



# DIGITAL INITIATIVES OF KERALA - PART1

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# The NEW NORMAL

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We are living in a world that has witnessed gigantic changes within a short span of time. The kind of disruption has been so swift that no body could even imagine a century ago.

**From manual to technical, and now to digital; the transition has been fundamental and appreciable.**

These changes have made not only our lives better but challenging too in the 'New Normal' world.

# The New Normal

- More than one and a half years after schools in the State closed in the wake of Covid 19 pandemic, when all the uncertainties regarding the spread of the Virus still exists, students were back to school on November 1, on the day of the origin of the Kerala State.
- Kerala was lauded across the world as a success story in containing the unprecedented pandemic and its exemplary activities in the field of Education. Kerala has initiated learning through Online platform and ensured quality education during this pandemic.

# INITIATIVES BY THE KERALA STATE

DEPARTMENT OF GENERAL  
EDUCATION Leads the school  
education in Kerala

SCERT Kerala provides  
academic inputs, support and  
vetting of all academic  
documents for various  
agencies DIETs,SSK,SIET and  
other academic wings of the  
General Education Department

# SCERT Kerala- Role in Digital Initiatives during the Pandemic Period

Online Classes  
– First Bell

Best Practices

Teacher  
Orientation  
Programmes

Research  
Activities

Programmes  
for CWSN

# The process of making First Bell Digital Classes

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From Class 1 to 12 SCERT Kerala either produced episodes or vetted the content.

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The Process:

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A team of Practicing Teachers were given orientation by the SCERT Kerala and were asked to develop e content from a chapter/unit.

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Then the e content so developed was vetted by the experts appointed by the SCERT Kerala.

# The process of making First Bell Digital Classes

- Then episodes were made and again a final scrutiny was done by the experts before airing those episodes on the KITE Victers TV Channel.
- A detailed time schedule was published well before the telecasting of episode.
- The other agencies like Samagra Shikha , SIET etc. also developed classes. The classes were telecasted through the KITE Victers TV Channel, You Tube & FB page. It was a premier attempt in India to make classes digital with the help of TV channels and Social Media.
- The subscriber base of the you tube channel of KITE Victers has increased from 50K to 33.9 lakh subscribers.

# Advantage of Centralized Digital Classes

- Learners would get classes from the experienced teachers after a thorough scrutiny. It can ensure quality delivery of the content.
- Standardization of classes
- Viewing the content again on social media.
- 95.3% students get access to the First bell digital classes ( Study by SCERT Kerala)



- Home
- Schedule
- Featured Play lists
- Programs
- YouTube Channel
- Download Mobile App.
- Contact

- Popular Programmes
- First Bell 2021-22
  - First Bell 2020-21
  - ലൂക്കിംഗ് അറ്റ് മീഡിയ
  - വൈതര്യകം
  - വിജ്ഞാനധാര
  - ബാലസൂര്യൻ
  - VICTERS ROOM



First Bell 2.0 STD 01 Malayalam Class 75  
a day ago



First Bell 2.0 STD 08 Malayalam Adisthanapadavali Class 25  
a day ago



First Bell 2.0 STD 08 Biology Class 23  
a day ago



First Bell 2.0 STD 09 English Class 50  
a day ago



First Bell 2.0 Plus One Zoology Class 22  
a day ago



First Bell 2.0 Plus One Political Science Class 35  
a day ago



First Bell 2.0 Plus One Economics Class 27  
a day ago



First Bell 2.0 Plus One Business Studies Class 42  
a day ago

# <https://youtu.be/Uy0mi3An-Z0?t=29>

(3237) KITE VICTERS STD

youtube.com/watch?v=Uy0mi3An-Z0

Apps Gmail YouTube Maps New Tab EMI Calculator for... Google Google എഴുത്ത് ഉപ... CNNMoney - Busi... NEXA | A new des... RESEARCH CITATI... http://chartink.co...

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All Lessons Related From itsvicters

First Bell 2.0 STD 02 English Class 41  
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71K views · 1 month ago  
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First Bell 2.0 STD 02 Malayalam Class 52  
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KITE VICTERS STD 02 English Class 47 (First Bell-ഫസ്റ്റ് ബെൽ)  
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Sony YAY! Malayalam  
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കുട്ടികൾ പൊതുവിദ്യാഭ്യാസ വകുപ്പ്

KITE VICTERS

www.youtube.com/itsvicters

www.facebook.com/victerseduchannel/

LIVE STREAMING

www.victers.kite.kerala.gov.in

KITE VICTERS STD 02 English Class 40 (First Bell-ഫസ്റ്റ് ബെൽ)

159,118 views · Feb 3, 2021

2K DISLIKE SHARE SAVE ...

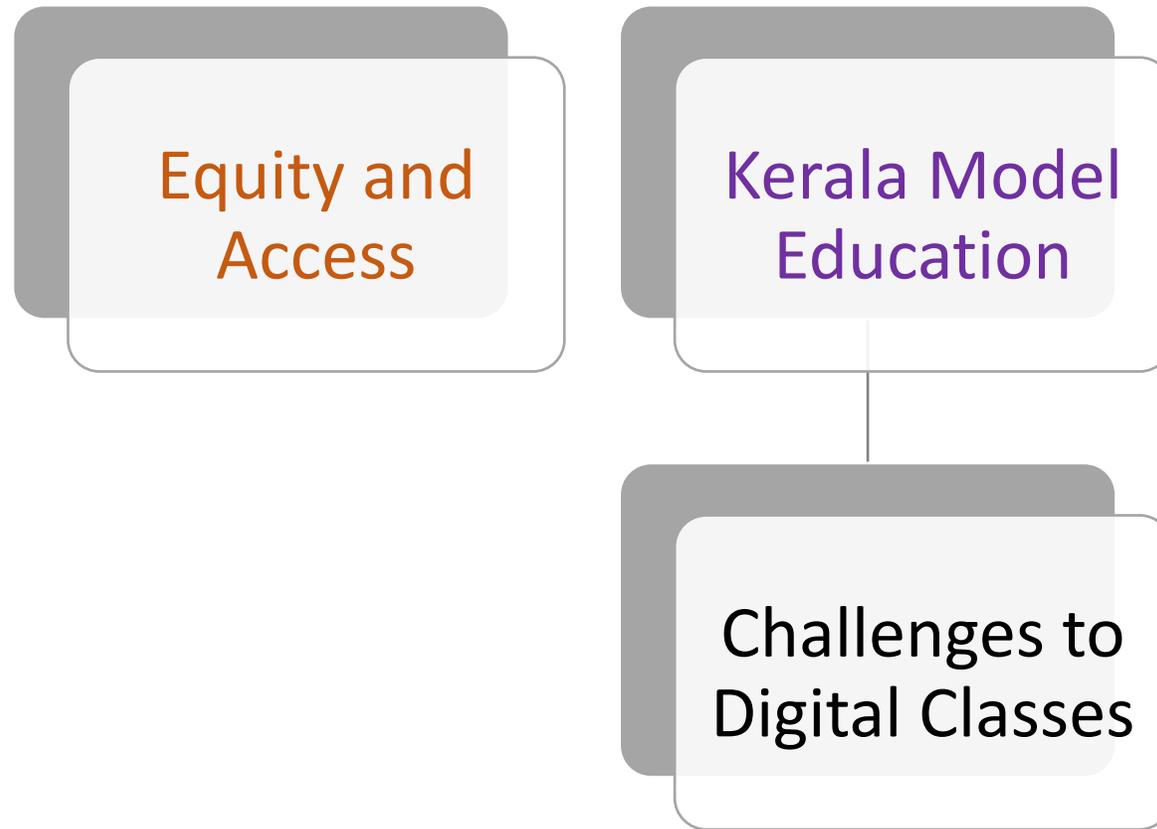
itsvicters 3.39M subscribers

SUBSCRIBED

# Whatsapp Classes

- After the telecasting of Digital classes , the students were asked to do some assignments based on the digital content and it was monitored by the teachers at the school level.
- By this way the student- teacher interaction became live. Support from parents and other organizations were immense.

# Gadget Sufficiency



# Challenges to Digital Classes

- The first and foremost challenge was lack of / enough digital gadgets – mobile phone, tablet, etc.
- This could overcome by the bold initiatives of the Government of Kerala. The Chief Minister Sri. Pinarayi Vijayan asked to the well wishers and the progressive organizations to contribute their share to the learning aids of the needy students.

# വിദ്യാകിരണം പദ്ധതിക്ക് തുടക്കം



എൽഡിഎഫ് സർക്കാർ നടപ്പാക്കുന്ന വിദ്യാകിരണം പദ്ധതി മുഖ്യമന്ത്രി പിണറായി വിജയൻ ഓൺലൈനിൽ ഉദ്ഘാടനം ചെയ്യുന്നു

## സ്വന്തം ലേഖകൻ തിരുവനന്തപുരം

പൊതുവിദ്യാഭ്യാസ രംഗത്തെ ശാക്തീകരിക്കാൻ സംസ്ഥാന സർക്കാർ നടപ്പാക്കുന്ന വിദ്യാകിരണം പദ്ധതിക്ക് തുടക്കമായി. മുഖ്യമന്ത്രി പിണറായി വിജയൻ ഓൺലൈനായി ഉദ്ഘാടനം ചെയ്തു. വെബ്സൈറ്റിനും മുഖ്യമന്ത്രി തുടക്കം കുറിച്ചു. പദ്ധതിയിലൂടെ എല്ലാ വിദ്യാർ

ഥികൾക്കും ഡിജിറ്റൽ പഠനോപകരണം ലഭ്യമാക്കും.

പൊതുവിദ്യാഭ്യാസസംരക്ഷണ യജ്ഞത്തിന് സമാനമായ ജനകീയ ഇടപെടലാണ് ലക്ഷ്യം. വ്യക്തികൾ, സംഘടനകൾ, കമ്പനികൾ തുടങ്ങിവർക്ക് വെബ്സൈറ്റായ <https://vidyakiranam.kerala.gov.in> ലൂടെ സഹായം നൽകാം. ഒരു പ്രദേശത്തെ സ്കൂളിനെ പ്രത്യേകമായി സഹായിക്കുന്നതിനും

സംവിധാനമുണ്ട്. എത്ര കുട്ടികൾക്ക് പഠനോപകരണം നൽകാൻ ഉദ്ദേശിക്കുന്നുവെന്നും രേഖപ്പെടുത്താം. കമ്പനികൾക്ക് സിഎസ്ആർ ഫണ്ടും സംഭാവനയായി നൽകാം. വിദ്യാഭ്യാസ മന്ത്രി വി ശിവൻകുട്ടി അധ്യക്ഷനായി. ഗുണമേന്മയുള്ള വിദ്യാഭ്യാസം കുട്ടികളുടെ അവകാശമെന്ന ലക്ഷ്യത്തോടെയാണ് സർക്കാർ വിദ്യാഭ്യാസരംഗത്ത് പദ്ധതികൾ നടപ്പിലാക്കുന്നതെന്ന് മന്ത്രി പറഞ്ഞു.

മന്ത്രിമാരായ കെ കൃഷ്ണൻകുട്ടി, എം വി ഗോവിന്ദൻ, പി രാജീവ്, ആന്റണി രാജു, കെ രാധാകൃഷ്ണൻ, അഹമ്മദ് ദേവർകോവിൽ, ചീഫ് സെക്രട്ടറി വി പി ജോയി, മുഖ്യമന്ത്രിയുടെ ചീഫ് പ്രിൻസിപ്പൽ സെക്രട്ടറി കെ എം എബ്രഹാം, പൊതുവിദ്യാഭ്യാസ സെക്രട്ടറി എ പി എം മുഹമ്മദ് ഹനീഷ് തുടങ്ങിയവരും പങ്കെടുത്തു.

# Challenges to Digital Classes

- Thousands of Mobile phones, tabs and laptops were donated by many people and organization. Moreover, A new fund was formed by the CM –Educational Empowerment Fund. The aim is to provide laptops to 4.71 lakh children across 14 districts through the Vidya Kiranam project.

# Challenges to Digital Classes

- The second Challenge was lack of data or weak data transmission.
- The Kerala Fibre Optical Network ( K FON) - Need for a better bandwidth

The Kerala state witnessed a frenetic pace in adopting smarter solutions such as

- video conferencing, video surveillance, smart traffic management, telemedicine, smart classrooms/e-education, e-Courts, smart meters and asset tracking
- related responsible technologies like Artificial Intelligence, Cloud Storage, Internet of Things, Machine-to-Machine (M2M)
- rise in mobility including multiple device ownerships
- growth in the number of internet users.

# K FON – Kerala Fibre Optical Network – Internet a Basic Right

The screenshot displays the website for K FON (Kerala Fibre Optical Network). The browser address bar shows the URL [kfon.kerala.gov.in/about-kfon/](http://kfon.kerala.gov.in/about-kfon/). The page features a navigation menu with links for Home, About, Services, Project Status, Network Info, Downloads, Gallery, FAQ, and Contact. A search icon is also present. The main content area is a dark-themed banner with the K FON logo and the slogan "INTERNET - A BASIC RIGHT".

**10+ TELECOM INFRA & SERVICE PROVIDERS**

- Auxillary infrastructure
- Extended reach with no Opex cost
- Increased market base
- Extending to telecom towers

**35000 KILOMETERS OPTICAL FIBRE NETWORK** | **40G PER DISTRICT**

**ROBUST, RELIABLE SECURE INTRANET**

- One time laying
- Scalable and reliable

**NEUTRAL NETWORK INFRASTRUCTURE**

- Non discriminating Access
- Avoids monopolistic tendencies

**ENABLING KNOWLEDGE SOCIETIES**

- K FON democratises the access to cutting edge technologies

# K FON – Kerala Fibre Optical Network

K-FON – Kerala Fibre Optical Network

kfon.kerala.gov.in

KSITIL 0471-4068006, 2474006 info@ksitil.org

Home About Services Project Status Network Info Downloads Gallery FAQ Contact

**35000 KILOMETERS OPTICAL FIBRE NETWORK** | **40G PER DISTRICT**

**FREE ACCESS TO 20 LAKH+ UNDER PRIVILEGED PUBLIC**

**30000+ GOVERNMENT OFFICES**

**100+ LCOS, MSOS**

**10+ TELECOM INFRA & SERVICE PROVIDERS**

**KFON**  
INTERNET - A BASIC RIGHT

NEUTRAL NETWORK INFRASTRUCTURE ENABLING KNOWLEDGE SOCIETIES ROBUST, RELIABLE SECURE INTRANET

## INTERNET – A BASIC RIGHT



Shri. Bishwanath Sinha IAS  
Principal Secretary, F&IT, Govt.



Dr. Santhosh Babu IAS (Retd.)  
Managing Director



Dr. B. Ashok IAS  
CMD, KSEFI

# K FON – Kerala Fibre Optical Network

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K FON has been structured to be completed as two tracks:

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Track 1: Setting up of a state-wide core optical fibre network and providing connectivity to 30,000+ government institutions.

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Track 2: Provide free internet to economically backward families and subsidized internet for others by leveraging KFON Infrastructure

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It will aim to bridge the digital divide by making internet access a basic right to citizens and enable the state government's vision to provide free internet access to economically backward households.



# Other Challenges to Digital Classes

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Lack of interest among students towards digital classes.

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It may be due to various reasons

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No students interaction

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Lack of self motivation

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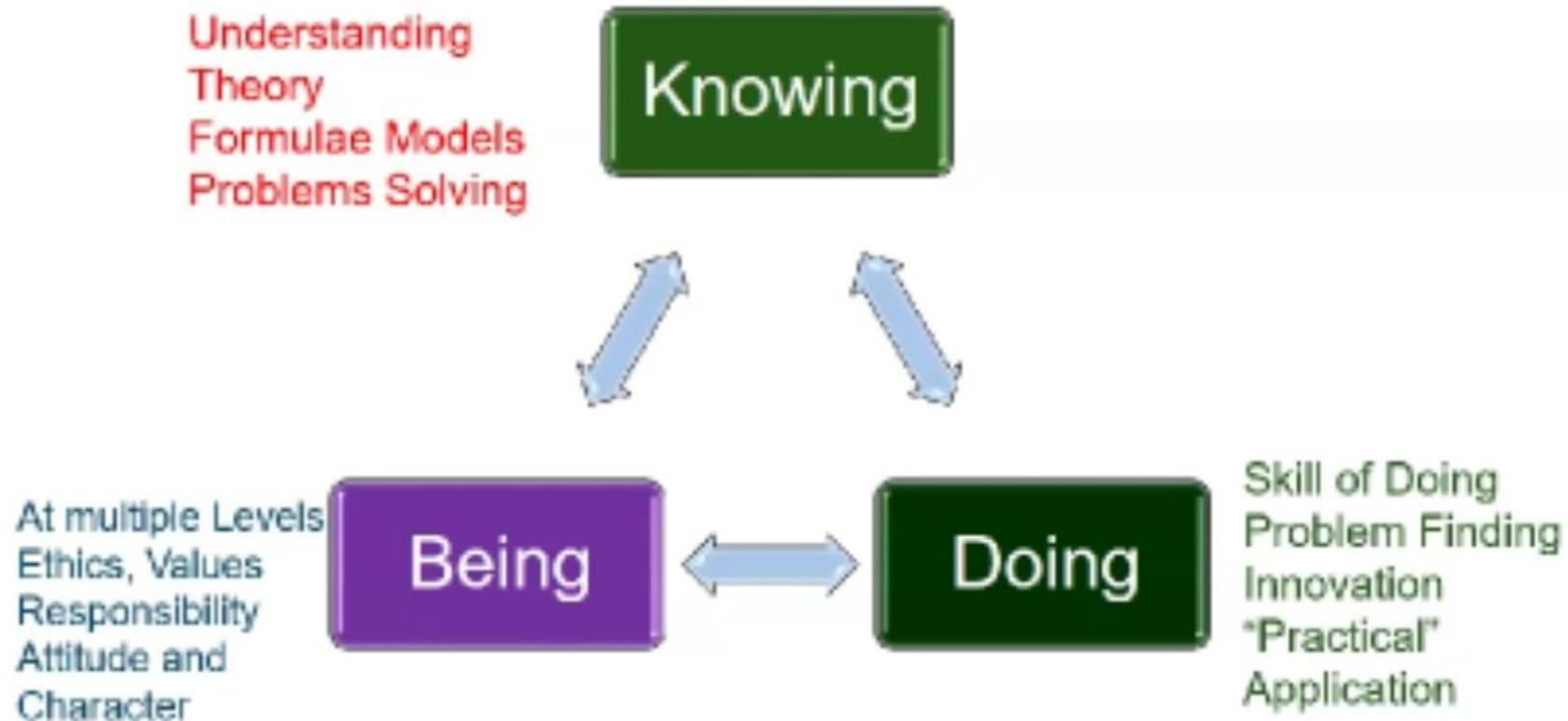
Too many e content spoil the mood

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## Changing Nature of Education

- Process of Education



# Learning Management System ( LMS)

Google Meet for Video Conferencing

Assignments

Conducting Quiz

Ease of Evaluation

Cloud storage for data

Word Processing, Presentation, Spreadsheet facilities

Google Forms

07/03/22

# Google Classroom

Room for better  
interaction with  
students

It could replace  
the centralized  
digital classes to a  
great extent.

# Health Issues- Physical & Mental- by Research studies

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Obesity – Lack of movements – sitting in front of a device

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Diabetes – no work outs, lifestyle

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Short-sightedness /myopia- improper distance. Keep 20:20:20 rule

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Spondylosis – wear and tear spinal code

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Back pain – Sitting in wrong position

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No work outs

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## **Mental Stress**

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Lack of Socialisation

# Best Digital Practices



- It @ Kadakkarappally GLPS Cherthala – Thanal Project- Kids become the teachers of aged people. Computer literacy. Students starts using online transaction including payment of electricity bills

- <https://youtu.be/P11JYmLHYIM?t=78>

# Best Digital Practices

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- School News Channel NEWS 19 by GHSS Puthoor.
- More proficient in English language usage.
- [https://youtu.be/hbe2R\\_SKsW8?t=399](https://youtu.be/hbe2R_SKsW8?t=399)





GENERAL EDUCATION DEPARTMENT  
GOVERNMENT OF KERALA



# തിരികെ സ്കൂളിലേക്ക്

ഹയർസെക്കൻഡറി അധ്യാപക ഏകദിന  
ഓറിയന്റേഷൻ പ്രോഗ്രാം



SCERT KERALA  
എസ് സി ഇ ആർ ടി കേരളം

# Back to School Programme



It is an initiative by the General Education Department of Kerala. We started opening schools from November 1, 2021. the programme was branded as BACK to SCHOOL. Around 180000 Teachers were trained through online mode .



The modules were developed jointly by SCERT , SSK , DIET ,KITE and SIET for Class 1 to 10.



For Class 11 and 12 SCERT developed the Module and conducted the Programme with the help of the Higher Secondary wing of the DGE.

# Back to School Programme – HSS Level

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## Objectives of this Programme

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To make students classroom learning ready

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After a long gap of 18 months they were coming back to school

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To identify the learning gap and scaffold them to the mainstream education.

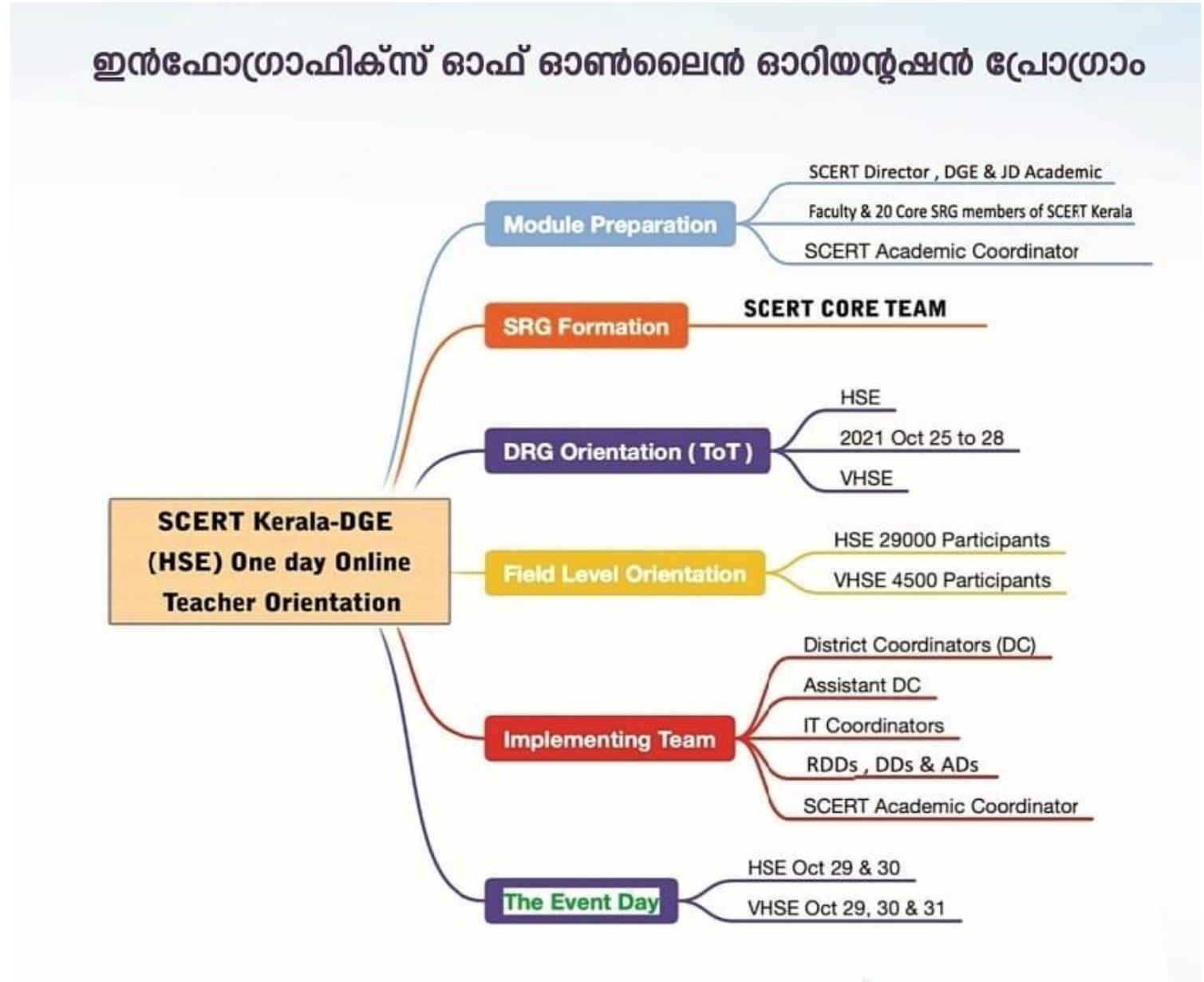
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To equip the teachers to conduct both online and offline classes .

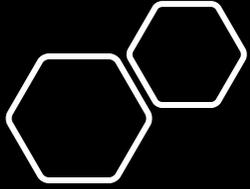
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The schools were initially working on half the capacity to ensure the Covid 19 protocol.

Provide online orientation to around 34000 Higher Secondary School Teachers.







# Higher Secondary education scenario

- The distinctiveness of the Higher Secondary Education sector comes from various factors including public examinations in the first and second year, the adolescent students hailing from far away places, diverse subject combinations etc.
- Due to various factors like the conduct of public examination, plus one admission, evaluation etc., it has become impractical to give direct training to HSS teachers before the reopening of Schools. In this scenario, it has been decided to organize an online orientation program for the teachers.

This module has been prepared to equip teachers with necessary insights and adequate methods to be adopted while the schools reopen.

## This includes

- the importance of adhering to the COVID 19 protocol,
- health and sanitation,
- creating a warm student-teacher environment,
- creating an academic blueprint, exploring the possibilities of blended learning in furthering educational activities, continuous evaluation, practical evaluation,
- awareness drives for parents etc.



# Higher Secondary Teacher Orientation

- This module has been prepared considering the peculiarities of the higher secondary sector without compromising the guidelines issued by the Department of General Education on school reopening.
- The batches have been scheduled to attend the teachers and the Principal of a school together in the online training sessions. It helped the School Resource Group (S.R.G) to design its activities in a better way.

# SCERT initiatives on CWSN

Ganiniprabha

Jyothirmayi You Tube Channel

Prathibhamayi

Suraksha

Mudrikapadam

Sameeksha

# Ganiniprabha- CWSN- Teacher Empowerment Programme

- Online Teacher Empowerment Programme in Digital fitness.
- All the teachers of special schools in Kerala were trained through online in QR code generator, video shooting, editing ,sound mixing etc. In the first phase 3300 teachers were trained.
- In the second phase 250 teachers were trained in video editing. These teachers were assigned to take video and edit and send to SCERT Kerala for Scrutiny .
- The final videos are uploaded in the **JYOTHIRMAYI** -Educational You tube channel for Children in Special schools in Kerala.



## Prathibhamayi – CWSN - special package developed for Intellectually disabled children

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- Online teacher Empowerment for introducing special package developed for Intellectually disabled children in special schools in Kerala.
- SCERT Kerala identified that there is no uniform curriculum for ID schools .
- So a package was developed and transacted for ID children in special schools. Based on this package videos were developed and uploaded in the **JYOTHIRMAYI you tube** channel.

# Surakshaa- CWSN- Parental awareness

- Online teacher empowerment for teachers in Kerala. Every principals of all special schools for Intellectually disabled students were trained to conduct Parental awareness in their schools.
- Introduction of Jyothirmayi channel, Psycho-socio problems of children and the management of behavioural problems were the major content for the module.
- 2200 teachers and 422 principals attended in this training. All schools organized virtual as well as offline parental awareness programmes in their respective schools after the training of SCERT

# Mudrikapaadam

- CWSN- Indian Sign Language- ISL

- Online teacher empowerment for special school teachers(HI) in Indian Sign Language.
- For the unification of signs used in special schools of HI in Kerala SCERT organized teacher empowerment in subject wise ISL.
- 6 day training was organized and implemented.
- 522 teachers and non-teachers attended the training.16 video classes developed by SCERT Kerala and it is available in **SCERTYOUTUBEKERALA** channel
- <https://youtu.be/1hMmP4CFcBk?t=710>

# Sameeksha- CWSN- Sarada braille writer for the teachers of special schools

- Online teacher empowerment in Sarada braille writer for the teachers of special schools for visually challenged children.
- Sarada braille is a computer software developed by SCERT Kerala for supporting visually challenged students.
- All teachers were trained virtually. 97 teachers participated.
- The software implemented in schools for visually challenged.
- The video classes are available in the you tube channel of SCERT Kerala – **SCERTYOUTUBEKERALA**
- <https://youtu.be/pqOC2fJ0rNc?t=2>

# Research on First bell Classes by SCERT Kerala

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- The Covid 19 situation demands educational institutions to make advancement through unfamiliar paths. As the whole world survives with the cry 'Live with Covid' seeking alternative means in every field, the educational sector cannot remain secluded.
- The prevailing situation involving Covid has bridged this gap. Interventions made by the Government by prioritising universal education and the right to education turned out to be a role model for the entire nation.
- As compared to other states of India, the General Education Department of Kerala Government was much ahead in initiating the telecast of video classes through KITE VICTERS channel.

# Objectives of the study

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To find out the scope of 'First Bell' digital classes on the technical infrastructure, content/ pedagogy, extension activities etc.

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To find out the limitations of 'First Bell' digital classes on the technical infrastructure, content/ pedagogy, extension activities etc.

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To formulate practical suggestions to improve 'First Bell' digital classes.

# Sample

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2652 Students belonging to classes 5,6,7,8,9,10 and 12 from 14 districts were selected as the sample for the study.

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Additionally, five students of the L.P section from schools in every district were also taken as sample.

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500 Parents of students studying in standard 1 to standard 12, 1275 teachers, 3 educational experts, 137 monitoring members (RRD, AD, DEO, AEO, DIET, HM) etc., were also included in the sample.

# Tools for collection of data

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Tools viz., questionnaire, interview schedule, focus group discussion etc., were used for the study. Questionnaires were given to collect data from students and teachers through online mode.

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Online mode of data collection was also carried out among monitoring members such as RRD, ADs, District Education Officer, Assistant Education Officer, faculty at DIET and Headmasters.

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Data collection from educational experts was conducted through interview method both directly and through online mode. Focus group discussion was conducted for data collection from parents.

# Findings of the study

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- **During the lockdown period, a large proportion of students had the opportunity to attend and learn through 'First Bell' digital class.**
  - **But a small percentage of students who could not meet the facilities for the same in their house mainly depended on their neighbourhood houses.**
  - **The gadgets/support to access digital classes was ensured by voluntary organizations, PTA, SMC, LSG etc.**
  - **Majority of the students utilised TV as the medium to get involved in the digital class.** Most of the students attended the classes without any interruptions. A very small percentage of students faced interruption while receiving classes due to failure of power supply and low internet speed.

# Findings of the study

- 
- Almost all the students were informed about the digital classes by their respective class teachers while most of the teachers received information about the same from the Headmasters/Principal.
  - The communication rendered by the teachers in the digital class and the learning activities assigned by them were perceived well by majority of the students and was found to be suitable to meet the expected learning outcomes. Most of the members of the monitoring team suggested to provide explanations required for lessons after centralised classes to ensure its effectiveness.
  - A large proportion of students preferred the conventional classes conducted at schools over digital sessions. But almost all the students participate only in the 'First Bell' classes for learning. It was also found that a single teacher at a time is preferred over multiple teachers in handling classes related to the same unit.

# Findings of the study

- 
- A comparatively large percentage of teachers always try to ensure clarification on various concepts after respective digital classes.
  - A large proportion of students preferred the conventional classes conducted at schools over digital sessions. But almost all the students participate only in the 'First Bell' classes for learning. It was also found that a single teacher at a time is preferred over multiple teachers in handling classes related to the same unit.

# Findings of the study

48

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- Nearly all the teachers provide guidelines for the timely completion of follow-up activities.
  - Even though most of the students could do the activities, more than half of the students face difficulty in fulfilling the same.
  - This is due to a lack of interest on the part of students.

# Suggestions of the Study

Digital classes can be made more natural by the participation of at least a few students during the recording sessions.

Together with sessions on academic subjects, it would be desirable to allocate time to include sessions on motivation, sports activities, art and cultural activities etc.

# Suggestions of the Study

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The faster pace with which teachers transact lessons causes difficulty in the acquisition of concepts among the students. Enough time should be given to students for clear assimilation of concepts.

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It should be taken care that the follow-up activities assigned do not turn out to be a burden for the students.

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Awareness sessions must be given frequently to parents and students to enable them to identify their respective roles in the new situation.



- **Relevant Experiential Learning Programmes During Covid 19 Lock down period**



## Relevant Experiential Learning Programmes During Covid 19 Lock down

**AksharaVruksham** – A gigantic project that help the students to publish their creative literary works in the form of poems, stories and articles in Malayalam & English created by them at home during the lock down days due to Covid 19 pandemic.

It was submitted online by the students of Kerala State to the School Wiki portal during the lock down days. 56399 works were received from 4947 schools! It was coordinated by the SCERT Kerala and released by the Honorable CM Sri. Pinarayi Vijayan in 10 Volumes and it got an entry into the **India Book of Records**.

AKSHARAVRUKSHAM  
<https://schoolwiki.in/>  
അക്ഷരവൃക്ഷം

കവിതകൾ	കഥകൾ	ലേഖനം	ആകെ സൃഷ്ടികൾ
25443	9,859	21106	56399

സൃഷ്ടികൾ ജില്ലാടിസ്ഥാനത്തിൽ				
ജില്ല	കഥകൾ	കവിതകൾ	ലേഖനങ്ങൾ	ആകെ സൃഷ്ടികൾ
കാസർഗോഡ്	309	816	611	1,736
കണ്ണൂർ	1,437	3,493	2,771	7,702
വയനാട്	211	494	481	1,187
കോഴിക്കോട്	253	651	567	1,474
മലപ്പുറം	1,557	3,720	2,912	8,194
പാലക്കാട്	473	1,199	911	2,583
തൃശ്ശൂർ	336	786	577	1,699
എറണാകുളം	663	1,572	1,432	3,667
ഇടുക്കി	108	292	265	665
കോട്ടയം	672	1,523	1,528	3,723
ആലപ്പുഴ	670	1,951	1,458	4,081
പത്തനംതിട്ട	218	590	565	1,373
കൊല്ലം	415	1,224	1,061	2,700
തിരുവനന്തപുരം	2,516	7,073	5,938	15,547

# IT Maths Lab at the Higher Secondary Level

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Children acquire knowledge of numbers and numerical skills in their early childhood itself through plays and other activities .

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In higher classes , the way of presentation of concepts in Mathematics becomes a bit abstract and sometimes it spoils the genuine interest of students to an extent.

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Now it has become easy to present an abstract concept by the use technology . NEP 2020 has also stressed the importance of Mathematics education.

# IT Maths Lab at the Higher Secondary Level

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IT Maths Lab is introduced in higher secondary level to make the learning process more creative and student friendly.

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This opens a platform for *learning by doing* and it accelerates learning by making it joyous.

# IT Maths Lab at the Higher Secondary Level

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Software like GeoGebra contributed a lot in this makeover.

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Activities in IT Maths Lab are regulated with the help of GeoGebra

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A detailed Lab Manual is also prepared by SCERT for helping the students.

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SCERT prepared a guideline in this direction and the State Curriculum Steering Committee approved the same and recommended to submit before the government.

# Reading Cards in English for Upper primary class – Extended Reading materials

Reading for pleasure is to be promoted from lower classes. This will prepare and engage young learners to explore new horizons of joyful learning.

Learners can independently interact with each other and the teacher, while using the cards. Initial interaction with the teacher on each card may help in better comprehension.

# Methodology – Reading Cards

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- *A pack of 60 cards have been designed for each class.*
  - *The cards vary in difficulty level; some cards may be easy for a particular group and the same set of cards may be difficult for another group. So, the teacher may distribute the cards freely.*
  - *Let the students try them without any fear or prejudice. If they can understand a card, they may be given other cards too.*
  - *Gifted learners may be given as many cards as possible.*
  - *No sequence or order is needed in distributing the cards among the learners.*
  -

# SAHITHAM PORTAL

<https://sahitham.kite.kerala.gov.in/>

SAHITHAM

HOLISTIC STUDENT ASSESSMENT PROGRAM - EDUCATION REJUVENTATION MISSION GOVT OF KERALA

- Enhance Teacher student relationship
- Enable teacher to understand the gaps in students learning
- Enable student to learn to be the right fit for current time.

Login

Username

Password

Sampoorna login

Login

Sign Up      Forgot Password?

# Objectives of SAHITHAM – Innovative Concept

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How to identify the personal characteristics of children with the help of modern technology is the Core Theme of SAHITHAM .

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IT aims to be emerged as big data on student profile. It is under the development stage.

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Three major components of it are:

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## MENTORING

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Teachers should understand the socioeconomic and cultural background of students by constantly interacting with them.

# Objectives of SAHITHAM

- CREATION AND UPDATING OF STUDENT PROFILE IN DIGITAL MODE.
- it includes the identification and recording of of mathematical skills logical reasoning skills scientific temper of students language skills social consciousness English competency and Pro socio competency.
- The third one is continuous evaluation of students by applying the above two aspects.

This portal can help the Teachers and policymakers take better decisions on child development programs.

# SAMETHAM PORTAL- SINGLE WINDOW FOR DATA

<https://education.kerala.gov.in/2019/12/10/sametham-2/>

The screenshot displays the SAMETHAM portal interface. At the top, the browser address bar shows the URL [education.kerala.gov.in/2019/12/10/sametham-2/](https://education.kerala.gov.in/2019/12/10/sametham-2/). The page header includes the text "OFFICIAL WEBSITE OF GENERAL EDUCATION DEPARTMENT" and the logo of the "GENERAL EDUCATION DEPARTMENT, GOVERNMENT OF KERALA". A search bar labeled "Find your School" is present, along with a link for "Looking for old site? click here". The main navigation menu consists of several categories: Home, Offices Associated, Academic, GO/Circulars, Directories, Information Services, E-Governance, Downloads, and Contacts. Below the menu is a large banner image showing students in a computer lab. The breadcrumb trail reads "Home > Egov > Sametham". At the bottom of the page, the date "07/03/22" is displayed on the left, and the contact information "RENJITH SUBHASH, Research Officer, SCERT Kerala" and "NCW Women Helpline 7827-170-170" is centered.

# Kerala- Way Ahead

## **Kerala State Government Plan**

Kerala : A Knowledge Society

Kerala should be transformed into a digital economy

Ensuring Higher standards in both School & Higher Education.

The knowledge created should transform into innovations.

These innovations should drive new start-ups.

New techniques should be integrated into all sectors.

Thank YOU

**Renjith Subhash**

Research Officer in Vocational education and  
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**SCERT Kerala**

**Thiruvananthapuram**

