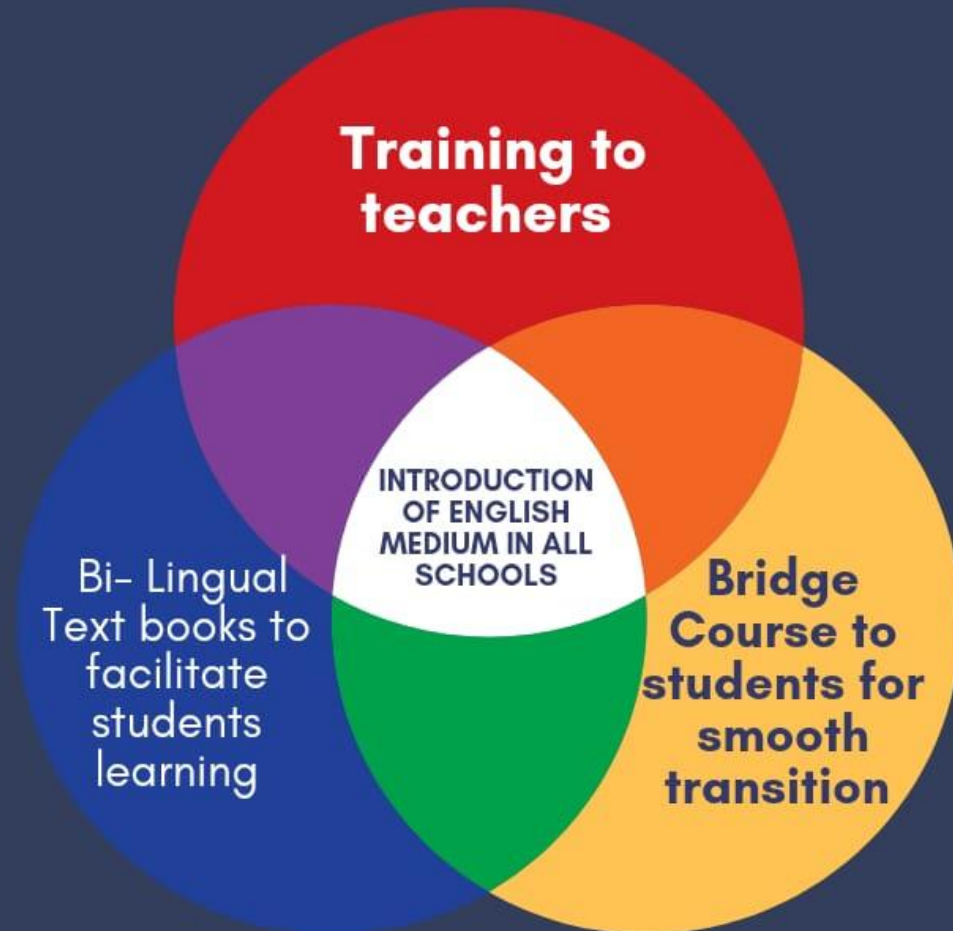
Mana Ooru – Mana Badi

An Initiative of Telangana Government

Mana Ooru - Mana Badi (Our Village – Our School)

- This programme aimed at
 - All round development and creation of effective infrastructure in schools across the State
 - Setting up digital classrooms, construction of additional classrooms and taking up repairs to schools
- Introduced English Medium from class I to VIII in all the schools of the State from this academic year.

**Three
Pronged
Approach to
facilitate
transition to
English
Medium in all
Govt Schools**



About the Training:

- The English Language Enrichment Course (ELEC) is conducted in collaboration with Azim Premji University.
- The initial 4 weeks course is conducted for all the 81590 Primary and Secondary (Non-Language) teachers in the state.
(Week 1 Face to Face and the remaining 3 weeks online).
- Mode : Blended 1 week offline 3 weeks ONLINE

Activity Flow of Programme

MENTOR TRAINING

Identification & Training of Mentors @1:15 ratio to deal with Face to face training

FACE TO FACE

05 Days; Creating opportunities for speaking; Breaking the inhibitions and barriers;

LOG-INS

Into the Learning Management System of Azim Premji UNiversity

WEBINARS

Three Webinars- on (03) themes; Facilitated by respective mentors

ACTIVITIES

(03) weeks of self learning activities on themes. Individual tasks

ENGLISH LANGUAGE ENRICHMENT COURSE

ELEC – Overview

Primary Level:

- Trained as Mentors: 1980
- Target Total: 52434.
- Reached Percentage : 99.12%

Secondary Level :

- Trained as mentors: 1683
- Target Total: 28690
- Reached Percentage : 99.4%

KGBV and URS Teachers (CRTs & SOs):

- No. of CRTs and SOs undergone the training - 1657

SIET

Digital Initiatives

State Institute of Educational Technology (SIET)

Digital Initiatives:

- **No. of Digital Lessons Developed**
 - **Secondary Level (Class 3 to 10):** 3038 including bridge courses
 - **Primary Level (Class 1 & 2) :** 400
- **Subjects:** All Subjects
- **Media:** Telugu, English and Urdu.
- **Transmitting Channels**
 - T-SAT Vidya Channel
 - T-SAT Nipuna Channel
 - DDK – Yadagiri Channel
- Digital Lessons transmitted through T-SAT Vidya and Nipuna Channels are being uploaded in T-SAT app for the benefit of school children to view at their convenient time.

T-SAT Vidya Channel – 6 hours duration (from Monday to Friday)

SLOT	SLOT-1	SLOT-2	SLOT-3	SLOT-4	SLOT-5	SLOT-6
Level	Primary	Secondary				
Timings	9.00 am – 10.00 am	10.00 a.m. to 11.00 a.m.	12.00 p.m. to 1.00 p.m.	2.00 pm - 3.00 pm	3.00 p.m. to 4.00 pm	4.00 p.m. to 5.00 p.m.
Class	3rd to 5th Classes	10th Class	7th Class	6th Class	8th Class	9th Class
Medium	Telugu and English					
Subjects	All Subjects					

T-SAT Nipuna Channel – 1 ½ hour duration (from Monday to Friday)

	SLOT-1	SLOT-2	SLOT-3
Timings	11.00 a.m. – 11.30 a.m.	11.30 a.m. – 12.00 Noon	12.00 Noon – 12.30 p.m.
Class	10th Class	3rd to 5th Classes	10th Class
Medium	Urdu		
Subjects	All Subjects		

DDK- Yadagiri – 2 ½ hours duration (from Monday to Friday)

SLOT	SLOT-1	SLOT-2
Level	Primary	Secondary
Timings	10.30 am – 11.30 am	11.30 a.m. to 1.00 p.m.
Class	3rd to 5th Classes	8th to 10th Classes
Medium	Telugu and English	
Subjects	Telugu, English, EVS and Maths	English, Maths, Phy. Sci. and Bio. Sci.

Live Phone-in Programme

- SCERT has launched a Live Phone-in programme through TSAT In the context of COVID 19 and virtual transaction with students of classes 8, 9 and 10.
- The programme telecasted on every Saturday (except on Second Saturdays and Public holidays) for clarifying the doubts of students and teachers regarding the content of digital lessons of non language subjects (i.e. Mathematics, Physical Science, Biological Science and Social Studies) telecasted by SIET.

Samagra Shiksha

Digital Initiatives

Samagra Shiksha

Digital Initiatives:

- Tic Tac Learn Videos
- WhatsApp Chatbot 'Intinta Chaduvula Panta'
(Harvest of education in every home)
- Tele service by Special Educators

Tic Tac Learn Videos

- **No. of Videos developed** : 10000+ Videos and 875+ Hrs of Content
- **Subject:**
 - Mathematics for Classes 1 to 10
 - EVS and Science for Classes 3 to 10
- All the Videos are Animated, of High quality and Pedagogically sound (4-5 mins)
- Videos are linked with the School Education Official website.

WhatsApp Chat Bot 'Intinta Chaduvula Panta'

- **Objective:** Weekly assessment of children to help, identify and address learning gaps. Providing asynchronous access to high-quality content and teaching support through WhatsApp to the children.
- **Procedure:**
 - WhatsApp Bot No. 8595524405 disseminated to students
 - Worksheets designed for classes I to X for all subjects linked with WhatsApp Bot.
 - Questions pertaining to two subjects per week can be practiced by students' on the Chat Bot.

WhatsApp Chat Bot 'Intinta Chaduvula Panta'

- After practice, answer key is sent.
- Based on students' answers chat bot sends relevant video links for further learning.
- Reporting (Live dashboard) is linked with School Education Website for DEOs to track their district's usage and review with MEOs and Teachers.
- Helpline no. 011-40747485 is created for technical queries.
- Developed material for WhatsApp Chatbot in collaboration with the Central Square Foundation
- The programme is being implemented in English, Telugu and Urdu Media.

Tele service by Special Educators

- **Objective:** To provide Tele-service to parents of CWSN during COVID-19 pandemic.
- Initially, all Special Educators (Inclusive Education Resource Persons) were trained virtually
- The training inputs include Balancing mental health, Strategies to work with families of CwSN, Behavioural management, Emotional regulation, Remedial Teaching strategies.
- After training, Special Educators have provided tele-service to parents of CwSN who are under School Readiness Programme and Home Based Education.
- Child wise action plan adopted by the Special Educators so as to cover each child at least twice a week and guided parents on how to handle the children and follow up action to be taken for improving their skills.

The image features a solid blue background. At the top, there are several wavy, horizontal lines in various shades of blue, creating a decorative header effect. The text "THANK YOU" is centered in the middle of the page.

THANK YOU