



# **DIGITAL INITIATIVES IN EDUCATION BY HIMACHAL PRADESH**

**STATE COUNCIL OF EDUCATIONAL RESEARCH AND TRAINING HIMACHAL PRADESH**

# OVERVIEW OF THE PRESENTATION

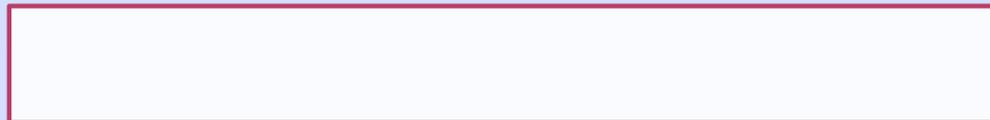
State Profile



Demographic Indicators

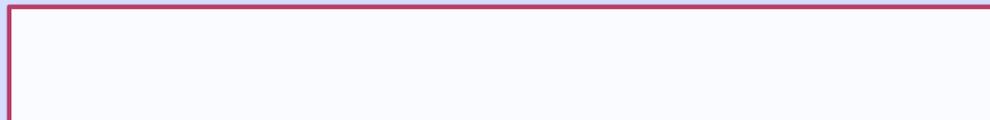


Education Scenario in Himachal Pradesh

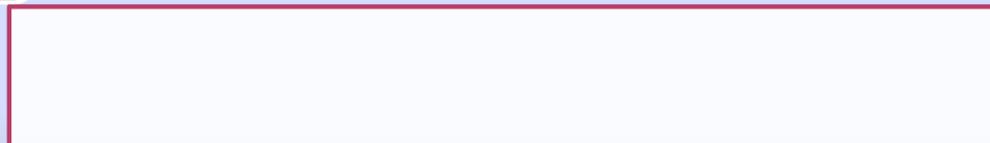


School Education System in Himachal Pradesh

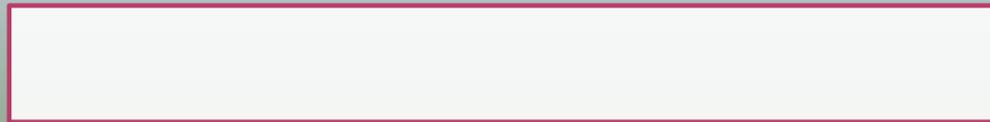
Digital Initiatives/ICT



Best Practices in Education by Himachal Pradesh



Synergy with National Initiatives



# STATE PROFILE: HIMACHAL PRADESH

**Himachal Pradesh the 'Abode of Snow' is:**

- situated in the north-western part of Himalayas;
- almost wholly mountainous with elevation varying from 300 to 7000 meters
- Hilly region is divided into:
  - Shivalik or Outer Himalayas,
  - Lesser Himalayas,
  - The Great Himalayas or Zaskar and
  - the Trans-Himalaya mountain ranges.
- **Geographical area** : 55,673 square kilometres,
- **Neighbouring States/UTs**:
  - Jammu and Kashmir (In north)
  - Punjab (on the west)
  - Haryana (on the south-west)
  - Uttarakhand (on south-east) and
  - Tibet (on the east)
- **It also touches**
  - the State of Uttar Pradesh (At its southernmost part) and China (on the east).
- **Population:** 68,64,602
- **Literacy Rate:** 82.80
- **The capital of the State is Shimla.**



# Demographic Indicators

<b>Indicator</b>	<b>Himachal Pradesh (Census 2011)</b>	<b>All India</b>
<b>Population (million)</b>	<b>6.8</b>	<b>1210</b>
<b>Decennial Growth rate</b>	<b>12.95</b>	<b>17.64</b>
<b>Population Density per Sq km</b>	<b>123</b>	<b>368</b>
<b>Rural Population (as % of total )</b>	<b>89.97</b>	<b>68.84</b>
<b>Literacy rate (All Persons)</b>	<b>82.80</b>	<b>73.0</b>
<b>Male Literacy rate</b>	<b>89.53</b>	<b>80.90</b>
<b>Female Literacy Rate</b>	<b>75.93</b>	<b>64.60</b>
<b>Sex ratio (Females per 1000 males)</b>	<b>972</b>	<b>943</b>
<b>Sex ratio (0-6 years)</b>	<b>909</b>	<b>919</b>
<b>Life Expectancy (2006-10)</b>	<b>70.0</b>	<b>66.1</b>
<b>Infant Mortality Rate (SRS 2013)</b>	<b>35</b>	<b>40</b>
<b>Crude Birth Rate (SRS 2013)</b>	<b>16.0</b>	<b>21.4</b>
<b>Crude Death Rate (SRS 2013)</b>	<b>6.7</b>	<b>7.0</b>

# EDUCATION SYSTEM IN HIMACHAL PRADESH

**Directorate of  
Elementary  
Education**

**Directorate of  
Higher  
Education**

**Primary  
Class I to V**

**Upper  
Primary  
Class VI to  
VIII**

**Secondary  
Class VI to X**

**Senior  
Secondary  
class VI to XII**

**College  
Education**

# EDUCATION SCENARIO IN HIMACHAL PRADESH

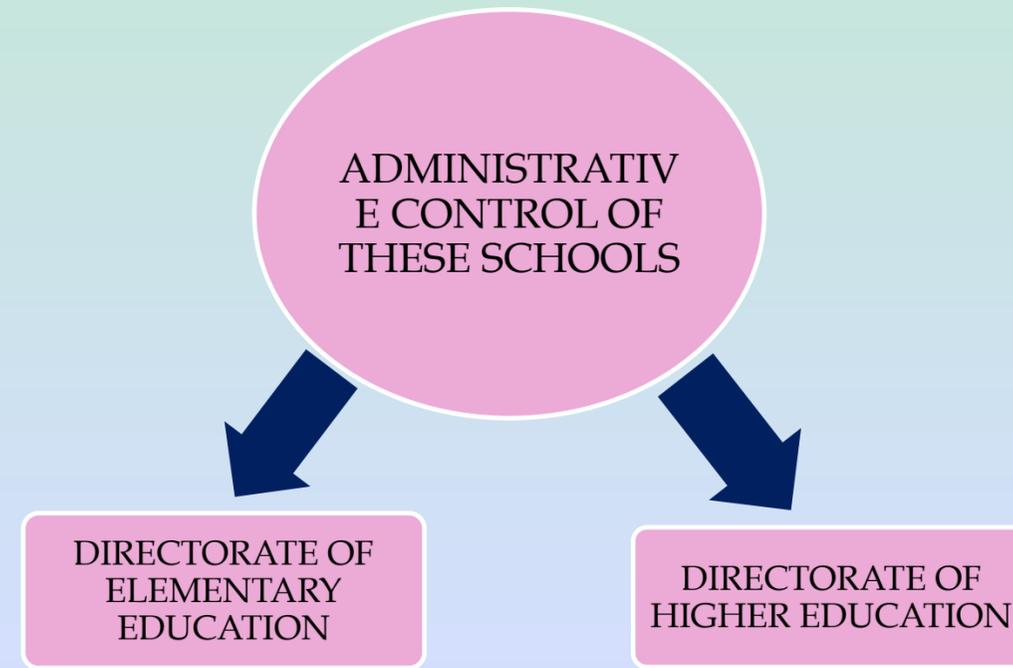
- Himachal Pradesh has taken significant strides in education since the State came in to being and is a model state among the hills states.
- Following institutions are engaged in the task of teaching learning in education:

Sr.No.	INSTITUTION	No.
1.	Govt. Schools	15357
2	Govt. Degree Colleges	127
3.	Govt. Sanskrit Colleges	07
4.	College for Fine Arts	01
5.	Govt. College for Teacher Education	01
6.	DIETs	12
7.	SCERT	01

SOME PIONEER EDUCATIONAL INSTITUTES OF THE STATE
Indian Institute of Advance Studies, NLU, State University, Shimla
Indian Institute of Technology, Mandi
University of Horticulture and Forestry, Solan
AIIMS Bilaspur, IGMSC Shimla
Agriculture University, Palampur
Central University, Dharamshala
National Institute of Technology, Hamirpur
National Institute of Fashion Designing, Kangra
Indian Institute of Information Technology, Una

- In addition to this, there are schools and colleges being managed by private managements and 17 Private Universities, catering to the educational needs of the State

# SCHOOL EDUCATION IN HIMACHAL PRADESH



- The Government of Himachal Pradesh has implemented free and compulsory education for students up to the age of 14 according to the Right to Education Act-2009.

- While the state government schools are affiliated to Himachal Pradesh Board of School Education (HPBOSE), there are several schools in the state affiliated to the Central Board of Secondary Education (CBSE) or ICSE for Class XII.

- Under Elementary Education there are two categories of schools namely Primary (Class I to V) and Upper Primary/Middle (Class VI to VIII). Similarly, under Secondary Education there are High Schools (Class VI to X) and Senior Secondary schools (Class VI to XII).

- The Government of Himachal Pradesh has launched Pre- primary (Nursery and KG) classes in selected 3,391 schools across the state in first phase and classes started from October, 2018.

- At present, the pre-primary section is functioning under the Department of Elementary Education. The hierarchy in the schools in Himachal Pradesh thereon is:

# SCHOOLS, ENROLMENT AND TEACHERS IN HIMACHAL PRADESH

TYPE OF SCHOOL		No.
Primary Schools	No. of Schools	10,568
	Enrolment	2,98,213
	Teachers	22,472
Upper Primary Schools/GMS	No. of Schools	1,918
	Enrolment	2,05,582
	Teachers	7,439
High Schools	No. of Schools	951
	Enrolment	1,45,943
	Teachers	8,161
Senior Secondary Schools	No. of Schools	1,934
	Enrolment	1,60,341
	Teachers	38,013
Total	No. of Schools	15,357
	Enrolment	8,10,079
	Teachers	76,085

# DIGITAL INITIATIVES/ICT BEST PRACTICES IN EDUCATION BY HIMACHAL PRADESH

Computer Aided

Learning in  
Elementary Schools

(CAL@ES)2009-10

Communication

Technology in Schools

(ICT@Schools)2009-10

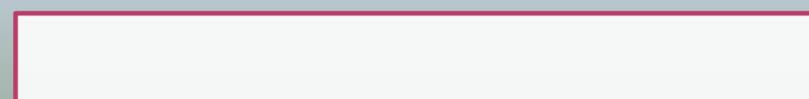
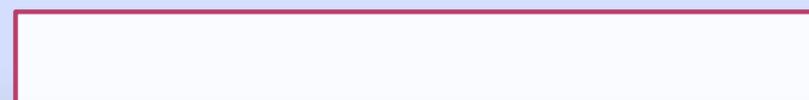
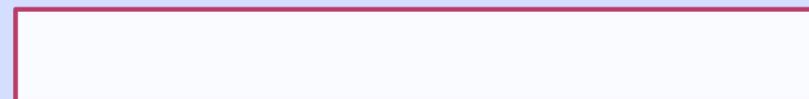
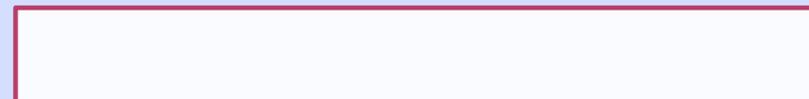
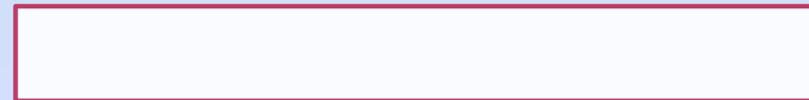
E-Samvaad(2019)

Har Ghar Paathala  
(2020)

Shiksha Saathi  
Mobile App

Pre-Primary Data  
management Platform

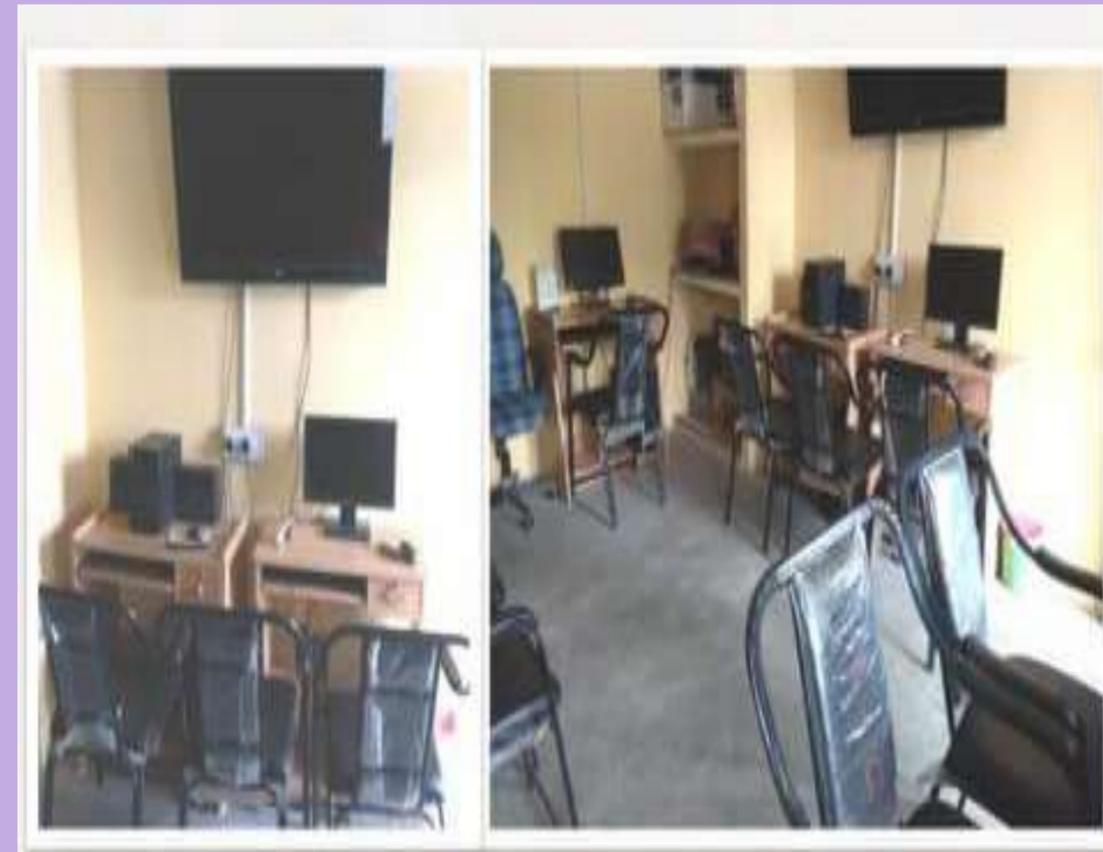
FLN TV



# COMPUTER AIDED LEARNING IN ELEMENTARY SCHOOLS (CAL):2005-06

Computer literacy Programme was first started in 282 Schools spread over all the districts in the State (apprx 17 to 29 schools per Distt). The Schools were provided with minimum 3 **Computers**, 2 **UPS**, 1 **Dot-matrix printer**, 13 **chairs**, 3 **computer tables** and 1 **Black Board**. Besides this Electrical cabling and earthing etc. has also been provided in all the schools. In addition to above Application/Operating Software like MS Windows XP (upgrade), MS Office -2003, MS Studio Dot Net and Encarta Encyclopedia have been provided to all the schools along with media.

Source: <http://samagrashiksha.hp.gov.in/homeContent/62/63/20>



## Information and Communication Technology(ICT) @ School Scheme

- The ICT @ School Scheme was launched in 2010 – 11 in 628 schools to provide opportunities to secondary stage students to mainly build their capacity on ICT skills and make them learn through computer aided learning process.
- Coverage of High and Senior Secondary Schools under ICT.
  - Phase - I : 623 Schools covered during 2010-11.
  - Phase - II: 1514 Schools covered during 2015-16.
  - Phase - III: 418 Schools and 12 DIETs covered during 2022-23 and shall be made functional by March 2023.
- ICT Facility have also been provided in 140 Education Blocks.
- 163 Secondary and 317 Elementary schools were approved under ICT in 2021-22.
- 64 Secondary and 218 Elementary schools were approved under ICT in 2022-23.

# Information and Communication Technology(ICT)

## Samagra Shiksha

- 115 Elementary schools approved under Smart Classrooms in 2021-22
- 1514 Secondary Schools approved under Smart Classrooms in 2021-22
- 616 Secondary schools approved under Smart Classrooms in 2022-23

## Strengthening Teaching-Learning and Results for States(STARS)Project

- 496 (111+385) CRCs covered in 2021-22 and 2022-23.
- 1608 CRCs approved under STARS.
- 8472 GPSs approved under STARS.

# ICT IMPLEMENTATION (SMART CLASSROOMS & LABS)



# E-SAMWAD

- Launched on 29<sup>th</sup> July, 2019
- Initial Objective :To bridge the communication gap between parents and teachers.

## Other features:

- Data for all assessments in 1-12 classes is collected via the app and visualized on an Integrated Assessment Dashboard
- In 2020, during COVID-19, Himachal Pradesh was the only state to digitally collect SA-1 and SA-2 assessment data for all classes.
- Data for 96% students was collected for pre-board exams for 2020.

## Some New Features have been enabled through e - Samwad in 2021-22:

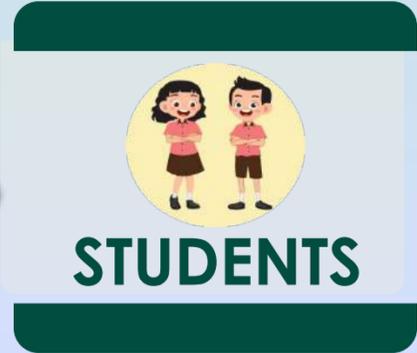
1. Established unique students Id
2. Established unique record of teaching staff through teacher login
3. Direct sharing of DIKSHA content by teachers
4. Geotagged teacher attendance
5. Integrated dashboard to visualize all data at one place

The screenshot displays a PowerPoint slide titled "Frequent SMS(es) of child's education are sent to parents via e-Samwad". The slide features a central image of a smartphone showing a text message from "QP-HPGOVT" in Hindi. Surrounding the phone are six blue ovals connected by yellow arrows, representing various types of SMS alerts: "Vacation dates", "Absent alert on daily basis", "HW non completion alert on weekly basis", "Assessment dates", "Assessment Results", and "SMC Meetings/ Shiksha Samwad". At the bottom of the slide, there are logos for the Government of Himachal Pradesh and the Department of Education. To the right of the slide, a vertical sidebar lists participants: "RMSA", "Umang", a video thumbnail of a woman, another video thumbnail of a group of people, "Amritpal Singh", and a blue square with the letter "N".

# FOR THESE 2 COMPONENTS, DATA FOR A SET OF PARAMETERS EXIST IN OUR SYSTEM

ALL FEATURES IN E-SAMWAD ARE PRESENTLY ORIENTED ON 2 COMPONENTS

1



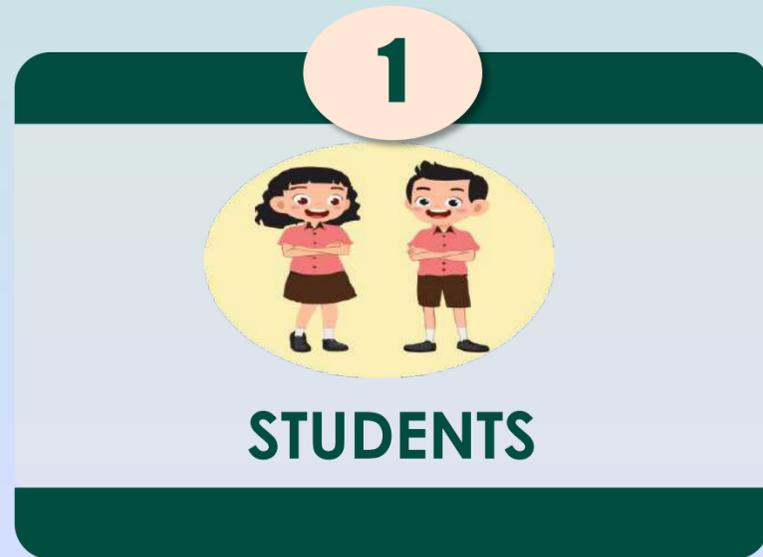
- Parent Contact Details
- Current Grade
- Current School
- Gender
- Social Category
- CWSN Status
- Subjects enrolled
- Assessment wise performance
- Attendance
- Overall Class Level LO Mastery
- Unique Identifier (Student ID)

2



- UDISE
- Geo-data
- Session
- Category
- Active Status
- Current Enrolment

# THE DATA POINTS IN THE SYSTEM ARE COLLATED VIA VARIOUS FEATURES



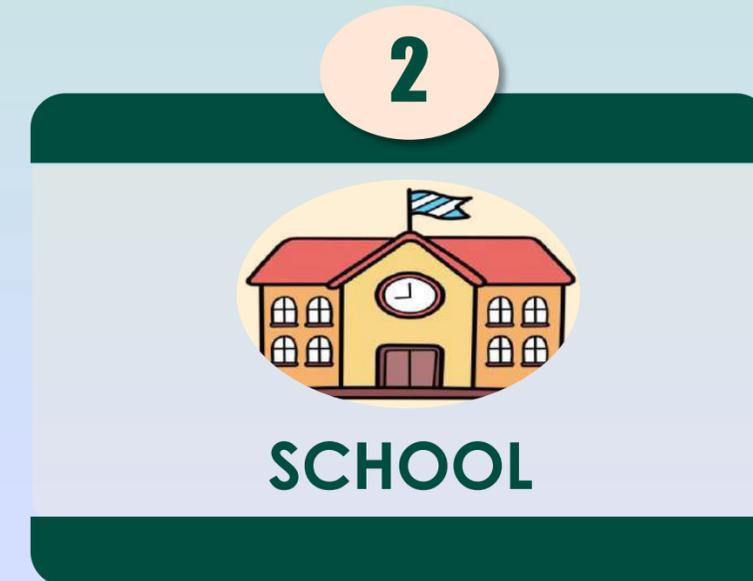
Student Registration

Assessment Data  
Collection

Student Attendance

SMS to Parents

17



Add/Update Schools

Deactivate Schools

# THE APP HAS ENTRENCHED WITH STRONG FAMILIARITY OF USAGE ACROSS THE STATE

- 1 | **8,12,813 students registered across 15,330 (99.6%) schools**

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- 2 | **~98% schools uploaded SA-2 Assessment Data for Academic Year 2020-21**

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- 3 | **96% schools uploaded Pre-Board (10 & 12) Assessment Data for Academic Year 2020-21**

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- 4 | **~70% adoption in student attendance within 2 weeks of feature launch**

## CURRENTLY 7 USE CASES ARE ENABLED BY THE APP FOR THE STATE



Establishing a record of all the students in the state



Tracking current enrolment across state



Establishing communication with parents for generic info updates



Tracking Student Attendance

19



Tracking students' Assessment Performance and School level LO Mastery data



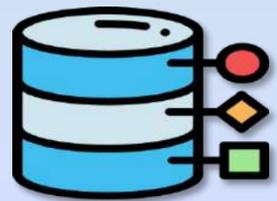
Tracking school Level compliance in app adoption and usage



# E-SAMWAD CAN BE ENHANCED TO ENABLE EIGHT ADDITIONAL USE CASES



**Tracking of student enrolment history and its academic journey**



**Record of teaching staff to enable student-teacher-school linkages**

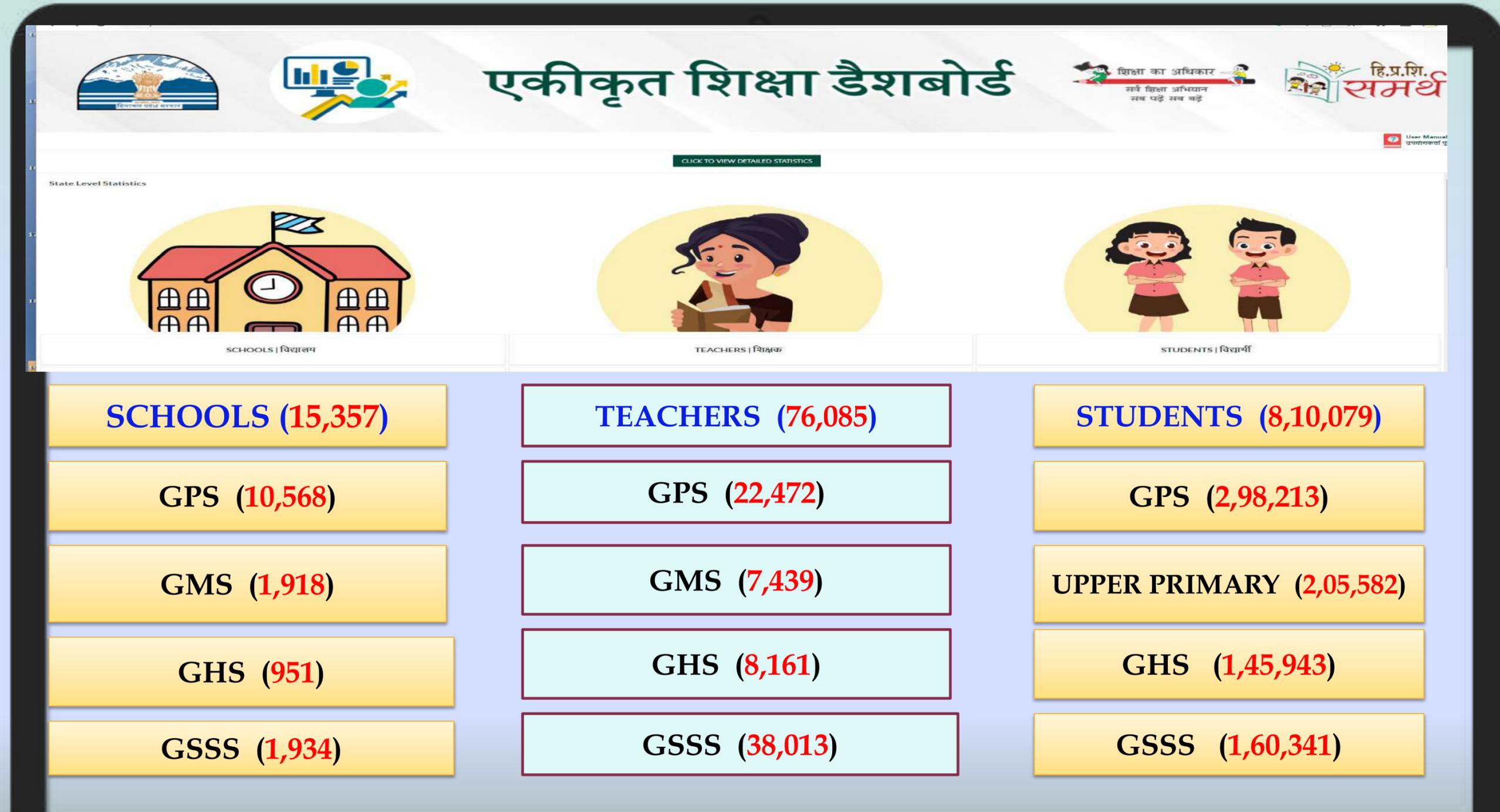


**Direct sharing of personalized learning content with students (Integration with DIKSHA)**



**Online reports and records for teachers to enable anytime available records**

# ALL CURRENT & PLANNED USE-CASES WILL BE VISUALISED WITH INTEGRATED DASHBOARD



# ALL CURRENT & PLANNED USE-CASES WILL BE VISUALISED WITH INTEGRATED DASHBOARD

The dashboard features a yellow header with the following elements:

- Logo:** हिमाचल प्रदेश सरकार (Himachal Pradesh Government)
- Title:** INTEGRATED EDUCATION DASHBOARD / एकीकृत शिक्षा डैशबोर्ड
- User Info:** Welcome , spd\_office, Update Profile : LOGOUT

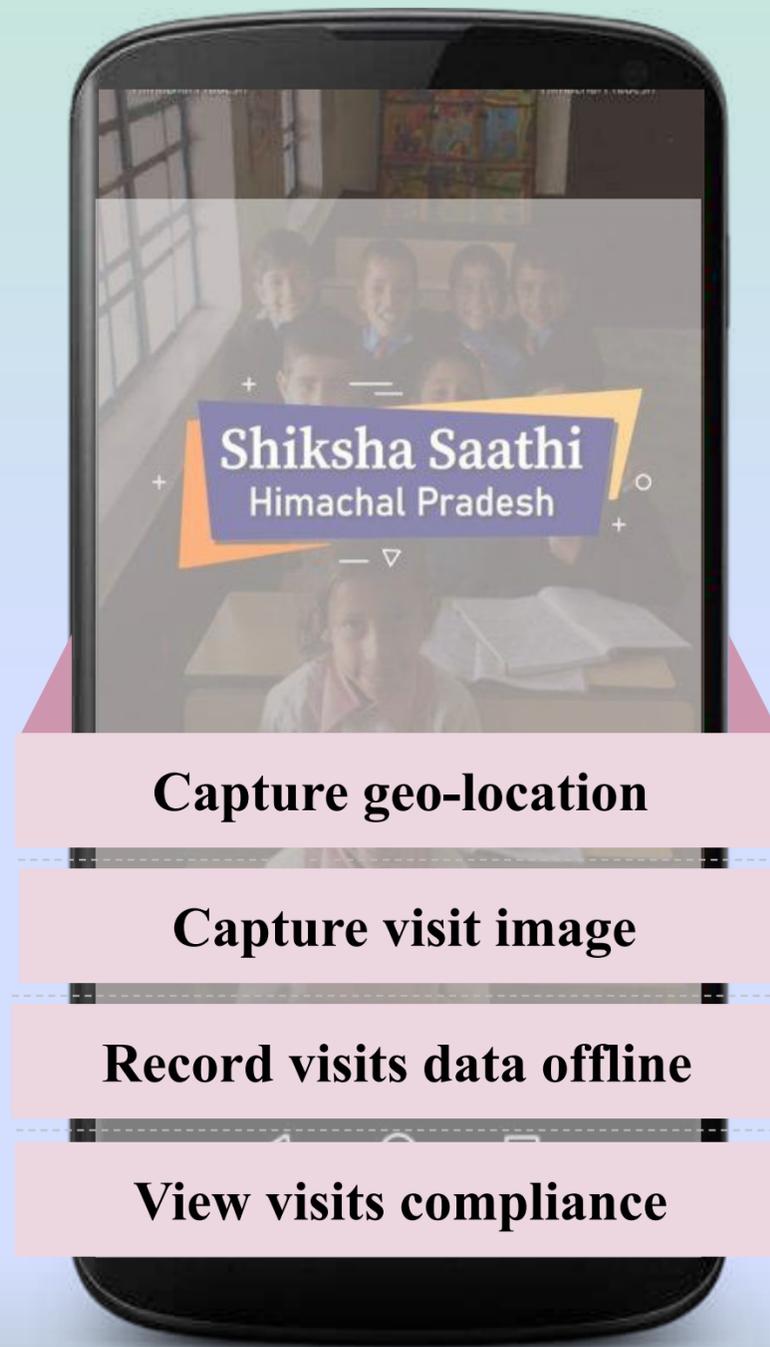
The main content area is organized into three rows based on user roles:

- SCHOOLS (विद्यालय):**
  - Statistics (आंकड़े)
  - School Performance (विद्यालय प्रदर्शन)
- STUDENTS (विद्यार्थी):**
  - Enrolment (नामांकन)
  - Attendance (उपस्थिति)
  - Learning (उपस्थिति)
  - Assessments (आकलन)
- TEACHERS (शिक्षक):**
  - Statistics (आंकड़े)
  - Attendance (उपस्थिति)

At the bottom, there are logos for 'शिक्षा का अधिकार' (Right to Education) and 'वि. ए. ए. सि.' (V. A. E. Si.).

# SHIKSHA SAATHI MOBILE APP

Shiksha Saathi mobile app is used for school observation visits and mentoring visits



## Key visit activities

- 1 School Head Interaction**
- 2 School Observation**
- 3 Live class observation**
- 4 Student assessment**
- 5 Teacher interaction**

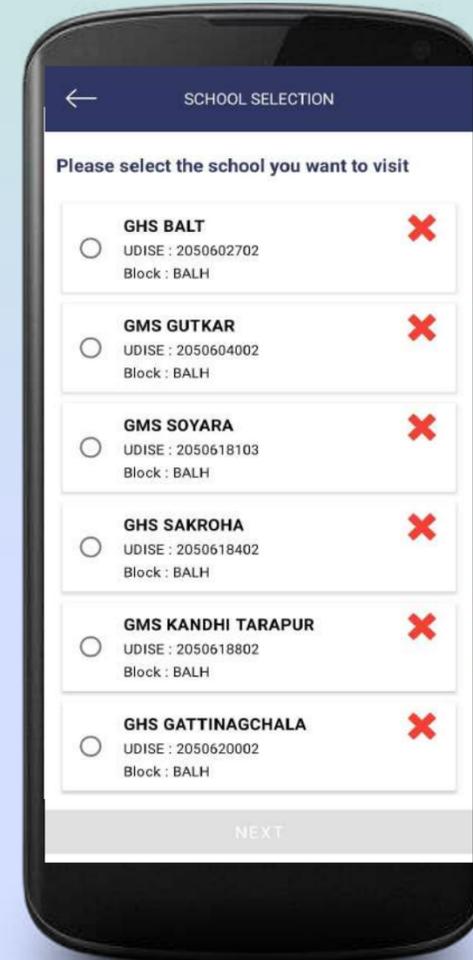
Focus on driving quality learning & providing support to teachers through monitoring visits

# OVERVIEW OF SHIKSHA SATHI APP

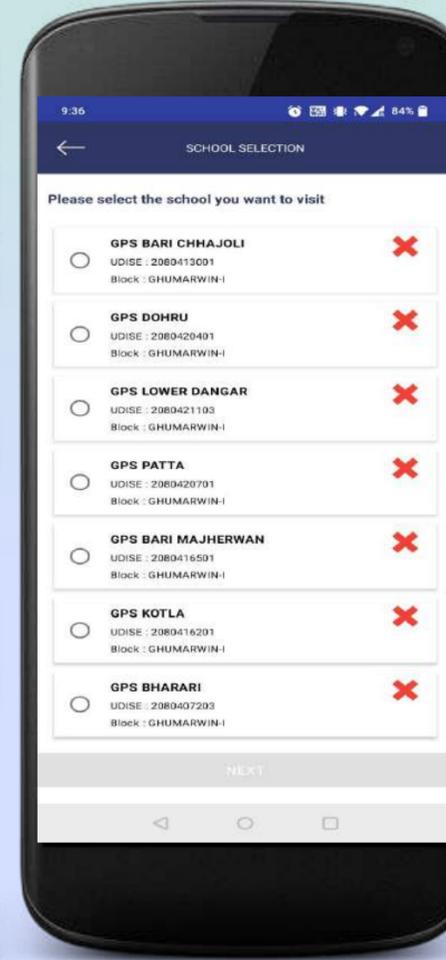


Shiksha Sathi Mobile Application is for digitally recording the monthly school visits conducted by the different stakeholders across all levels in the state.

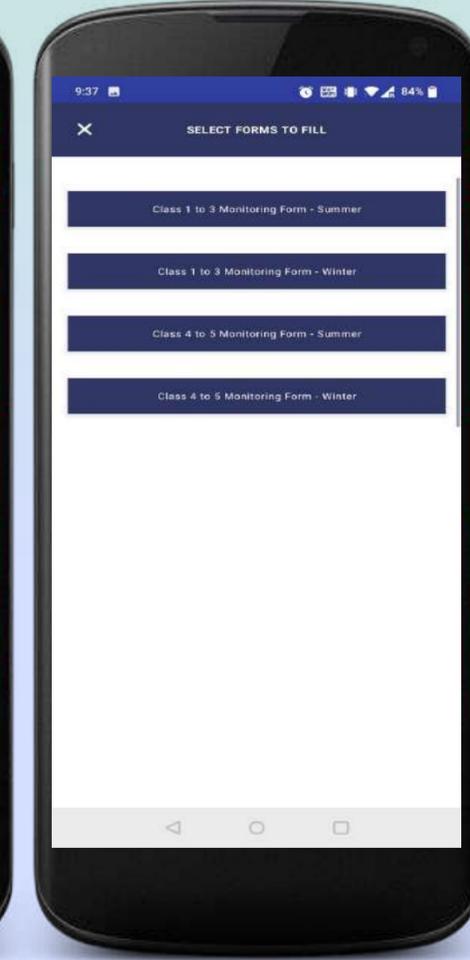
- The data recorded on the application is analyzed and relevant action is taken to resolve issues identified in schools.
- Shiksha Saathi is now the primary application for driving school monitoring visits by over 1,000 monitors across Himachal Pradesh



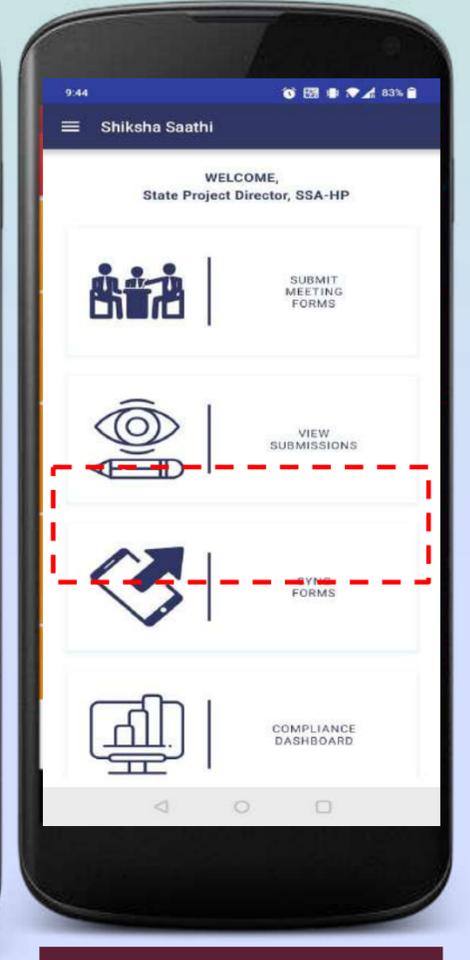
Illustrative mapping of schools for a CRCC



Officer Level Mapped Schools



Role Based Access to Observation Forms



Offline Support

# THE APP ALSO ALLOWS OFFICIALS TO RECORD THEIR MONTHLY REVIEWS BY UPLOADING NECESSARY DOCS

	Review	Chair	Participants	Frequency	Mode
<b>State</b>	State Review Meeting (SRM)	Secretary	<u>State leadership:</u> SPD, DHE, DEE, SCERT Chairperson, Nodal officers (R&M) <u>District leadership:</u> DPOs, DDEEs, DDHEs, DD-ICs	Quarterly	VC
<b>District</b>	State Review Meeting (SRM)	SPD	<u>State leadership:</u> Nodal officers (R&M) <u>District leadership:</u> DPOs, DDEEs, DDHEs, DD-ICs	Monthly	VC/SPO
<b>District</b>	District Review Meeting (DRM)	DPO/DD EE/DDHE	<u>District leadership:</u> DDHE, DDEE, DDIC <u>Block leadership:</u> BPOs, BRCCs, BEEOs	Monthly	VC/DIETs
<b>Block</b>	Block Review Meeting (BRM)	BRCC (P/UP)	<u>Cluster leadership:</u> CRCC (P) <u>School leadership:</u> School heads, Head teachers	Monthly	VC/BRCs

# THE APP ALSO TRACKS COMPLIANCE OF QUALITY REVIEW MEETINGS AT DISTRICT AND BLOCK LEVEL

**Officials upload the following documents on the app:**



**Meeting agenda**



**Performance slides basis data Dashboards**

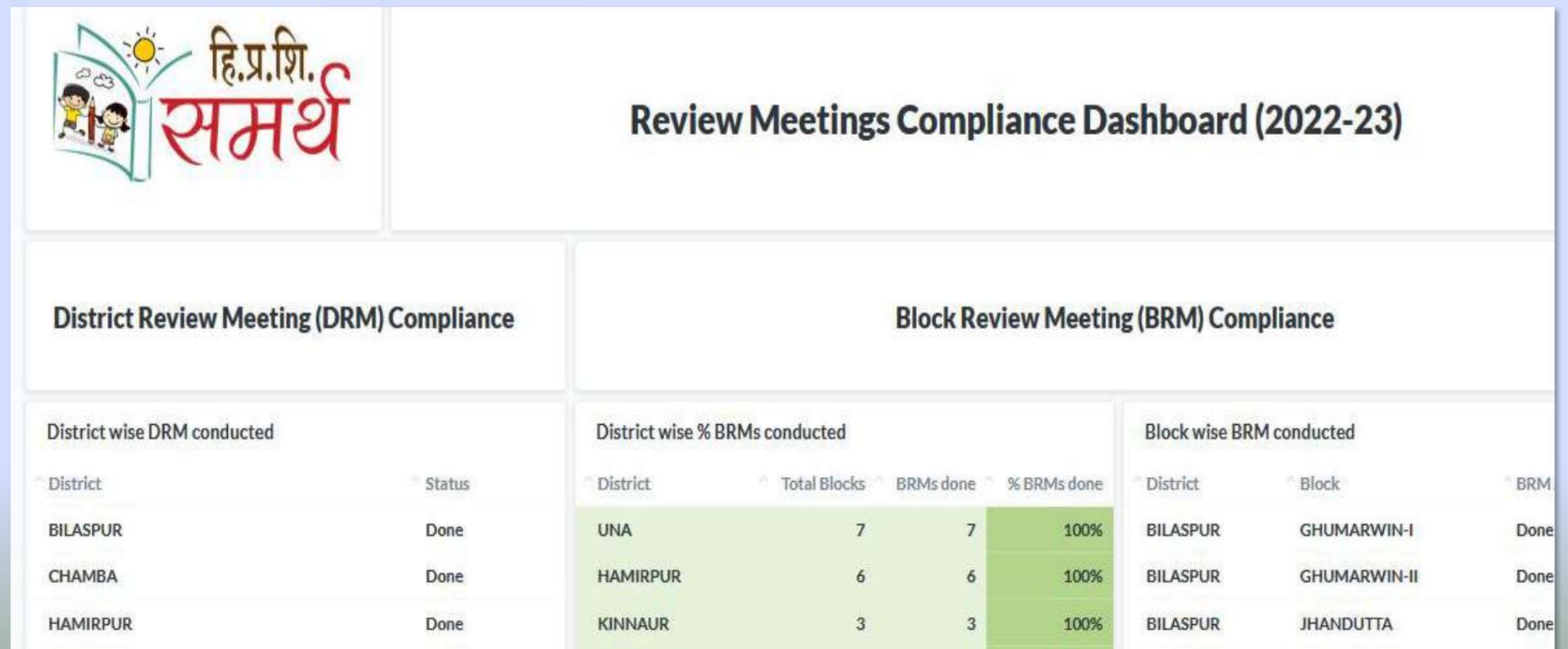


**Minutes of Meeting**



**Meeting feedback form**

# VISIT & REVIEW MEETING COMPLIANCE DATA ARE VISUALIZED IN PUBLIC DASHBOARDS



# HAR GHAR PATHSHALA | हर घर पाठशाला

HP.Govt.has launched Har GharPathshala programme to provide students with learning resources at their home during the lockdown period

समय दस से बारह वाला  
हर घर बने पाठशाला



Campaign for Pre-Primary (Karona, Thodi Masti, Thodi Padhai)

The Himachal Pradesh government has also started a campaign for young children in the age group of 3-5 named Karona, Thodi Masti, Thodi Padhai.

- The e-content is disseminated by the State Project Office (Samagra Shiksha) to children through BRCC and further by teachers.
- Students go through the material (video) and solve the worksheet in their notebook and send the picture of the solved worksheet back to their teachers.
- In return, teachers give feedback to the children.

# OVERVIEW OF HAR GHAR PATH SHALA

STUDY MATERIAL

PRACTICE PAPERS

INCLUSIVE EDUCATION

PRATIBHA UTSAV

SCHOOL HEALTH AND WELLNESS

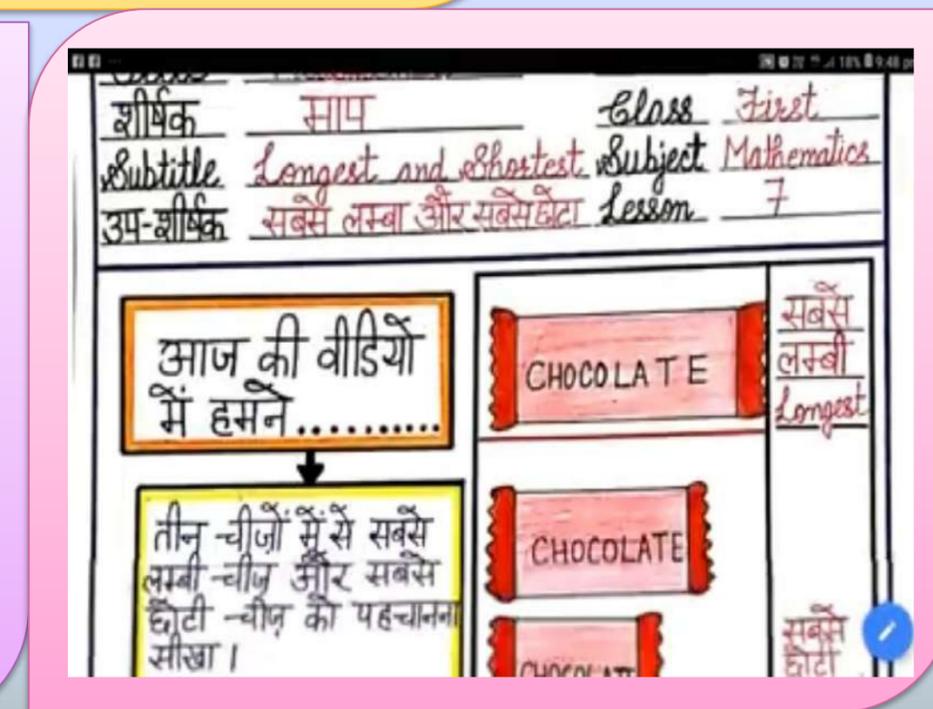
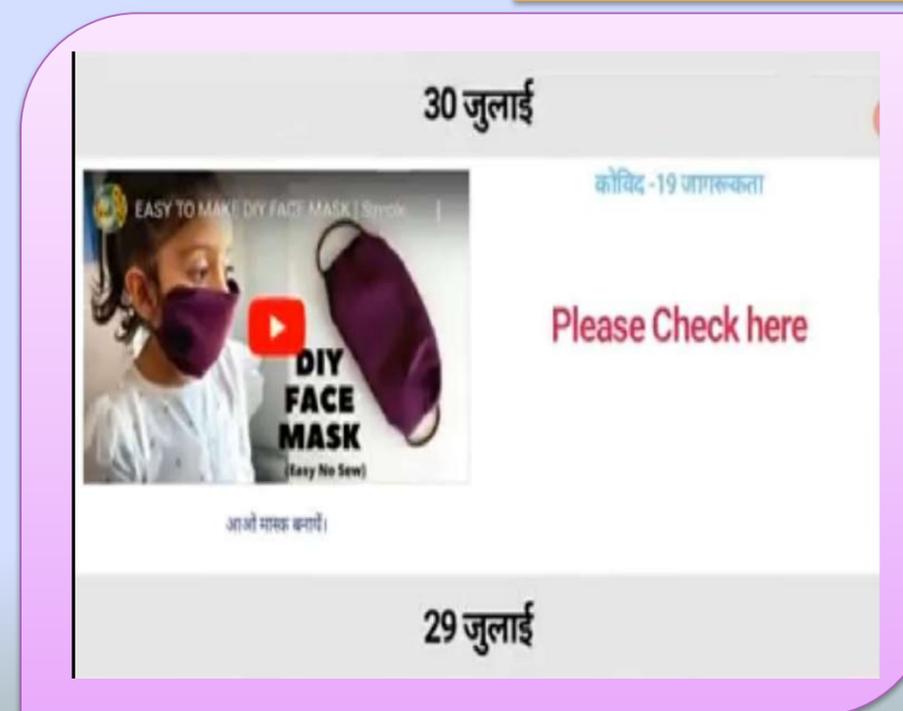
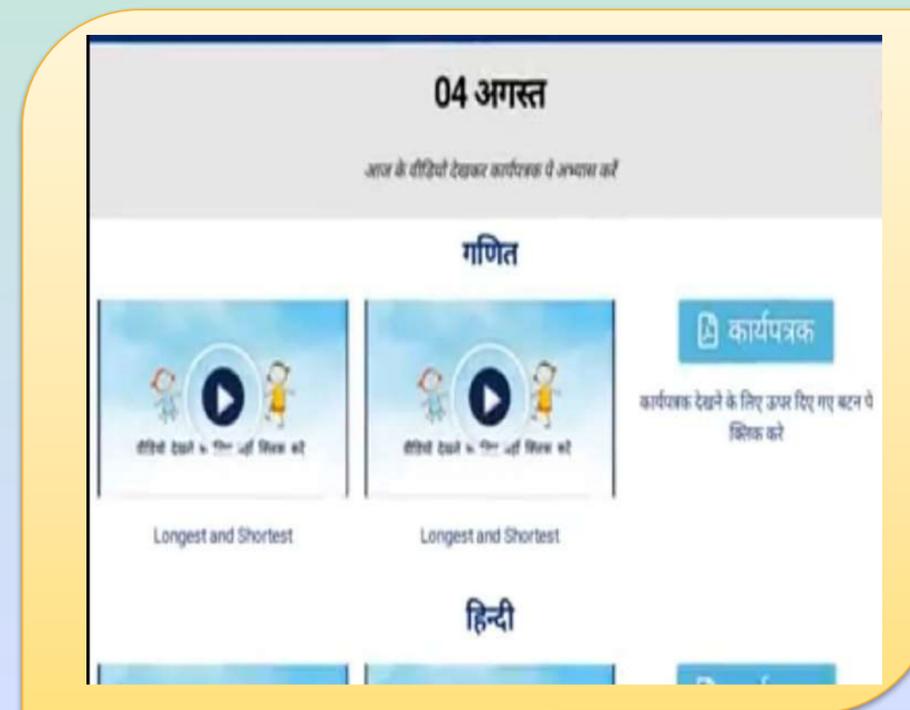
MONITORING

DASHBOARD

HELP SECTION

TEACHER COURSES

THE TEAM



# BEST PRACTICES IN ICT

## NEW AGE TECHNOLOGY CLASSROOM

Government of Himachal Pradesh's State unit of Samagra Shiksha and an leading NGO that focuses on primary education, have partnered to provide Smartboards and IFPDs in all the primary schools with an objective to transform government schools into **smart classrooms**, **enhance learning outcomes of primary and upper primary children** in all the government schools of the **12 districts in the hill state**



**New Technology Classrooms** with in selected **111 Government Primary Schools** of Himachal Pradesh.



## E-BLENDED LEARNING

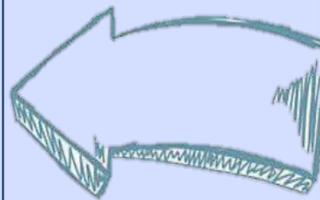
**Samagra Shiksha Himachal Pradesh** introduces innovative **New Age Technology Classrooms** with **FLN TV** that **enforces interactive learning inside the classroom.**

**2100 IFPD TV** sets for the program are being provided by the state government



# 1: PRE PRIMARY DATA MANAGEMENT PLATFORM

This site will be helpful for viewing school level data. Analysis of block, district and state level data for different categories as well as to develop and disseminate reports at different levels



The screenshot displays the website for HP Pre-Primary Education. The header includes the logo and navigation links: Home, About Pre-Primary, Program Launch, Training, Registration, Content, and More. The main banner features a photograph of children playing with toys, overlaid with the text "Pre-Primary Data Management Platform 2021-22 & 2022-23". Below the banner, there are two main sections: "Child Centric Data ( बच्चे से सम्बंधित आँकड़े )" and "Admissions in Pre-Primary Classes for 2022-2023". The bottom section contains three buttons: "Admission Portal -Video", "Upload Child Admission data for 22-23", and "Admission Dashboard 22-23". Each button has a corresponding description in Hindi.

HP Pre-Primary Education

Home About Pre-Primary Program Launch Training Registration Content More

Pre-Primary Data Management Platform  
2021-22 & 2022-23

Child Centric Data ( बच्चे से सम्बंधित आँकड़े )

Admissions in Pre-Primary Classes for 2022-2023

Admission Portal -Video

Upload Child Admission data for 22-23

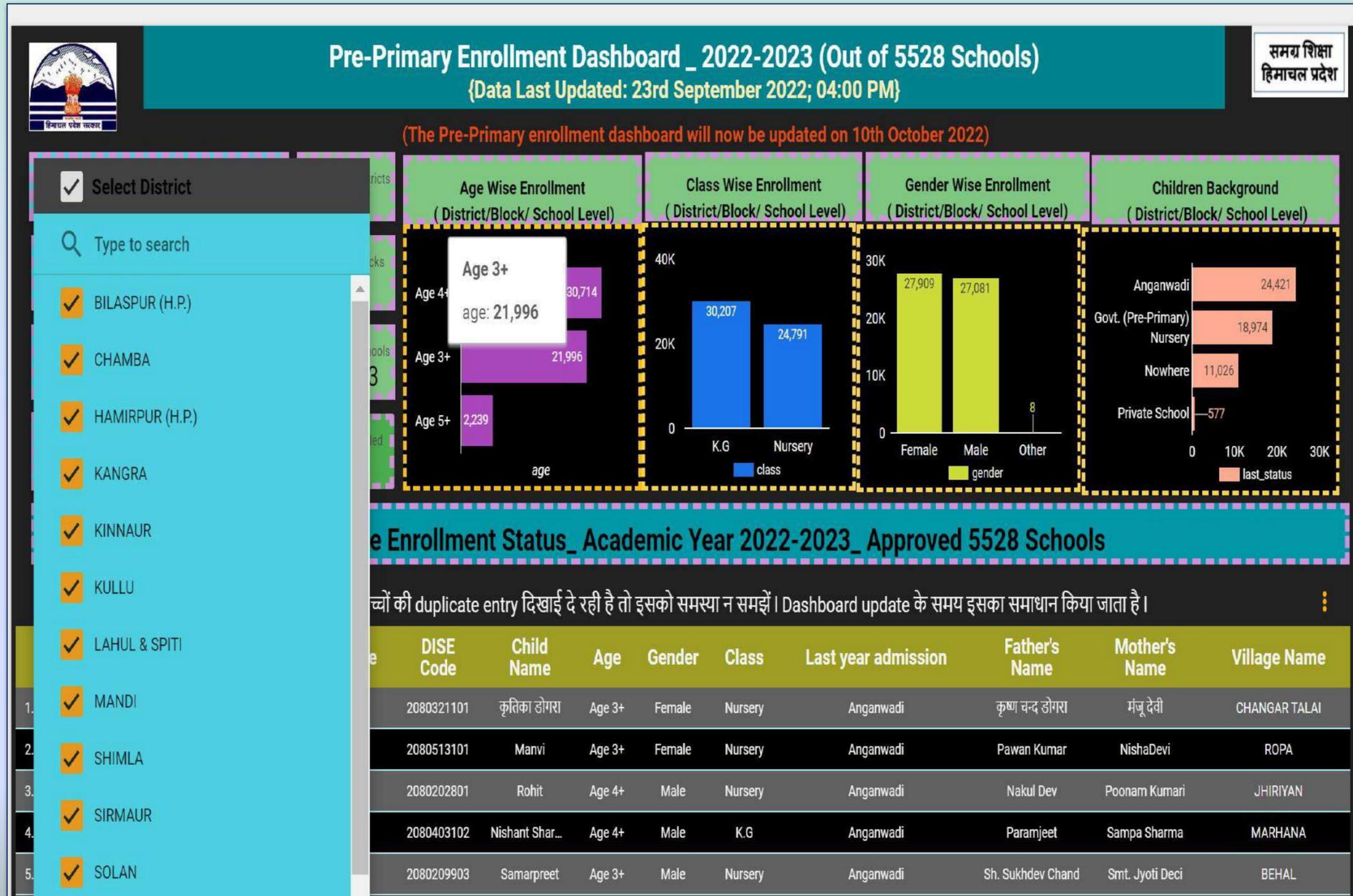
Admission Dashboard 22-23

एडमिशन पोर्टल पर बच्चे की एडमिशन का डाटा (2022-2023) कैसे भरें ? यह जानने के लिए ऊपर दिए गये विडियो लिंक पर क्लिक करें।

वर्ष 2022-2023 के लिए नर्सरी तथा के० जी० कक्षा में नामांकित हो रहे बच्चों के नामांकन से सम्बंधित आंकड़ों को ऊपर दिए गये लिंक पर अपडेट करें।

वर्ष 2022-2023 में नर्सरी तथा के०जी० कक्षाओं में नामांकित हो रहे बच्चों से सम्बंधित आंकड़ों को डैशबोर्ड पर देखें।

# PRE PRIMARY ENROLLMENT DASHBOARD



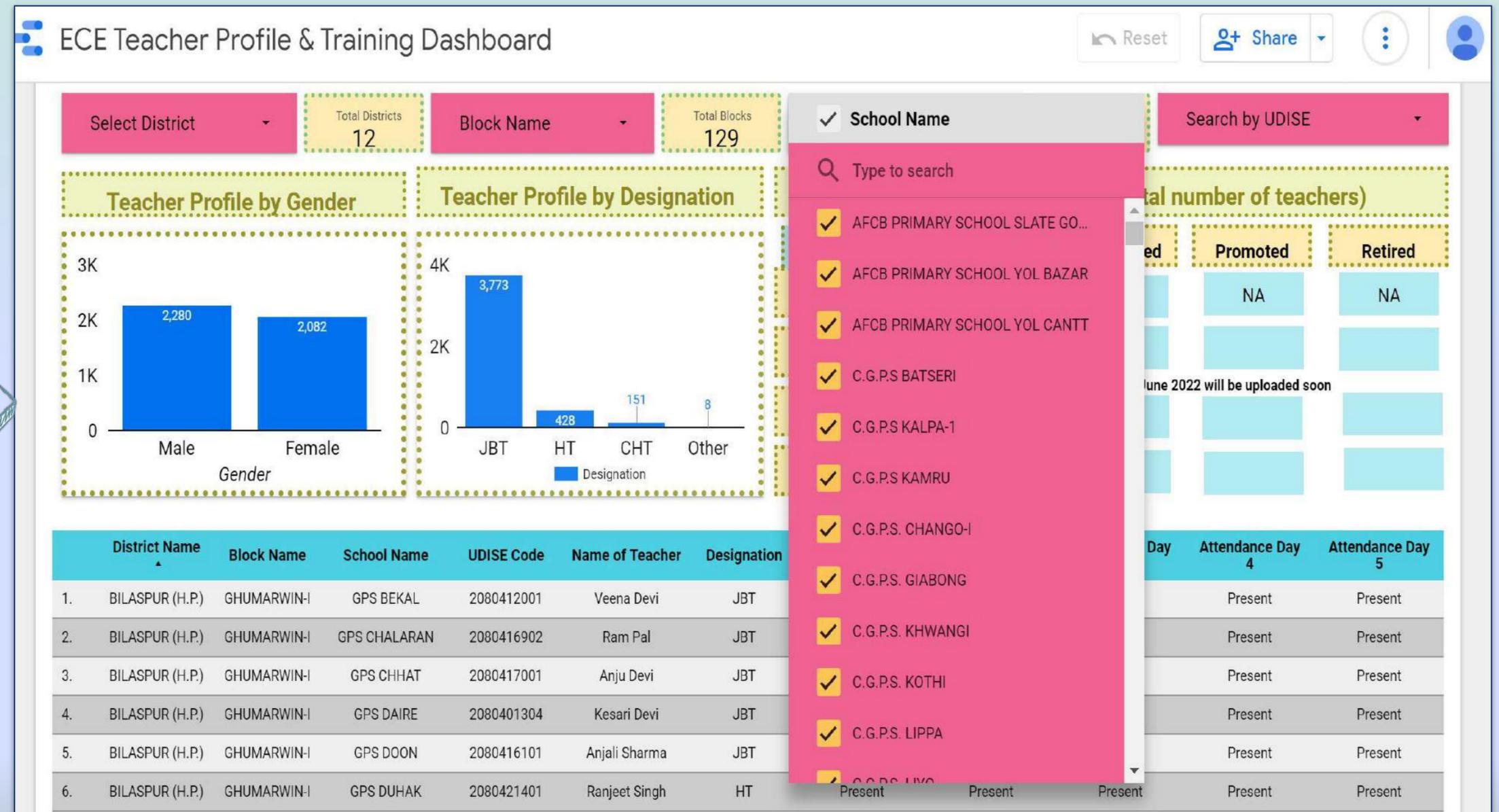
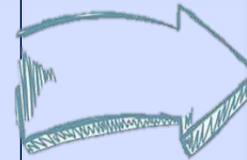
## Child Centric Data

- Admission Data and Dashboards, Assessment Data/Dashboard
- Child profiling, Monitoring data

# ECE TEACHER PROFILE & TRAINING DASHBOARD

## Teacher Centric Data

- Teacher Profiling Data,
- Teacher Training Data



# PRE PRIMARY DATA MANAGEMENT PLATFORM

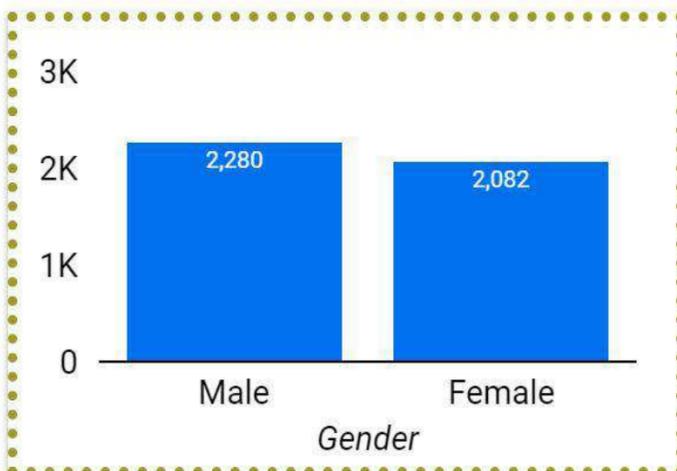


## ECE Teacher Profile & Training Attendance Dashboard \_2022-2023

समग्र शिक्षा  
हिमाचल प्रदेश

Select District Total Districts 12 Block Name Total Blocks 129 School Name Total Schools 4,047 Search by UDISE

### Teacher Profile by Gender



### Teacher Profile by Designation



### Present Status of Teacher (Total number of teachers)

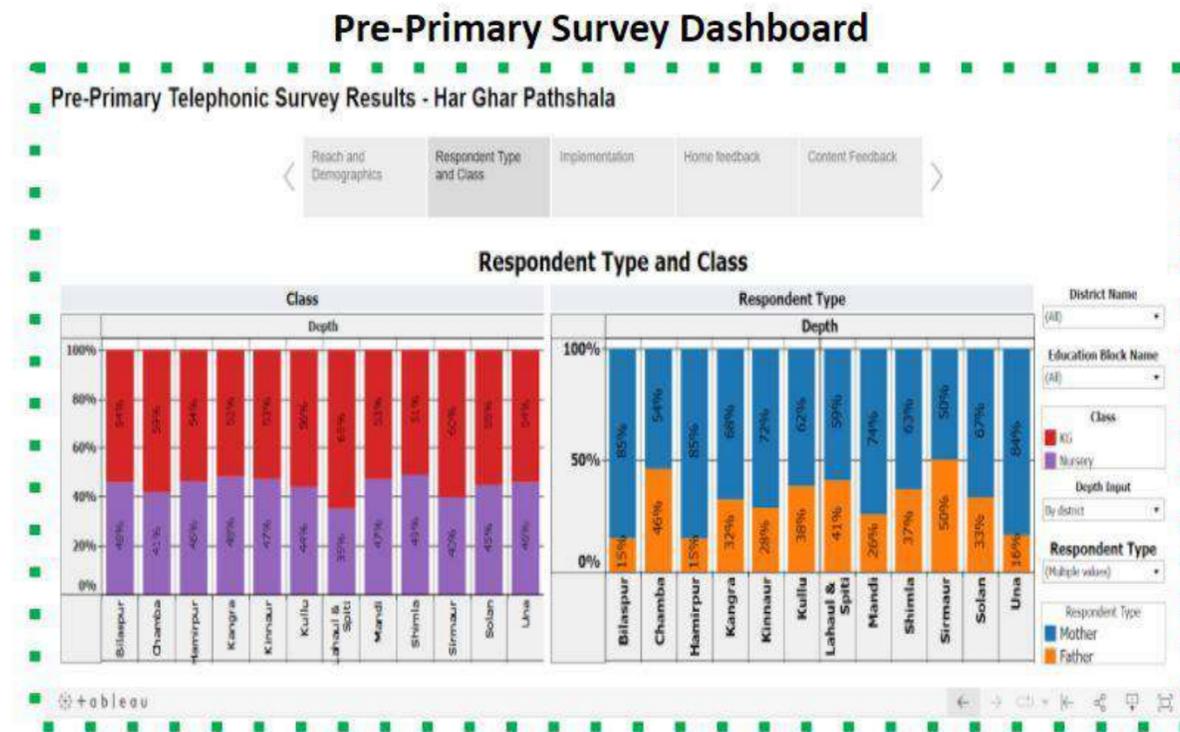
Month	Active	Transferred	Promoted	Retired
January 2022	4,241	NA	NA	NA
June 2022	Teacher profile data for June 2022 will be uploaded soon			
October 2022				
February 2023				

District Name	Block Name	School Name	UDISE Code	Name of Teacher	Designation	Attendance Day 1	Attendance Day 2	Attendance Day 3	Attendance Day 4	Attendance Day 5
1. BILASPUR (H.P.)	GHUMARWIN-I	GPS BEKAL	2080412001	Veena Devi	JBT	Present	Present	Present	Present	Present
2. BILASPUR (H.P.)	GHUMARWIN-I	GPS CHALARAN	2080416902	Ram Pal	JBT	Present	Present	Present	Present	Present
3. BILASPUR (H.P.)	GHUMARWIN-I	GPS CHHAT	2080417001	Anju Devi	JBT	Present	Present	Present	Present	Present
4. BILASPUR (H.P.)	GHUMARWIN-I	GPS DAIRE	2080401304	Kesari Devi	JBT	Present	Present	Present	Present	Present
5. BILASPUR (H.P.)	GHUMARWIN-I	GPS DOON	2080416101	Anjali Sharma	JBT	Present	Present	Present	Present	Present

# PRE PRIMARY DATA MANAGEMENT PLATFORM

Pre-Primary Survey Results can be accessed through below shared Dashboard Link

[https://public.tableau.com/app/profile/alekhya1015/viz/HPPrePrimarySurveyResults\\_Nov21/Story1?publish=yes](https://public.tableau.com/app/profile/alekhya1015/viz/HPPrePrimarySurveyResults_Nov21/Story1?publish=yes)



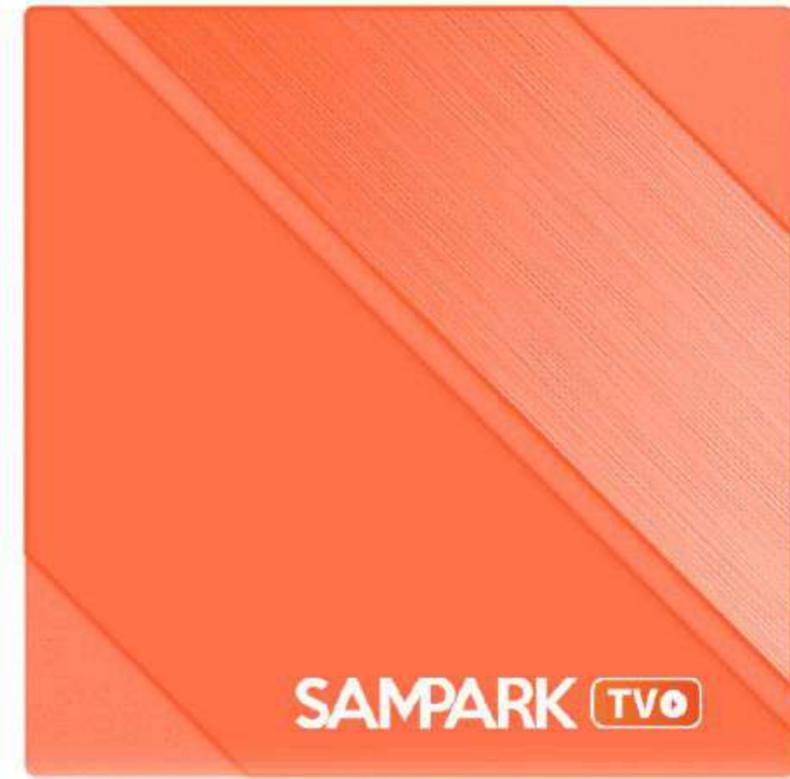
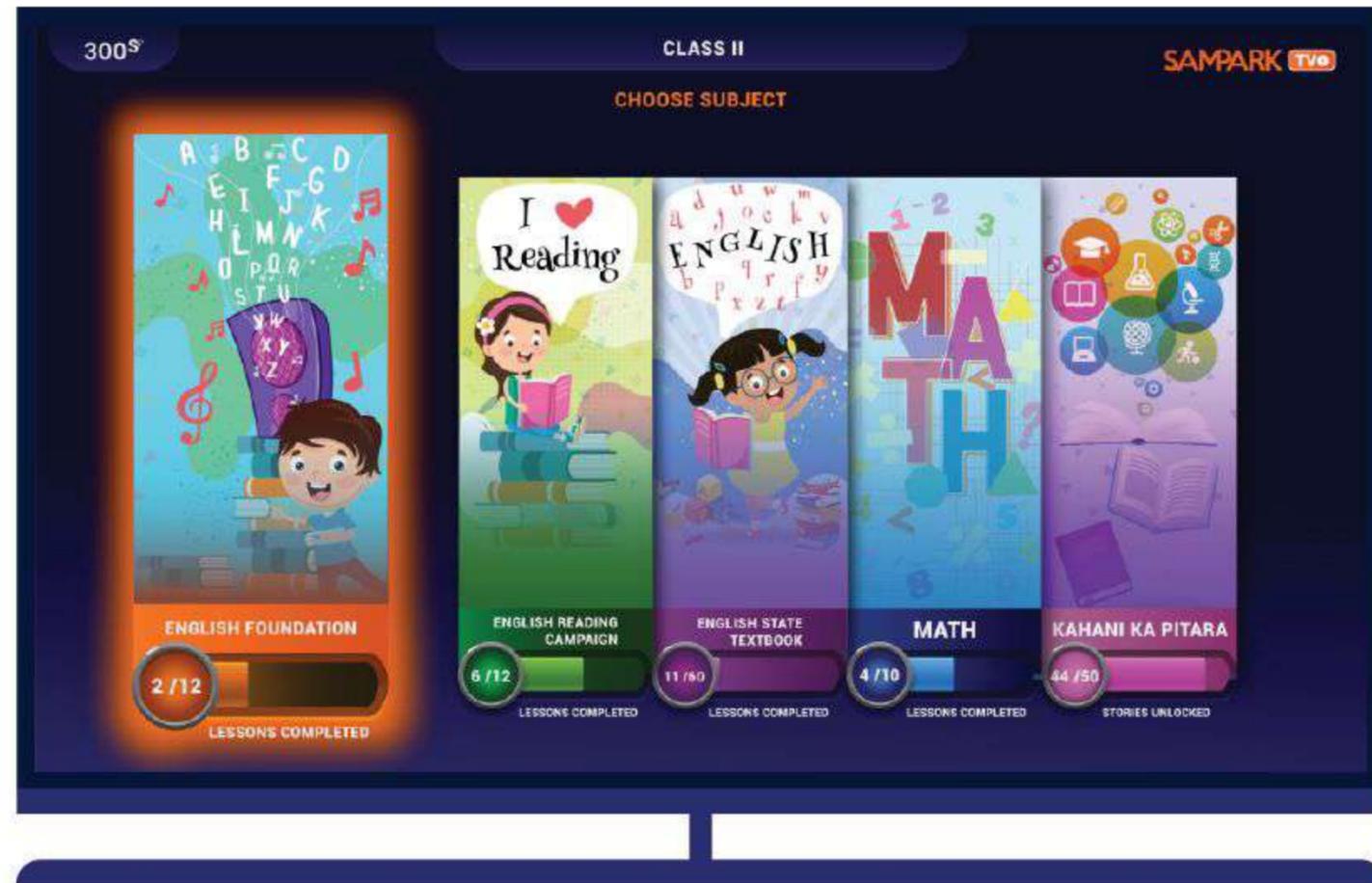
Community Engagement Data

- Impact study survey.

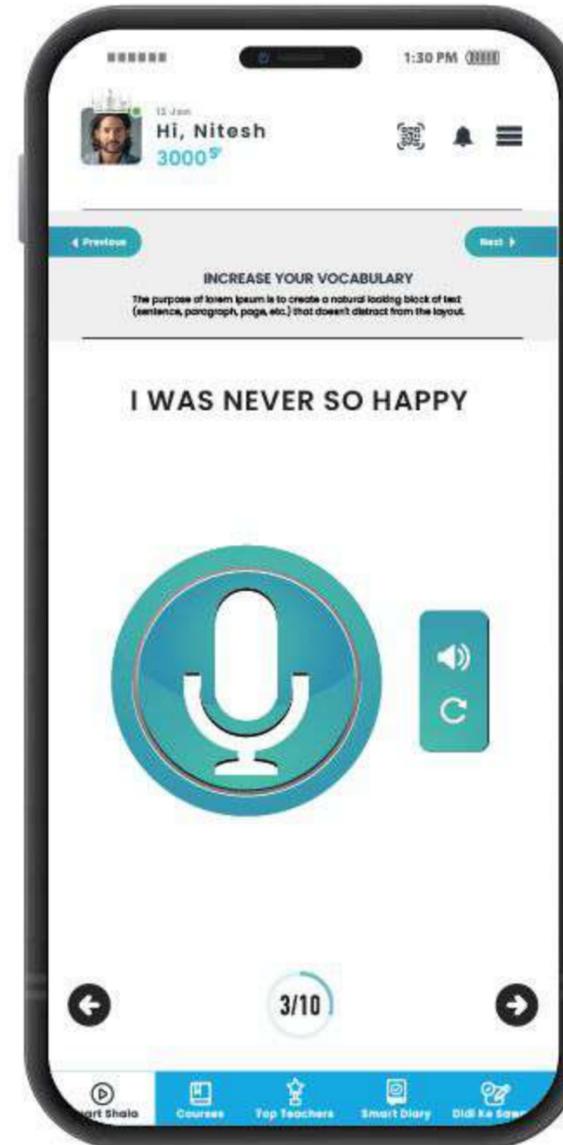
# Achieving Foundational Literacy and Numeracy: An Innovative approach – STV (An Experience Based Approach)

- Samgra Shiksha Himachal Pradesh has been working with Sampark Foundation from 2018 with over 10,000 schools and **contributed to NIPUN guidelines** based on its on-ground experience.
- Samgra Shiksha Himachal with the help of Sampark Foundation has provided 111 Sampark TV devices (boxes) in selected schools. This device works just as set top box in our home and doesn't need internet connectivity to play. It has text book based videos, lesson plans, worksheets and assessment which makes it a full package for learner.
- The device contains the content in English, math and Science subjects
- Sampark Foundation has provided the set top box free of cost and will also provide the Sampark TV devices to all the schools wherever the TV is available in phase manner
- We are here highlighting the **innovative approach and pedagogy** to build the foundational skills in English , that is aligned to NEP'2020 and NIPUN BHARAT Guidelines. Further show how the STV device teaches a learner in step by step approach.

# INNOVATION IN EDUCATION TECHNOLOGY

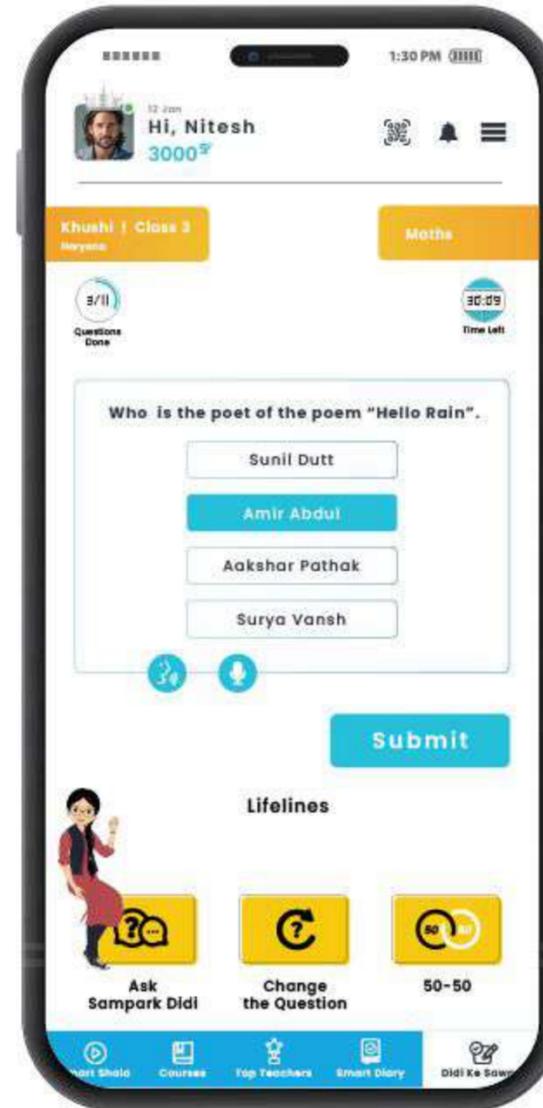
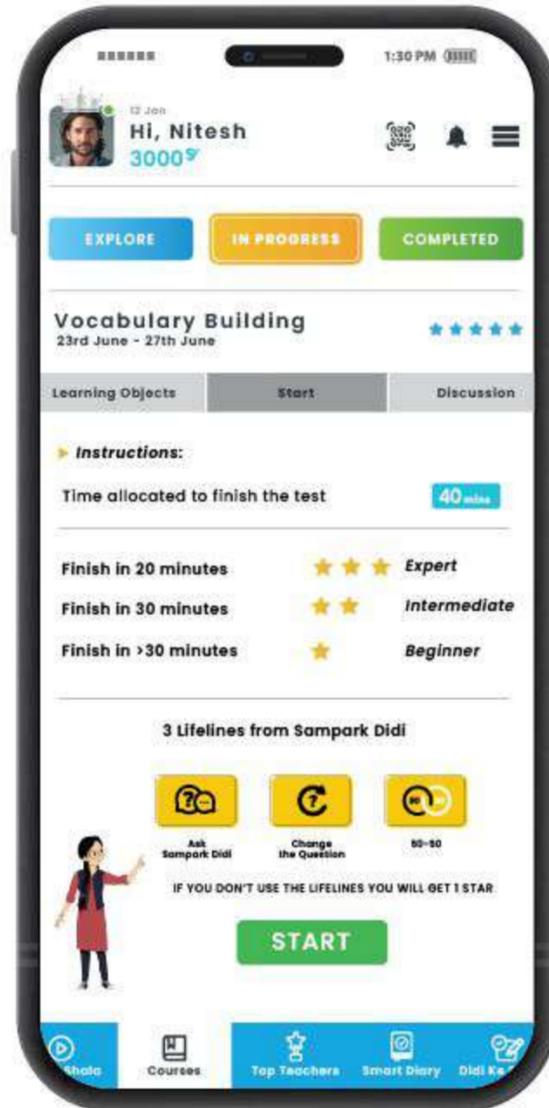


# INNOVATION IN EDUCATION TECHNOLOGY



## 8 SPEAK ENGLISH & HINDI

# INNOVATION IN EDUCATION TECHNOLOGY



## 9 GAMIFIED ASSESSMENTS

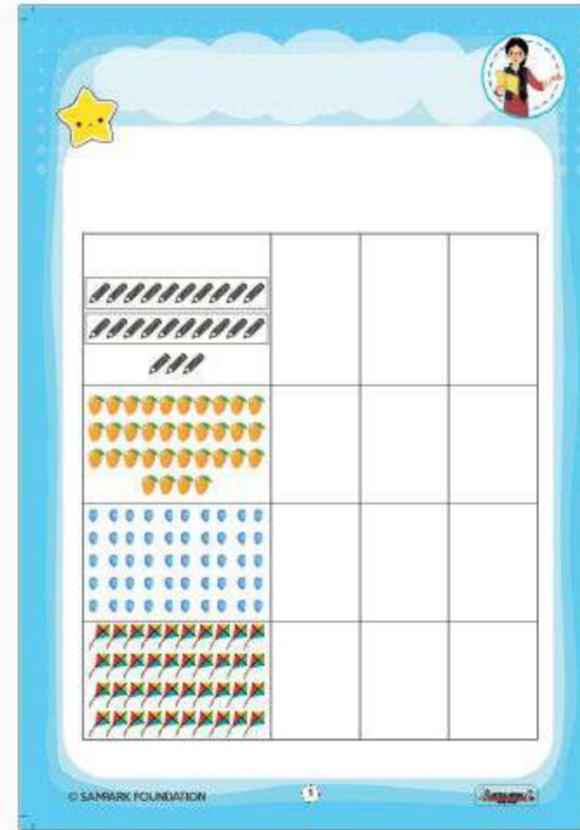
# INNOVATION IN CHILD OUTREACH THROUGH WHATSAPP



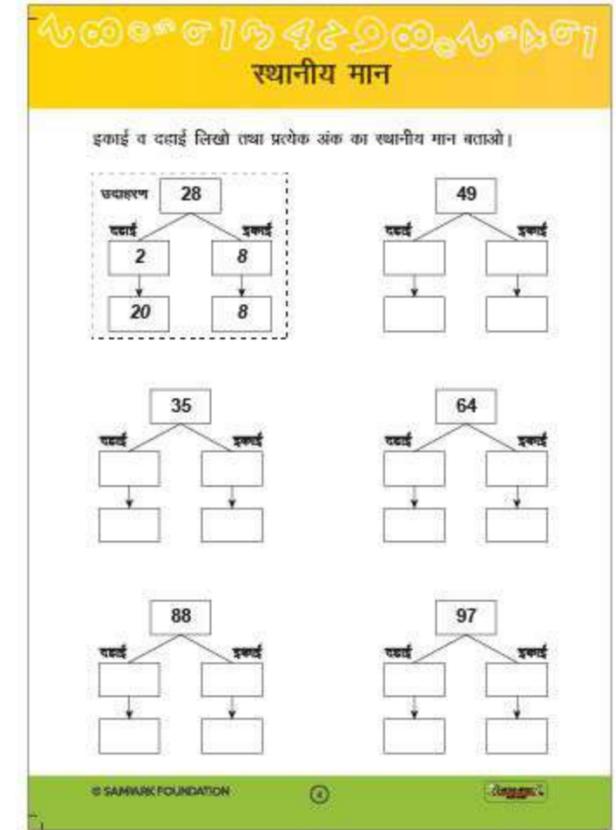
10 LESSON VIDEOS



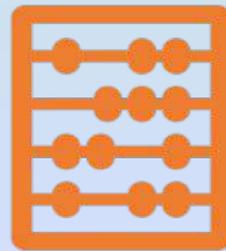
11 CHAT BOT



12 WORKSHEETS



**To achieve the vision of NIPUN Bharat, the FLN English Program has been thoughtfully designed in two steps :**



**STEP 1:**

## **Foundational English Skill Program**

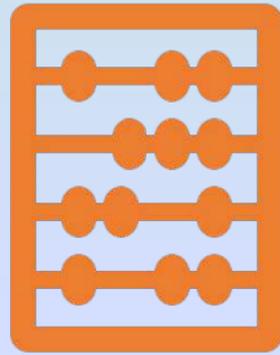
**Bilingual approach to teach  
foundational skills through  
LSRW**



**STEP 2:**

## **Advance English Skill Program**

**Making textbooks come alive by  
adding Listening and Speaking to  
them.**



**STEP 1:**

# **Foundational English Skill Program**

**Bilingual approach to teach foundational skills  
through LSRW**

# 1. Foundational English Program : 6 STEPS

**Sampark Smart Shala Foundational English Skill Program Lesson Plans are structured into 6 steps based on LSRW & Phonics approach.**

- 1. Listen through stories** - Vocabulary Building through bilingual stories with emphasis on Listening & Speaking
- 2. Speak through English rhymes** based on these themes and using same words
- 3. Practice through Activities** using SSS English Kit
- 4. Read & Write** using Multimedia Workbook
- 5. Assess** using Sampark Didi ke Sawal which is a gamified assessment.
- 6. Track through Progress Chart:** helps develop outcome-oriented learning plans.

# Foundational English Skills: The Right Sequence



**Stage 1: English Vocabulary Building**



**Stage 2: Recognition of English letters/ Alphabet**



**Stage 3: Sounds of English letters (Alphabet**



**Stage 4: Sounds of letters (Phonic Sounds)**



**Stage 5: Forming words using Phonic Sounds (Phonic Words)**



**Stage 6: Sight Words and Sentence Making**

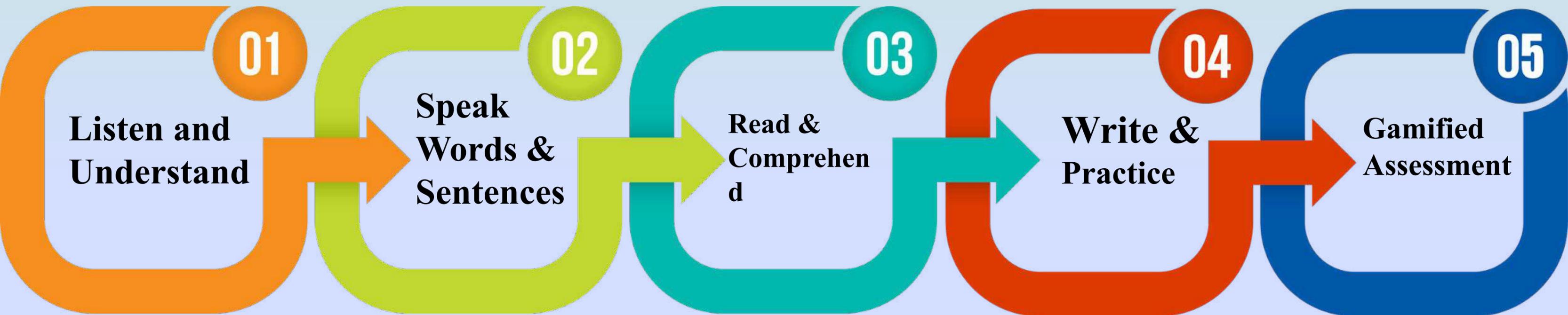


**STEP 2:**

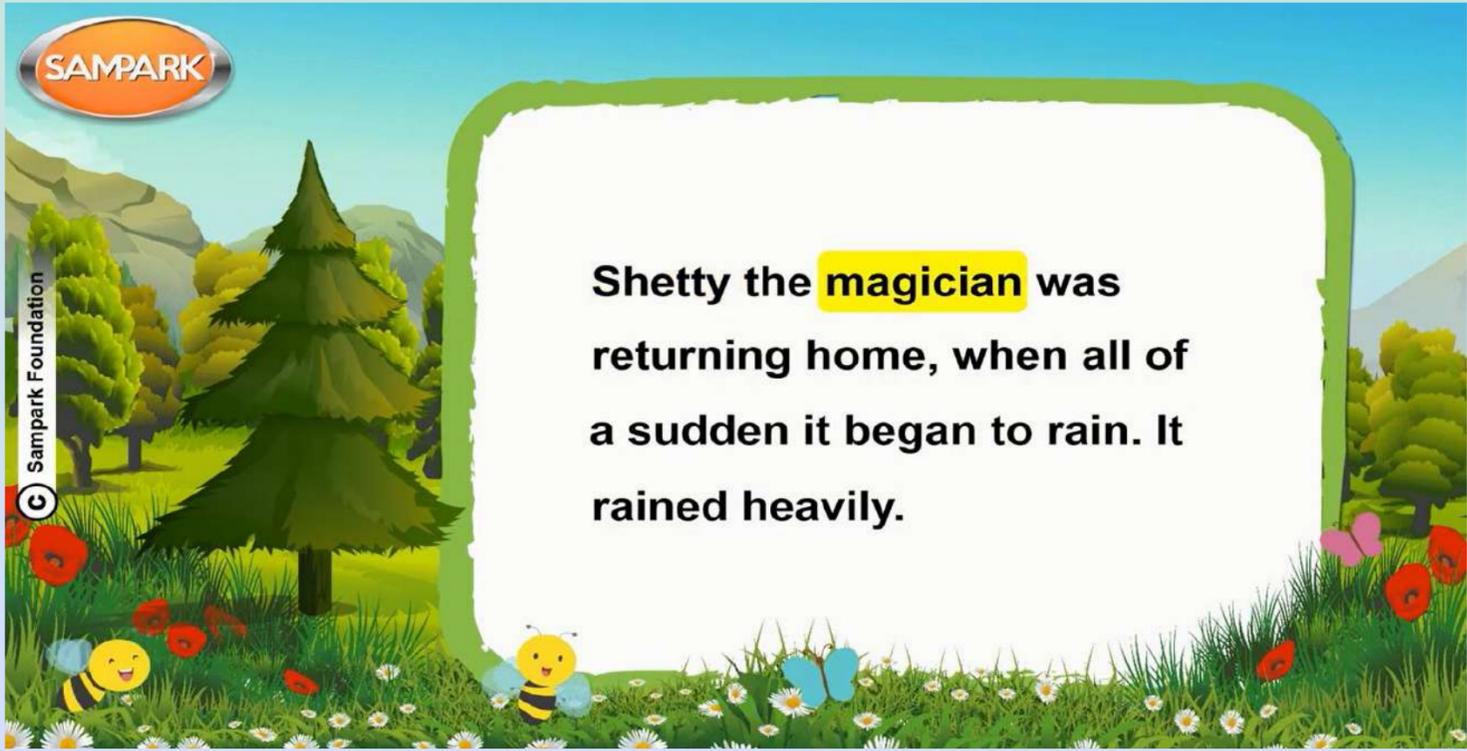
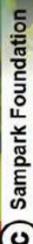
## **Advance English Skill Program**

**Making textbooks come alive by adding  
Listening and Speaking to them.**

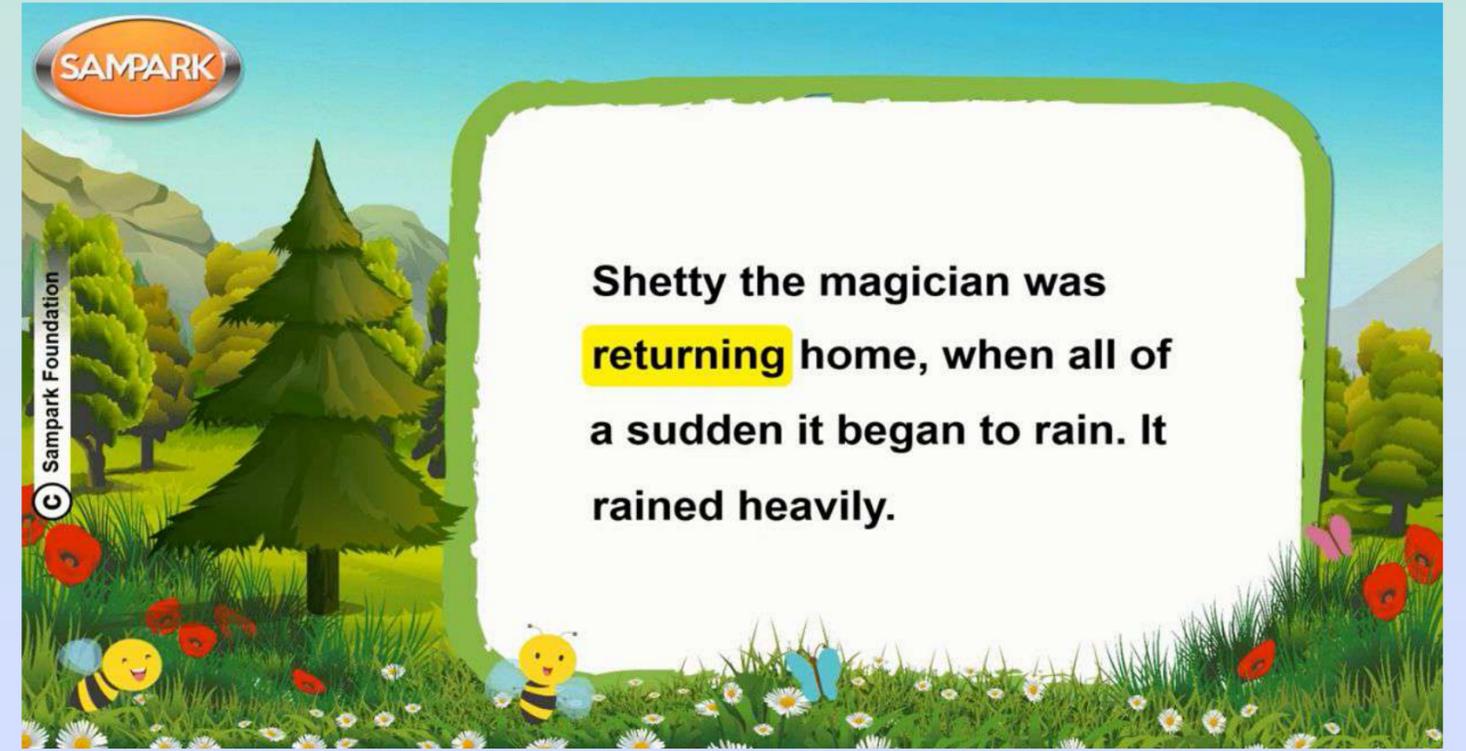
# 5 Step LSRW-A: Learning Cycle



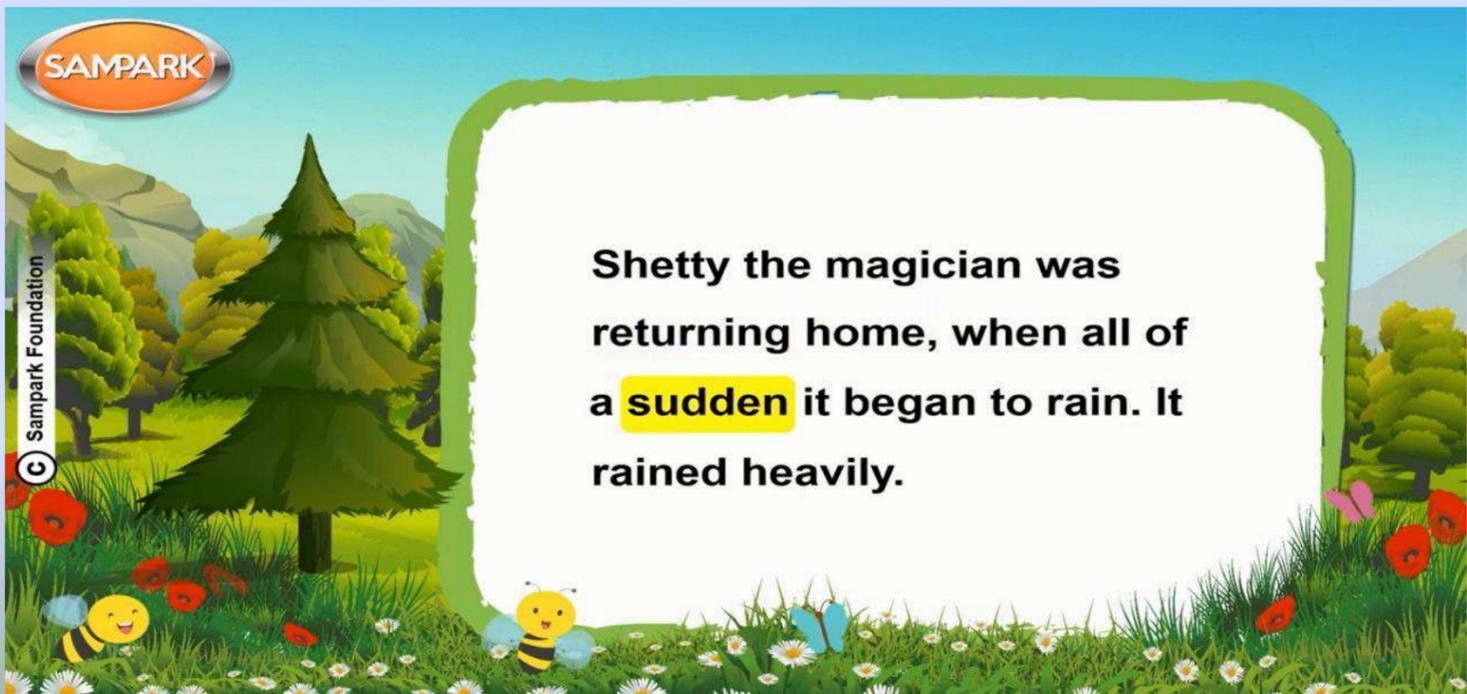
# Step 1 – Listen and Understand



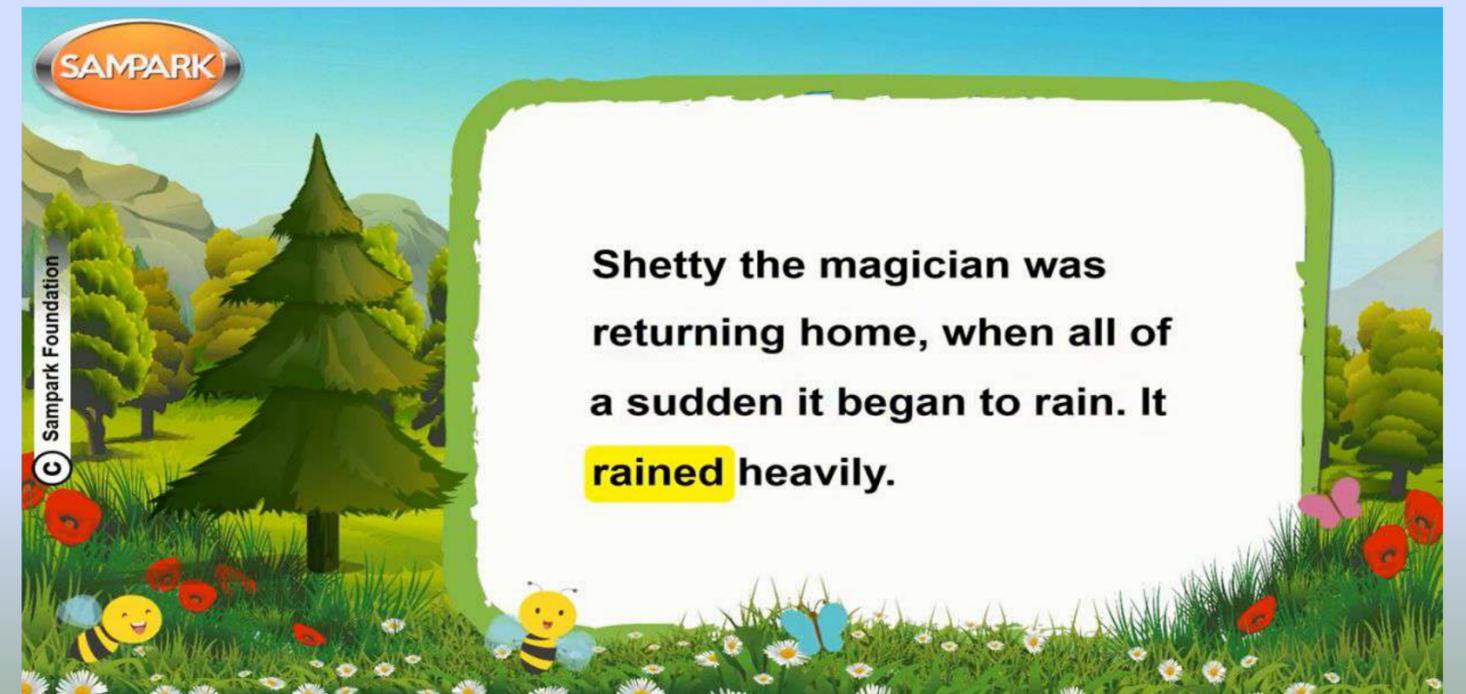
Shetty the **magician** was returning home, when all of a sudden it began to rain. It rained heavily.



Shetty the magician was **returning** home, when all of a sudden it began to rain. It rained heavily.



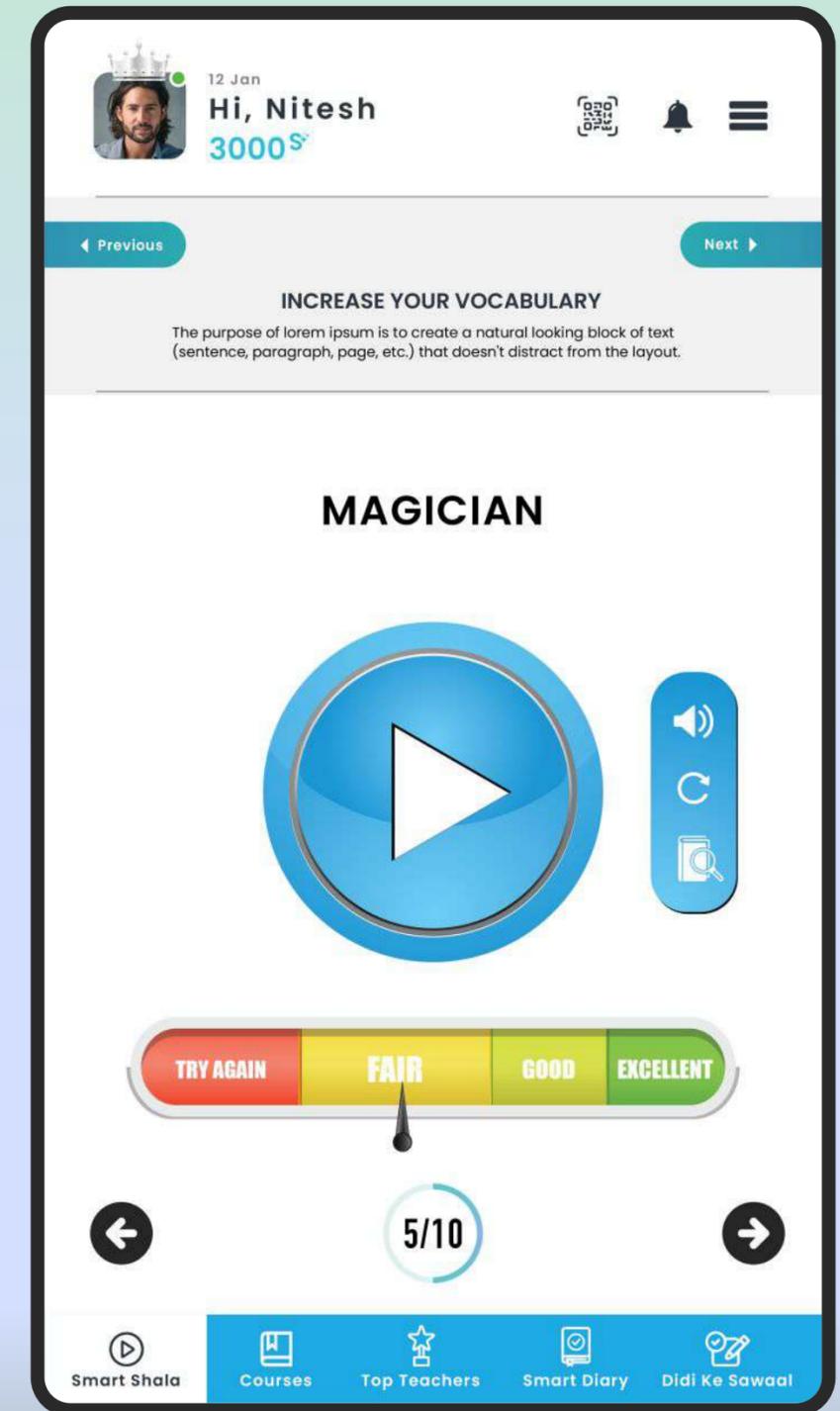
Shetty the magician was returning home, when all of a **sudden** it began to rain. It rained heavily.



Shetty the magician was returning home, when all of a sudden it began to rain. It **rained** heavily.

# Step 2 – Speak Words

- User can speak and record the word displayed
- The user can hear the word when he/she clicks on the Speaker button
- App will return the accuracy of his/her pronunciation



# Step 2 – Speak Sentences

12 Jan  
Hi, Nitesh  
3000<sup>S</sup>

← Previous      Next ▶

**SPEECH PRACTISE**  
The purpose of lorem ipsum is to create a natural looking block of text (sentence, paragraph, page, etc.) that doesn't distract from the layout.

**HOW HAPPY I AM!**

Microphone icon and volume controls.

3/10

Smart Shala   Courses   Top Teachers   Smart Diary   Didi Ke Sawaal

12 Jan  
Hi, Nitesh  
3000<sup>S</sup>

← Previous      Next ▶

**SPEECH PRACTISE**  
The purpose of lorem ipsum is to create a natural looking block of text (sentence, paragraph, page, etc.) that doesn't distract from the layout.

**HOW HAPPY I AM!**

Play button icon and volume controls.

TRY AGAIN   FAIR   GOOD   EXCELLENT

3/10

Smart Shala   Courses   Top Teachers   Smart Diary   Didi Ke Sawaal

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← Previous      Next ▶

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**THE TREE WENT TO SLEEP.**

Microphone icon and volume controls.

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Play button icon and volume controls.

TRY AGAIN   FAIR   GOOD   EXCELLENT

3/10

Smart Shala   Courses   Top Teachers   Smart Diary   Didi Ke Sawaal

# Step 3 – Read and Comprehend

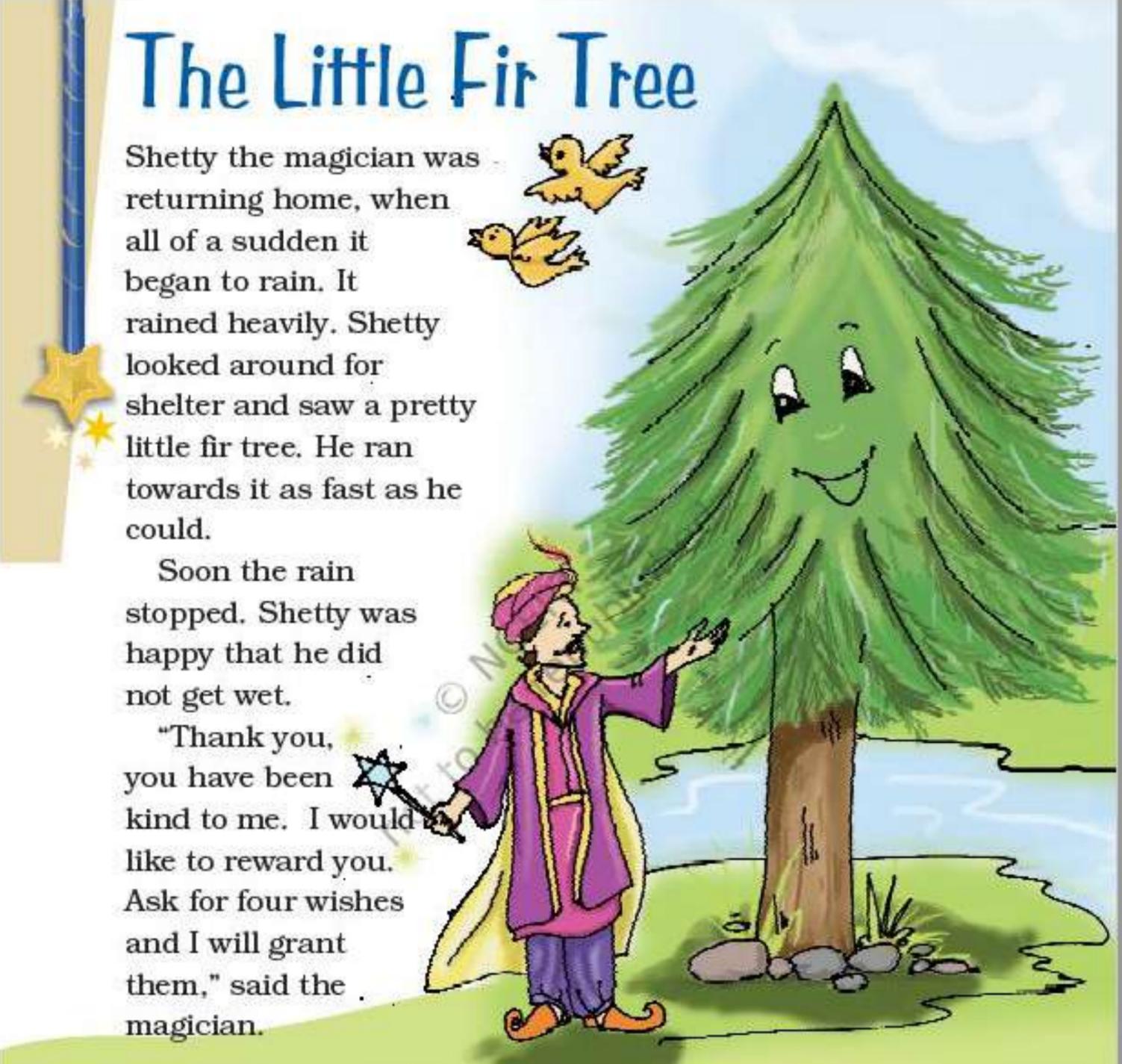
**Read the lesson in the textbook**

## The Little Fir Tree

Shetty the magician was returning home, when all of a sudden it began to rain. It rained heavily. Shetty looked around for shelter and saw a pretty little fir tree. He ran towards it as fast as he could.

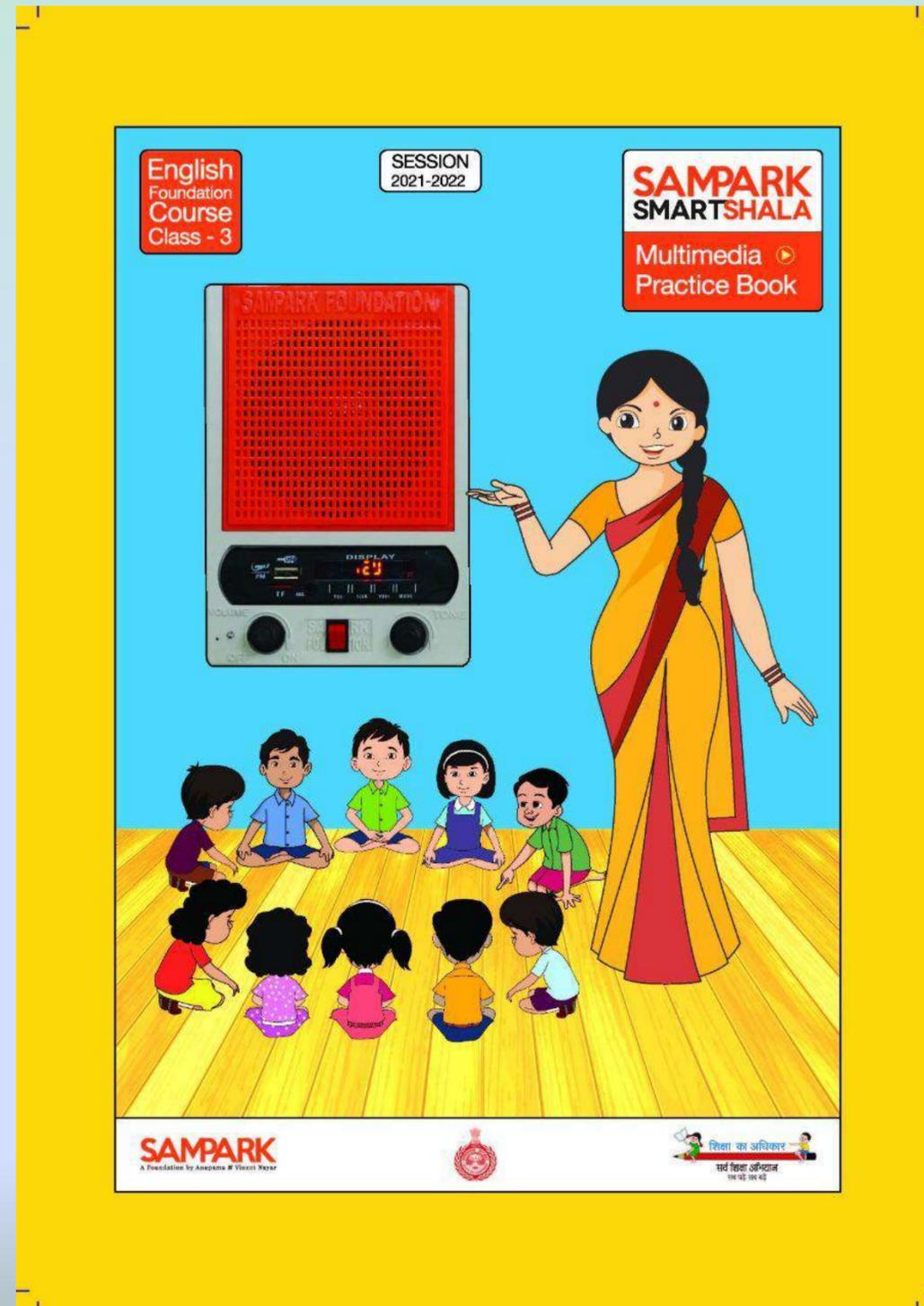
Soon the rain stopped. Shetty was happy that he did not get wet.

"Thank you, you have been kind to me. I would like to reward you. Ask for four wishes and I will grant them," said the magician.

An illustration of a smiling fir tree with a face, standing next to a stream. A magician in a purple robe and turban stands next to the tree, holding a wand. Two yellow birds are flying in the sky above the tree. The scene is set in a green landscape with a blue sky and white clouds.

# Step 4 – Write & Practice

Practice the learnt concepts by writing in workbook



## Opposite Words

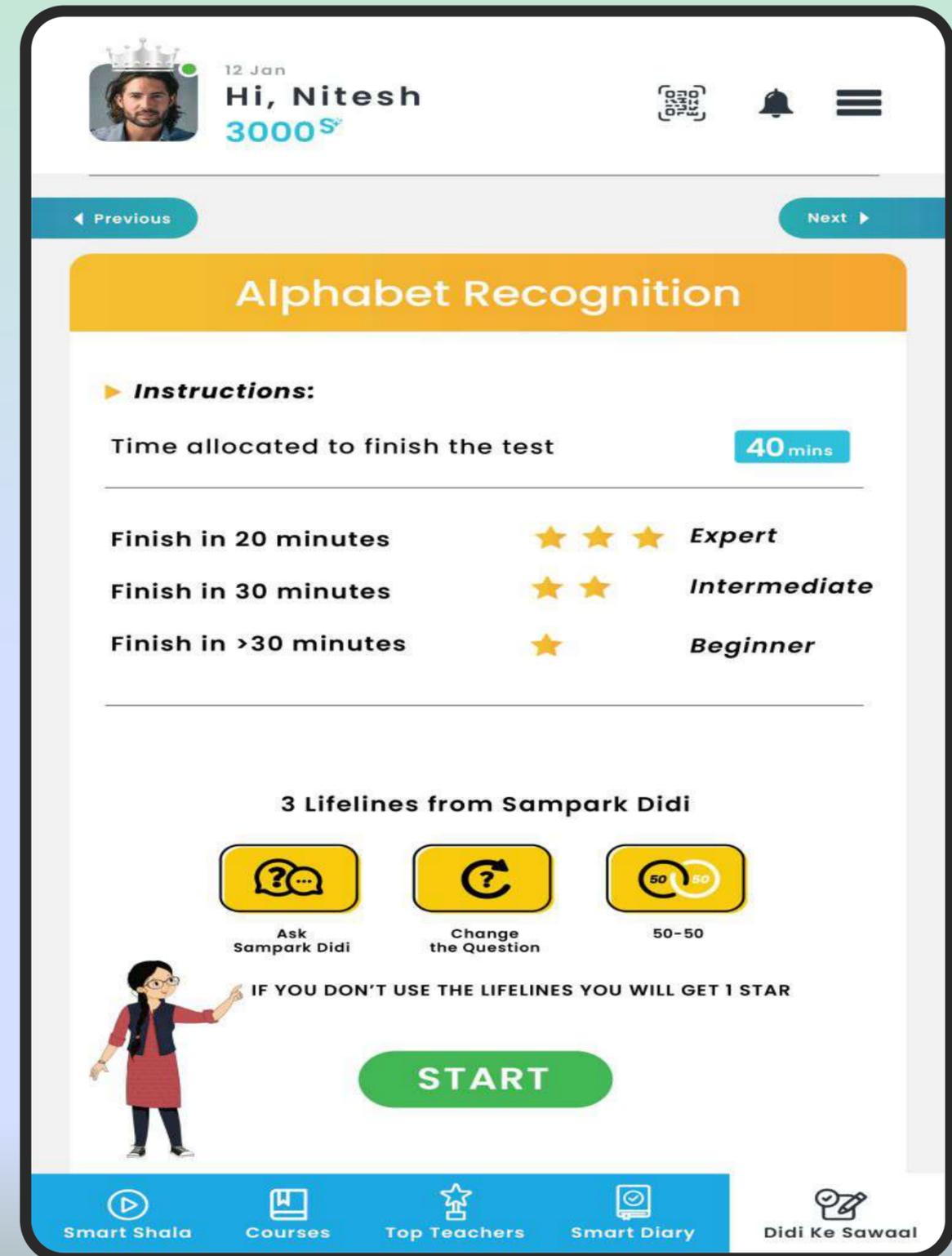
Instruction: Match opposites:

Sunny		Happy	
Empty		One	
Sad		Night	
Many		Full	
Sweet		Rainy	
Day		Thin	
Fat		Sour	

© SAMPARK FOUNDATION

# Step 5 – Gamified Assessment

- **Module based assessment exercise**
- **Used interactive way and component to take assessment**



# DIGITAL INITIATIVES/ICT BEST PRACTICES IN EDUCATION BY SCERT HIMACHAL PRADESH

## DIGITIZATION OF COMPLETE PROCESS OF SCHOLARSHIP EXAMINATION

Every Year the SCERT conducts three scholarship exams for the students of entire state.

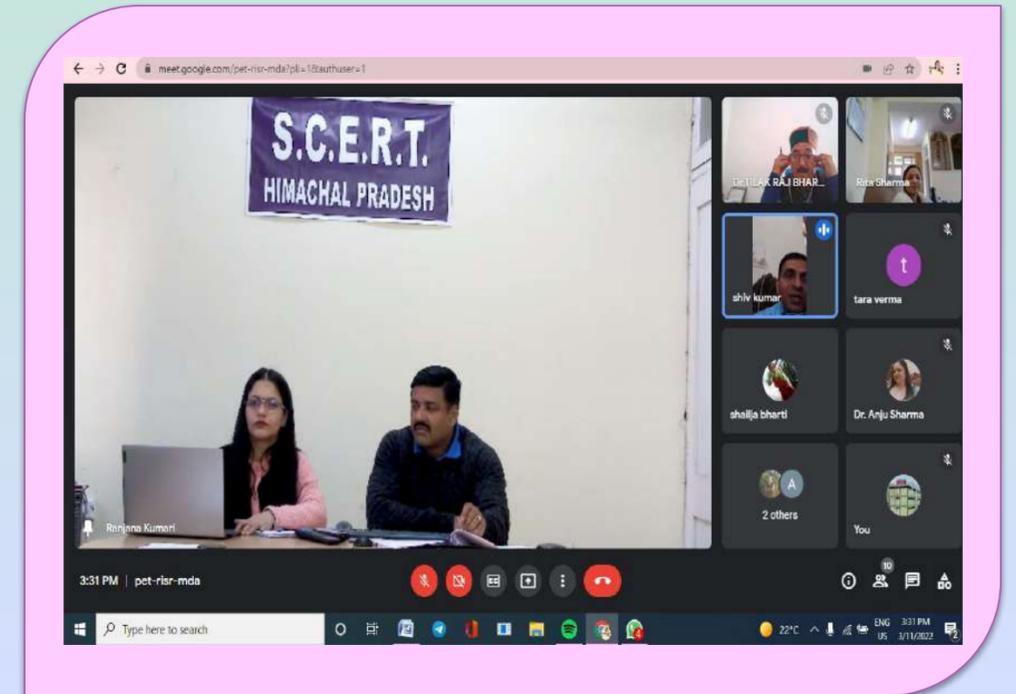
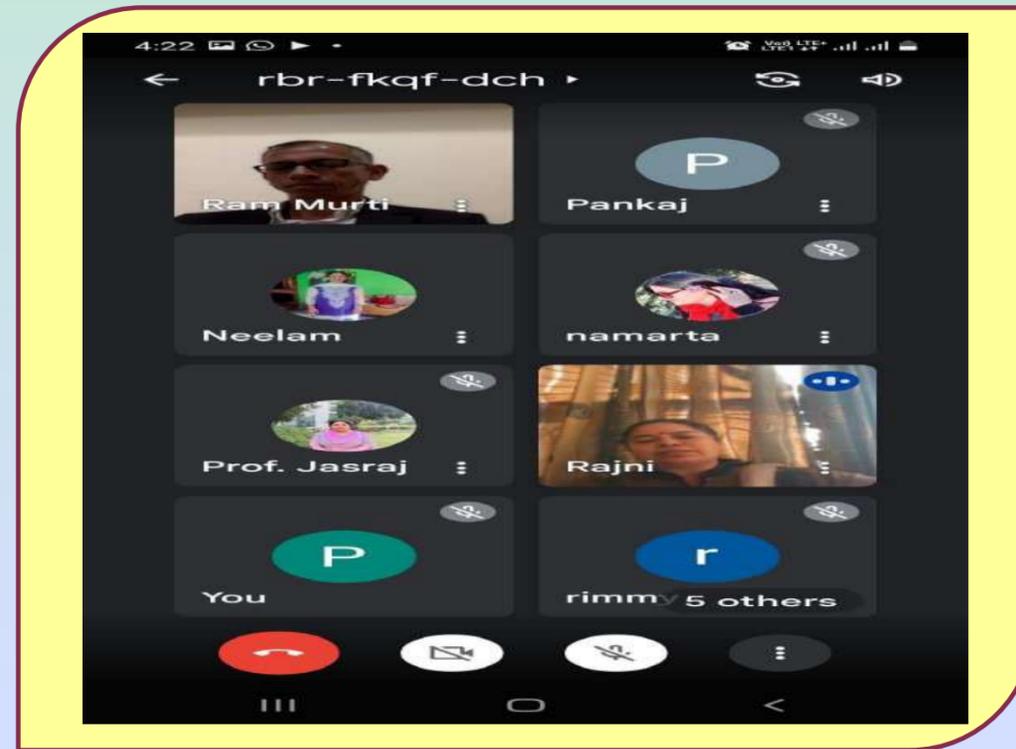
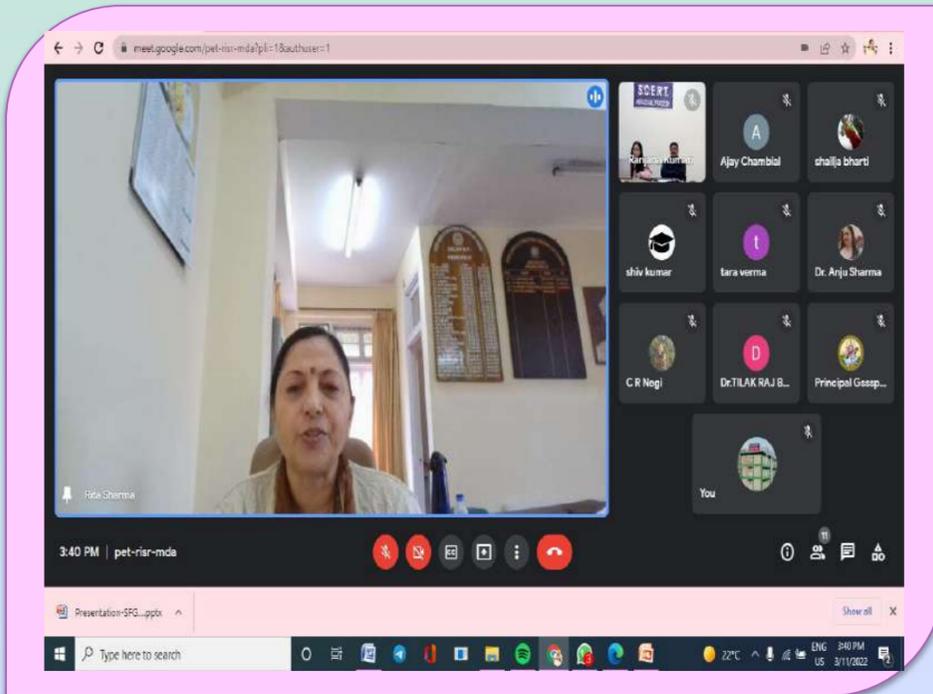
1. **HP Swaran Jayanti Middle Merit Scholarship Scheme (HP SJMMSS)** sponsored by Govt. of Himachal Pradesh for the children studying in Class V of H.P. Govt. Primary schools
2. **National Means-cum-Merit Scholarship Scheme**
3. **National Talent Search Examination.**

**During Pandemic for all the above exams the Council switched to online mode for:**

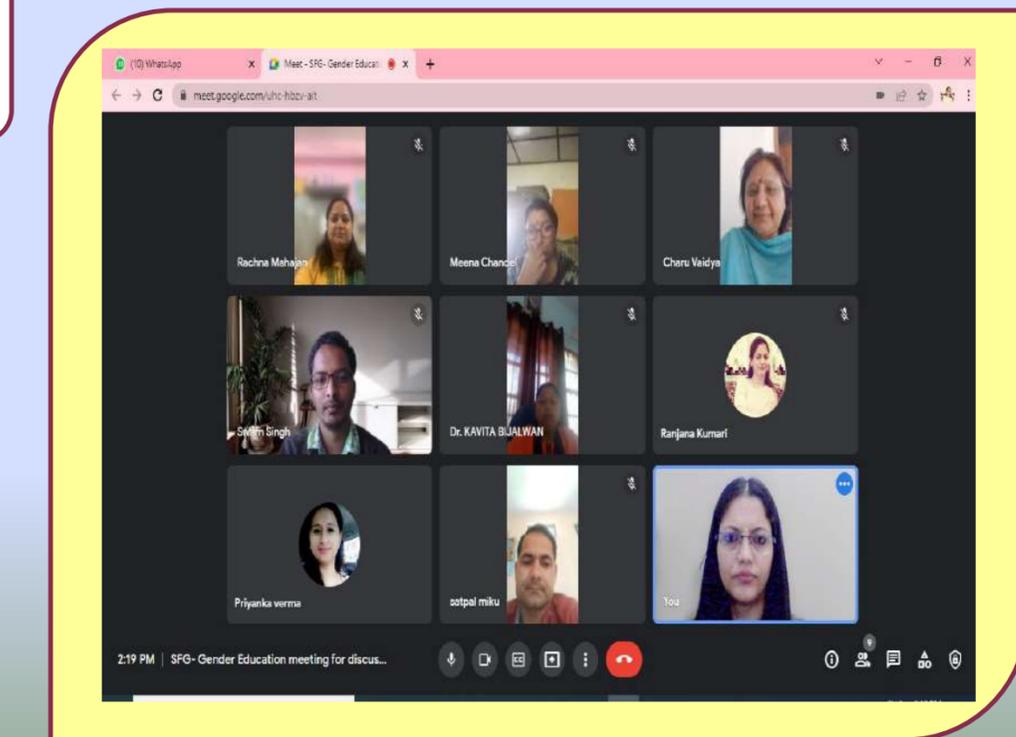
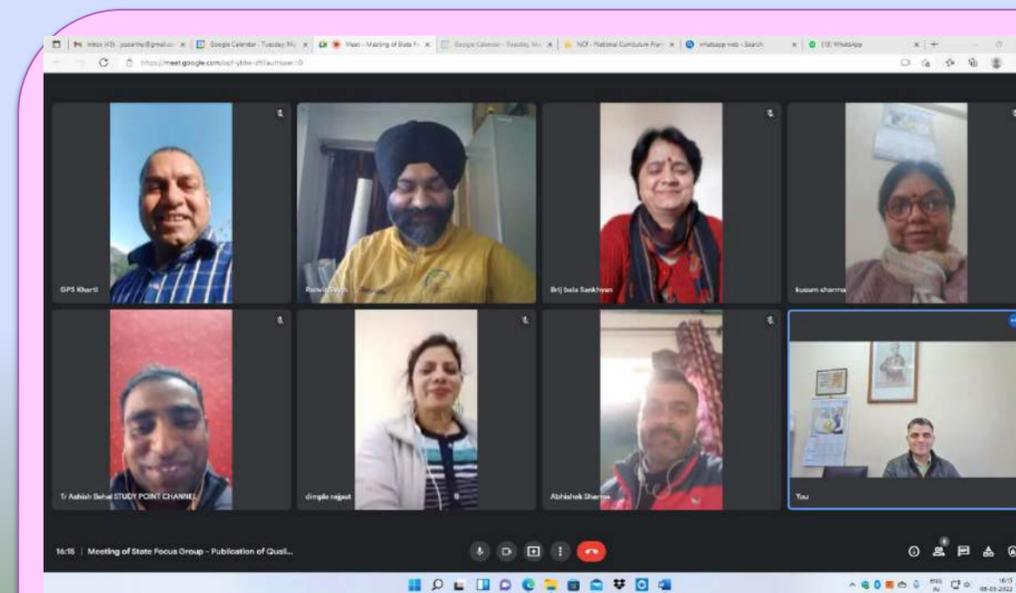
- For download of admit cards
- For generation of student data/Attendance chart
- For accepting application form
- For sharing the Information/instructions regarding the examination with schools and students.
- For verification of student data by the head of the institution

**Online Portals were created for all the three examinations & the links were disseminated through Deputy Directors of all the districts of HP.**

# ONLINE TEACHER TRAINING AND WEBINARS



## STATE FOCUS GROUPS MEETINGS/WORKSHOPS FOR DEVELOPMENT OF STATE POSITION PAPERS (NEP 2020)



# ONLINE TEACHER TRAINING AND WEBINARS (Contd.)

## PFMS TRAINING FOR SCHOOL PRINCIPALS (JANUARY, 2021)

Principal SCERT HP is presenting

Meharsingh Tha... and 35 more

PRINCIPALSHIP CHALLENGES AND RESPONSIBILITIES - (Microsoft PowerPoint)

(B) Principal and multi-tasking  
1,2,3

- 1. As facility manager
- 2. As teacher
- 3. As a Social worker

Participants: Principal SCERT HP, Sunil Datt, vinod sharma, Kulwant Sharma, GSSS MELTHI, Sushil kumar, Surrender Dhiman, Nekk Ram, Ashwini Sharma, GSSS MELTHI.

PFMS Training for School Principals

## TRAINING FOR SCHOOL PRINCIPALS (NOVEMBER, 2021)

Google meet link for online in-se... Meet - In-Service Training fo... +

meet.google.com/njt-jwca-mev

Participants: SCERT HP, Principal Bhumti, Principal Kakkarh..., Keshav Sharma, Principal GSSS Dh..., GSSS Sanghnai, GSSS JOWAR, GSSS CHURURU, SUBHASH KAUSH..., Parveen Jaswal, GovtGirlsSSS Sub..., Amar Singh, RAMAN BHARDW..., Ravinder kumar, som nath bhardwaj, Principal Ghaighat, Principal Saloh Beri, Arun Kumar, suresh kapil, Joginder Tanwar, GSSS RAIPUR MA..., Shashi Sharma, Principal Arki G, Bhari Lal Sharma, SUKH DEV RATTAN, Mohinder Pirta, Sanjay Kumar, PRINCIPAL PANOH, Ashwani Prashar, Sanjay Dhiman, Vinay Sharma, Madan Lal, PRINCIPAL DAULA..., Principal Bhumti, 6 others, You.

11:22 AM | In-Service Training for School Principals

Type here to search

11:22 AM 20-Nov-21

## SYNERGY WITH NATIONAL DIGITAL INITIATIVES



### 1st to 5th

All books digitized by mapping Har Ghar Pathshala e-content on DIKSHA portal.

### 6th to 8<sup>th</sup>

Mathematics, Science, Social-science, Hindi and English books have been digitized by mapping Har Ghar Pathshala e-content .

### 9th to 10+2

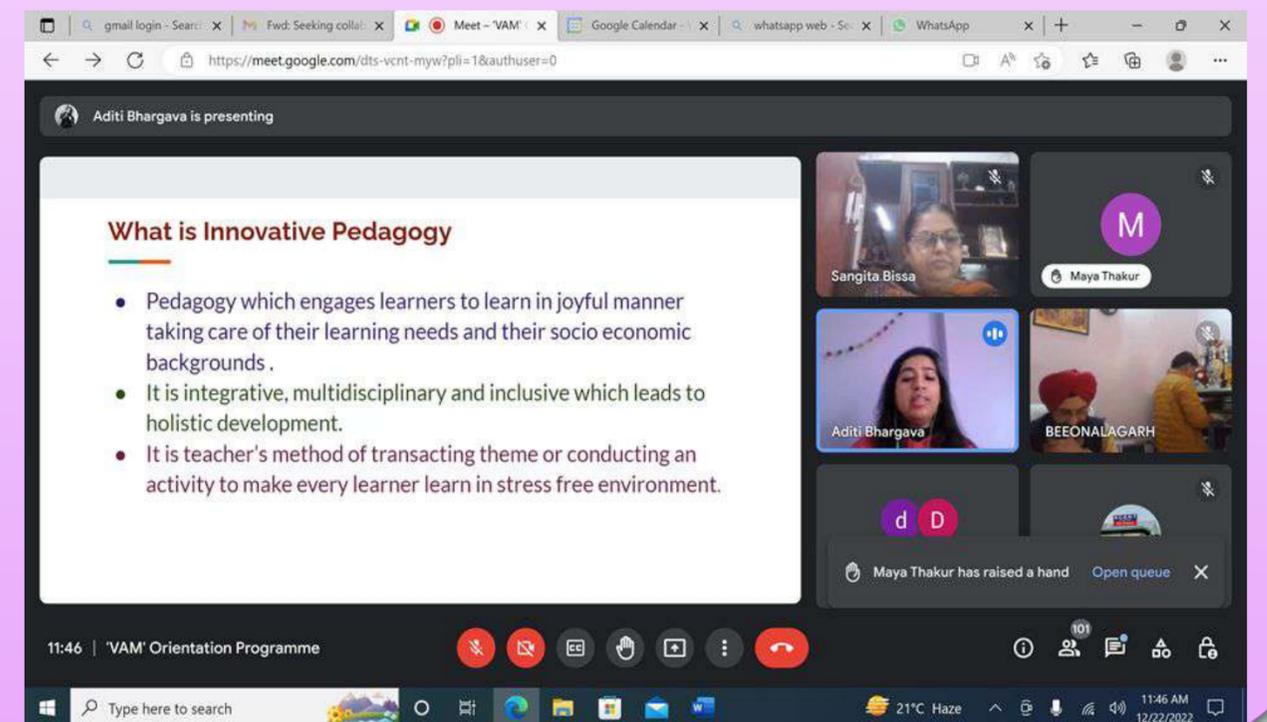
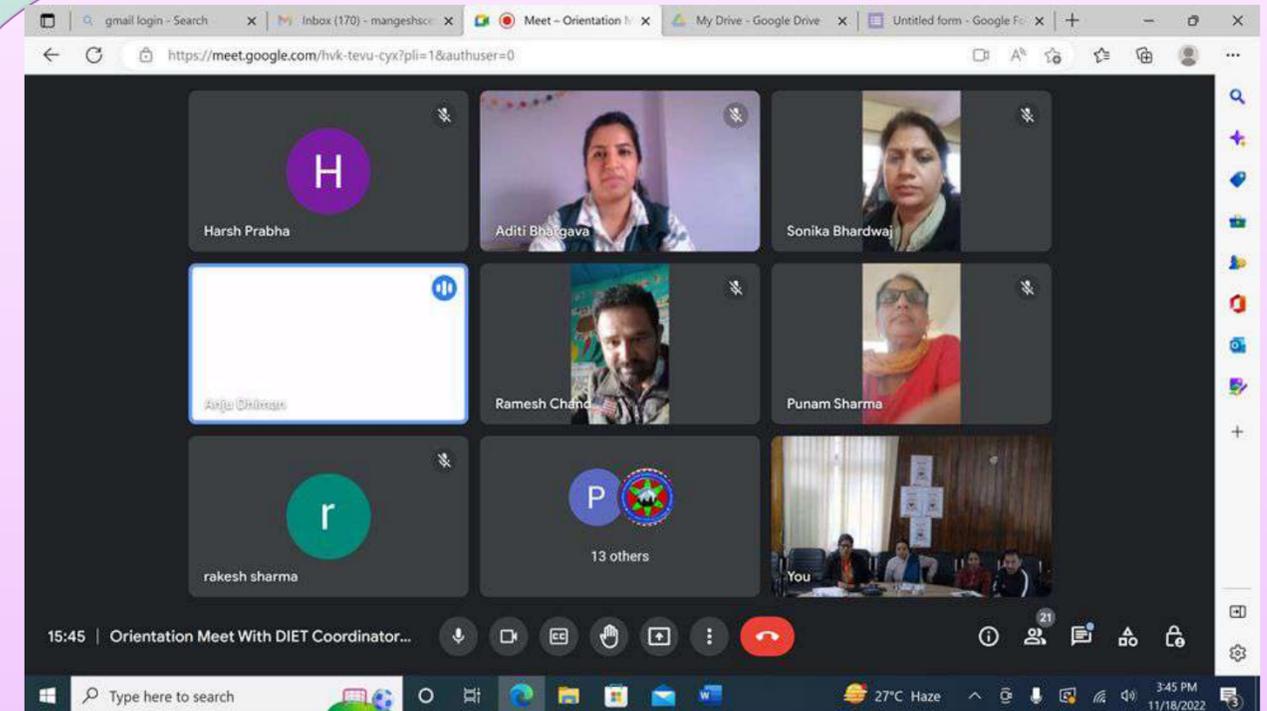
Some books digitized through Vidya Daan on DIKSHA Portal

# SYNERGY WITH NATIONAL DIGITAL INITIATIVES (Contd.)

(Online Orientation of 12 District Coordinators  
(Through Google Meet/Zoom)

Vidya Amrit Mahotsav  
(Innovative Pedagogy Projects)

Block Level Orientations & Open School Hours to resolve queris from the field.  
(Online Mode)



# Implementation Phase of VAM (Formation of What's App Groups)

Principals cum DPOs of  
the DIETs

District Co-Ordinators  
(12 Districts of the State)

State Group of the Teachers  
to Resolve their queries

DISTRICT WISE  
DASHBOARD REPORT OF  
INNOVATIVE PEDAGOGY  
PROJECTS WAS ALSO  
SHARED ON DAILY BASIS  
THROUGH WHATS' APP  
GROUP



# NISHTHA 2.0 & 3.0 COURSE COMPLETION PERCENTAGE IN H.P.

H.P. NISHTHA2.0 FOR SECONDARY -DISTRICT-WISE COMPLETION PERCENTAGE

Course Number	Course Name	Enrolled	Completed	Completion %age
Course 1	Curriculum and Inclusive Classrooms	58784	37138	63.16
Course 2	ICT in Teaching-Learning and Assessment	44944	31992	71.18
Course 3	Personal-Social Qualities for Holistic Development	40589	29895	73.65
Course 4	Integrating Gender in the Teaching Learning Process	50282	34704	69.01
Course 5	Understanding Secondary Stage Learners	45574	32919	72.23
Course 6	Health and Well-being	43303	31067	71.74
Course 7	Integrating Gender in Schooling Processes	43222	28380	65.66
Course 8	School Leadership: Concepts and Applications	39949	27092	67.8
Course 9	Vocational Education	39389	25885	65.71
Course 10	School Based Assessment	39723	26723	67.27
Course 11	Initiatives in School Education	36339	25952	71.41
Course 12	Toy Based Pedagogy	36326	25549	70.33
Overall percentage				69.09583

Nishtha 3.0 (FLN) Status as on 09-2-2022

Districts	Course 1		Course 2		Course 3		Course 4		Course 5		Course 6		Course 7		Course 8		Course 9		Course 10	
	T. Enroll ment	Cert. Issued																		
Bilaspur (H.P.)	1218	387	829	206	696	317	548	277	437	151	350	150	480	119	332	74	1393	294	999	247
Chamba	2038	587	1447	275	608	230	460	192	301	79	254	70	162	32	120	12	555	86	359	77
Hamirpur (H.P.)	1325	493	992	318	712	323	566	291	450	161	364	147	180	52	134	33	866	194	607	145
Kangra	3632	1257	2620	719	1147	560	967	503	1224	436	1013	393	560	152	427	88	1534	304	1086	213
Kinnaur	315	87	218	47	102	47	85	41	83	26	55	25	16	9	12	3	77	13	38	8
Kullu	825	232	509	97	170	79	135	65	206	69	162	64	102	26	61	17	308	44	214	37
Lahul & Spiti	222	74	131	39	226	105	196	90	216	97	169	87	100	30	59	12	163	42	101	18
Mandi	3505	1062	2460	556	1847	839	1539	734	2020	792	1670	725	723	219	532	129	1598	295	1095	246
Shimla	2421	846	1690	457	1639	789	1317	717	1437	502	1158	471	793	291	576	170	1115	268	804	221
Sirmaur	1064	408	717	239	413	204	331	172	249	81	206	91	60	21	49	9	301	44	202	43
Solan	1173	355	799	183	295	135	253	121	241	67	198	68	114	33	87	18	631	148	434	118
Una	1371	495	1096	322	463	230	404	205	377	132	312	123	114	33	82	26	926	198	697	158
Grand Total	19109	6283	13508	3458	8318	3858	6801	3408	7241	2593	5911	2414	3404	1017	2471	591	9467	1930	6636	1531



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