KEONJHAR

CAPACITY BUILDING OF TEACHERS ON DIGITAL SKILL UNDER 5T HIGH SCHOOL TRANSFORMATION PROGRAM - KEONJHAR

TO CREATE NEW TECHNOLOGY INNOVATION FOR SMOOTH TEACHING & LEARNING PROCESS OF THE STUDENTS TOWARDS A GREAT LEARNING EXPERIENCE AND EXPOSURE UNDER 5T HIGH SCHOOL TRANSFORMATION PROGRAM.

DISTRICT MINERAL FOUNDATION

OCAC
Odisha Computer Application Centre

OKCL
Creating a Knowledge Lit World

DISTRICT EDUCATION OFFICE KEONJHAR, GOVERNMENT OF ODISHA

PROJECT BACKGROUND:

The 5T High School Transformation initiative of State will enhance the learning environment, standard of teaching and usher holistic development of the school through collaboration of parents, alumni and local community. By achieving this mandate, a better future for our students is ensured. Capacity building of teachers is one of the most important aspect for efficient use of State-of-art infrastructure at schools. Effective teachers' training program can help teachers to become better at planning their time and staying organized. This ultimately makes teachers more efficient and gives them extra time to focus on students.

The goal of the Programme is to develop the Digital skills among the high school teachers and headmasters of 5T transformed high schools of Keonjhar District. The workshop aims at developing digital skills like use of Smart Panels, Various Educational Tools, Session Plan etc.

TRINING OBJECTIVE:

The programme intends to enable every teacher in ICT skills to not only use in their activities of facilitating the learning, but also to rejuvenate their professional attitudes and to create their own e-resources for their teaching-learning activities.

The objectives of the capacity building programme include the following:

1. Ensuring the effective use of Smart Lab and Class.
2. To encourage the teachers to use the Smart lab/Class tools/equipment.
3. To design effective session plan for dissemination of multimedia eContent.
4. Keep the Smart lab/Class functional (100% uptime) by following appropriate steps.
5. Ensure Smart lab/Class Safety and Security
6. Use of Learning Calendar to deliver the multimedia eContent teaching as per the timeline.

The aim of the program was to support the HMs and Teachers in performing consistently towards the progress of transformation of high schools at Keonjhar district under the 5-T charter. The training was held at six number of venues with 12 number trainers covering blocks like Sadar, Jhumpura, Harichandanpur, Anandpur.

872 Teachers

442 Schools

5T TEACHERS TRAINING

13 Blocks

12 Trainers

6 Venues

2 Days

TRAINING MODALITY:

The training is to ensure the effective use of Smart labs and Digital Classrooms, design effective session plan for dissemination of multimedia e-Content, keep the lab functional, safe, and secured and use of learning calendar to deliver the multimedia content as per the timeline.

During the training, the teachers were provided robust hands-on experience on usage of Smart Panel, 21st Century teaching tools using MS office and various Educational Apps.

D. N. High School, Keonjhar Class-1

D. N. High School, Keonjhar Class-2

D. N. High School, Keonjhar Class-3

D. N. High School, Keonjhar Class-4

Mahatab High School, Champua Class - 1

Mahatab High School, Champua Class - 2

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Mahatab High School, Champua Class - 3

Mahatab High School, Champua Class - 4

Govt. Girls High School, Keonjhar LAB Sessions

D.N. High School, Keonjhar LAB Sessions

The two-day training program was conducted on 13th July 2022 and 14th July 2022 at 6 Venue locations successfully.

Following topics were covered under Face-to-face / In-person training mode:

1. Exposure to Smart lab and its equipment, Use of Tools
2. Usage of e-Learning Framework & its demonstration
3. Session plan - Induction training program
4. Getting Started with Multimedia
5. Basics of e-Content Development through Presentations
6. Session plan
7. Details of induction training program

Planning for Training through e-Learning mode:

Further, it is planned that, teachers will undergo training through eLearning Mode using self-learning training modules. Here, each teacher will be provided individual login in Learning Management System (known as eLearning Revolution for All – ERA).

There are 50 sessions, where each session is of 2 Hrs (1 Hr. Theory + 1 Hr. Practical) to be taught in e-Learning Mode. During the Face-to-face / In-person training, the self-learning modules under eLearning Mode have been covered.

Following will be covered in an elaborative manner:

- **21st Century Microsoft Office Skills:** Knowledge of Office Automation tools to work effectively and smartly at workplace (MS Word, MS PowerPoint, MS Excel, MS Outlook).
- **21st Century Study Skills:** Transform to style of studying in 21st Century and getting its benefits to the fullest.
  - ➢ IT Concepts and General Awareness: Various Information Technology Concepts and Awareness about inventions and discoveries.
  - ➢ **Go Green:** Norms of eco-friendly use of computers.
  - ➢ **Ergonomics:** Norms of using computer in a healthy way.
  - ➢ **Scripting Skills:** To Literacy about various novice friendly programming languages.
  - ➢ **Netiquettes:** Etiquettes for decent behaviour in the Cyber world.
  - ➢ **Cybersecurity Skills:** To educate about risks in the cyber world, and best practices for maintaining safety and security.
  - ➢ **Typing Skills:** Scientific method of errorless typing in English.
- **21st Century Daily Life Skills (Websites and Apps) :** For managing and living a better quality of life with the help of various mobile apps and websites.
- **21st Century Citizenship Skills:** To become a responsible citizen and avail various Government Services/Schemes.
  - ➢ **Go Green:** Norms of eco-friendly use of computers.
  - ➢ **Ergonomics:** Norms of using computer in a healthy way.
  - ➢ **Scripting Skills:** To Literacy about various novice friendly programming languages.
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- **21st Century Daily Life Skills (Websites and Apps) :** For managing and living a better quality of life with the help of various mobile apps and websites.
- **21st Century Citizenship Skills:** To become a responsible citizen and avail various Government Services/Schemes.

CAPACITY BUILDING PROGRAM STRUCTURE AT A GLANCE:

Registration Process: Attendance taken & supporting materials provided (Training Manual, Note Pad, Pen & Folder to carry)

Pre-Assessment:

All participants appeared a test comprising questions related to general computer knowledge, opinion based, E-mail, Internet and child pedagogy etc.

Participants were asked to scan the QR code to appear in the pre-assessment test. Most of the HMs and Teachers tried to learn about the QR code scanner & installed it to finish the test.

Demonstration was given to the teachers regarding about scanning QR Code using mobile scanner for appearing the Pre-Assessment.

QR Code for assessment was displayed at the training venue at each classroom

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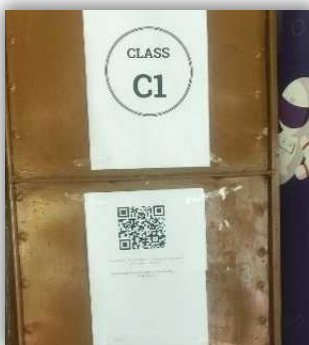
TRAINING STRUCTURE AT A GLANCE

00

Introduction
- Registration & Pre-Assessment
- Introduction to Smart labs & Smart Class
- List of Equipment, service and software available at Smart Lab
- Brief about topics to be covered during the training session

Session – I
- Demonstration Tools / Equipment provided at Smart labs under 5T High School Transformation.
- Basic Trouble Shooting and Problem Solving.
- Issue Escalation methodology through Call Center & Support Portal

01

02

Session – II
- Training & Demonstration on Usage of Smart TV / Panel on the following. (NOTE FINDER ,SETTINGS,STYLUS PEN)
- Individual Hands-on-practice of Teachers

Session – III
- Demonstration on Online Meeting Platforms Zoom, MS Teams, Google Team.
- Screen sharing / Casting from Laptop or Smart Phone.

03

Session – IV
Role of Technology in Education and Its importance, Use of Google Form Software provided at Smart Labs:
- e-Learning Revolution for All (ERA)
- Online Evaluation System (OES)
- OKCL's Learning Companion App

MS Office List of Content, How to access e-Content? List of Educational Videos providing at School

04

Closure
- Presentation by Teachers (to be recorded as a video testimonial).
- Post Assessment and Feedback Collection.

05

TRAINING PLAN:

As per the below table the training has been scheduled and conducted successfully.

Sr. No.	NAME OF THE VENUE	PARTICIPATING BLOCKS	NO. OF TEACHERS	DATE & TIME
1	D. N High School, Keonjhar	Sadar, Banspal,Telkoi, Saharpada & Patna	160	Date: 13th July 2022 Time: 9:30 AM – 5:30 PM
2	Govt. Girls High School, Keonjhar	Sadar, Banspal,Telkoi, Saharpada & Patna	160	Date: 13th July 2022 Time: 9:30 AM – 5:30 PM
3	Mahatab High School, Champua.	Jumpura, Champua, & Joda	206	Date: 13th July 2022 Time: 9:30 AM – 5:30 PM
4	B.N High School, Anandapur	Anandapur, Ghasipur, & Hatadihi	106	Date: 14th July 2022 Time: 9:30 AM – 5:30 PM
5	Girls High School, Anandapur	Anandapur, Ghasipur, & Hatadihi	106	Date: 14th July 2022 Time: 9:30 AM – 5:30 PM
6	Harichandanpur High School,	Harichandanpur & Ghatgaon	67	Date: 14th July 2022 Time: 9:30 AM – 5:30 PM

The In-person Training Program for Keonjhar Smart Lab Project is as per the below agenda.

Training for HMs / Subject Teachers				
Section	Topics	Duration	From ---- To	
Introduction	Introduction to Smart labs & Smart Class (10 min.) List of Equipment, service and software available at Smart Lab (10 min.) Brief about topics to be covered during the training session (10 min.)	30 min.	9:30 AM to 10.00 AM	
Session-I	Demonstration Tools / Equipment provided at Smart labs under 5T High School Transformation -Smart TV / Panel, Desktop, Laptop, Thin Client UPS, Silent Generator, Printer, Fire Extinguisher, Login ID / Password for Sever Desktop / Thin Client etc. (45 min) Basic Trouble Shooting and Problem Solving Type of problems (MCB trip check, use of UPS without power source, ensure proper charging of UPS, Fuel check in Generator etc.) (30 min) Issue Escalation methodology through Call Center & Support Portal (15 min)	1 hr. 30 min.	10.00 AM to 11.30 AM	

Training for HMs / Subject Teachers			
Section	Topics	Duration	From ---- To
Session-II	Training on Usage of Smart TV / Panel on the following: SIDEBAR – Back Key, Home Key, Recent Tasks, Quick Note, Annotation Tools, Screen Freezing, Small Tools, Touch Menu. (15 min.) NOTE – Menu (New, Open, Save, Import, Export), Exit, Selection, Pen, Eraser, Clean, Shape, Roaming, Drawing Board, Withdrawing, Recover, Adding page, Previous page, Pagination, Next Page (15 min.) FINDER – Browsing according to Category, Resource operation, Ordering Menu, Exit. (15 min.) SETTINGS – [Wireless & networks], [Device] (15 min) STYLUS PEN - use and demo. (15 min.) Multi Touch functionality – use and demo (15 min.)	1 hr. 30 min.	11.30 AM to 1:00 PM
Lunch Break (1 hr)			
Session-III	Demonstration on Online Meeting Platforms : ZOOM (40 min.) • How to join a ZOOM meeting ? • How to host a ZOOM meeting ? • How to share your screen ? • How to schedule a ZOOM meeting ? • How to use the ZOOM meeting app on mobile ? • How to use ZOOM whiteboard? MS Teams (20 min) • How to join a MS Teams meeting ? • How to host a MS Teams meeting ? • How to share your screen ? • How to schedule a MS Teams meeting ? • How to use the MS Teams meeting app on mobile ? • How to use MS Teams whiteboard? Google Meet (20 min) • How to join a Google Meet meeting ? • How to host a Google Meet meeting ? • How to share your screen ? • How to schedule a Google Meet meeting ? • How to use the Google Meet meeting app on mobile ? • How to use Google Jamboard ? Screen sharing / Casting from Laptop or Smart Phone (Demonstration using Madhu App) (10 min)	1 hr. 30 min.	2.00 PM to 3.30 PM

Training for HMs / Subject Teachers			
Section	**Topics**	**Duration**	**From ---- To**
Session-IV	**Role of Technology in Education and Its importance, Use of Google Form (30 min.) Software provided at Smart Labs : (30 min.)** • **e-Learning Revolution for All (ERA)** • **Online Evaluation System (OES)** • **OKCL's Learning Companion App** • **MS Office** **List of Content, How to access e-Content? (25 min.) List of Educational Videos providing at School -Aama school dot com, Target Series for Class X students (5 min.)**	**1 hr. 30 min.**	**3.30 PM to 5.00 PM**
Conclusion	Conclusion: (30 min.) Presentation by Teachers (to be recorded as a video testimonial) Assignments / Tasks to be done .	30 min.	5.00 PM to 5.30 PM

COMPARATIVE ANALYSIS:

A pre-assessment of all participants was conducted on before the training and the post-assessment was conducted at the end of training program. The participants were asked few questions about the Internet, Email, Opinion based questions to know about their knowledge in technology adaption under 5T High School transformation.

Comparative Analysis in a Five Point Scale, with respect to the following from 5 to 1 (Excellent-5, Very Good-4, Good-3, Average-2, Poor-1)

The Comparative Analysis: Pre - Assessment Vs Post - Assessment, the graphical analysis is Presented below

Comparative Analysis

Represents % increase in confidence level of teachers

- Use of Various Educational Applications: Pre-Assessment 3.94 (4%), Post-Assessment 4.11
- Use of Various Tools Provided at Smart Lab & Smart Class: Pre-Assessment 3.8 (8%), Post-Assessment 4.11
- Operating/using/demonstrating tools in Interactive Flat Panel: Pre-Assessment 3.5 (15%), Post-Assessment 4.03

MEDIA COVERAGE:

MoSarkar 5T
427 Tweets

Followed by Cooperation_Odisha, 🇮🇳 AMITABH THAKUR 🇮🇳, Faecal Sludge...

Tweets | Tweets & replies | Media | Likes

🔁 MoSarkar 5T Retweeted

District Administration,Keo... ✓ · 15h

A two-day training of teachers on functionality of ICT (Information & Communication Technology) labs installed in high schools transformed under #5T is being conducted across the district.

Total 872 teachers from 442 high schools are participating in the training program. 1/2

CMO Odisha and 3 others

💬 1   🔁 2   ♡ 20

The Statesman

BHUBANESWAR

TUESDAY 19 JULY 2022 **03**

IT capacity building programme held

STATESMAN NEWS SERVICE
BHUBANESWAR, 18 JULY:

A two day capacity building programme involving school teachers on effective use of Information Technology (IT) tools was conducted at Keonjhar district recently.

The programme covered 872 Headmasters and teachers across 13 blocks of Keonjhar district. The training was held at six venues with 12 number trainers covering blocks like Sadar, Jhumpura, Harichandanpur, Anandpur.

A pre-assessment session was conducted where the participants were asked a few questions about the Internet, E-mail, Opinion based questions to know about their knowledge in technology

adoption under 5T High School transformation. Based on the pre-assessment, key focus was given on specific areas where the teachers' need improvement.

The objective of the training is to ensure the effective use of Smart labs and Digital Classrooms, design effective session plans for dissemination of multimedia e-Content, keep the lab functional, safe, and secured and use a learning calendar to deliver the multimedia content as per the timeline.

During the training, the teachers were provided robust hands-on experience on usage of Smart Panel, 21st Century teaching tools using MS office and various Educational Apps.

4:20

← District Administration Keonjhar,...

District Administration Keonjhar,Odisha
Jul 14 · 🌐

A two-day training of teachers on functionality of ICT (Information & Communication Technology) labs installed in high schools transformed under #5T is being conducted across the district.

Total 872 teachers from 442 high schools are participating in the training program.

The objective of the training is to

• Ensure the effective use of ICT lab
• Design an effective session plan for dissemination of multimedia e-Content
• Keep the ICT lab/class functional, safe, and secured by following appropriate steps
• Use of learning calendar to deliver the multimedia content as per the timeline

#Highschooltransformation
#ICTlabsinHighschoolsinKeonjhar
#HighschooltransformationinKeonjhar
#Technology #5T

CMO Odisha Information & Public Relations

Write a comment...

AROUND ODISHA
Truth in true form

IT Capacity Building of Teachers under 5T High School Transformation programme at Keonjhar

21 JULY 2022 THURSDAY

Bhubaneswar, AO Bureau: Capacity building of teachers is one of the most important aspect for efficient use of State-of-art infrastructure at schools. This ultimately makes teachers more efficient and gives them extra time to focus on students. A two day capacity building programme on effective use of IT tools was conducted at Keonjhar district. The programme covered 872 Head masters and teachers across 13 blocks of Keonjhar district. The training was held at six number of venues with 12 number trainers covering blocks like Sadar, Jhumpura, Harichandanpur, Anandpur. A pre-assessment session was conducted where the participants were asked few questions about the Internet, E-mail, Opinion based questions to know about their knowledge in technology adoption under 5T High School transformation. Based on the pre-assessment, key focus was given on specific area where the teachers' need improvement. The objective of the training is to ensure the effective use of Smart labs and

Digital Classrooms, design effective session plan for dissemination of multimedia e-Content, keep the lab functional, safe, and secured and use of learning calendar to deliver the multimedia content as per the timeline, it added. During the training, the teachers were provided robust hands-on experience on usage of Smart Panel, 21st Century teaching tools using MS office and various Educational Apps.

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TRAINING MATERIAL :

A supporting training material was provided to all training participants during the training. The material provides an understanding on the Standard Operating Procedures (SOPs), Roles & responsibilities of authorities, reference for user manuals, dos and don'ts of the components in the smart lab and smart classroom. We are enclosing the copy of training material with the letter, which will be printed and distributed to the training participants.

STANDARD OPERATING PROCEDURES FOR SMART LAB & SMART CLASSROOM

THIS DOCUMENT IS PREPARED FOR PROVIDING AN UNDERSTANDING ON THE STANDARD OPERATING PROCEDURES, ROLES & RESPONSIBILITIES OF THE AUTHORITIES, DO'S AND DON'TS OF THE COMPONENTS IN THE SMART LAB & SMART CLASSROOM.

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OS-CIT

COMPUTING ESSENTIALS

A highly illustrative study material called Computing Essentials By Timothy J. O'Leary & Linda I. O'Leary, is also provided to the training participants.

FEEDBACK :

At the end of the programme, Self-assessment and feedback from the training participants were collected through google form. Feedback collected from participants are furnished below. (In Percentage)

5T Teachers' Training
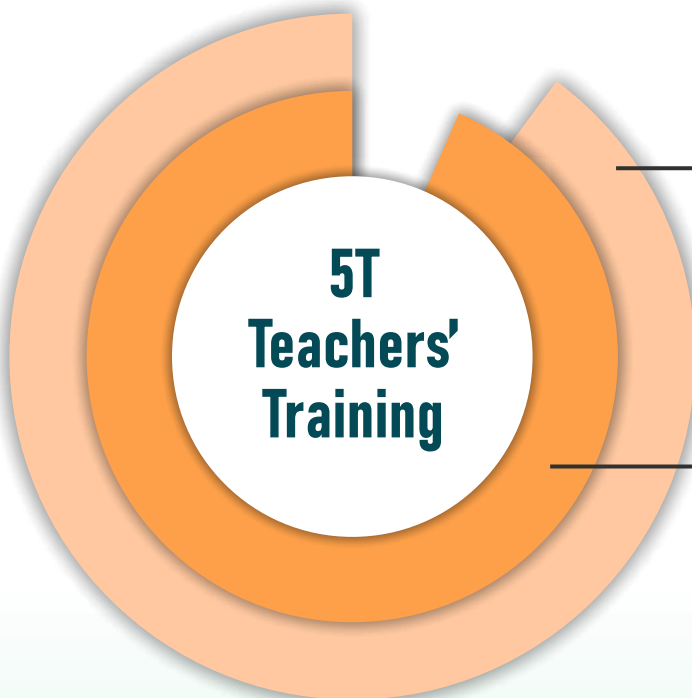
TRAINING OBJECTIVES

95.7 % of participants (Teachers/HMs) responded that, the training objective was clearly understood and rated as Excellent.
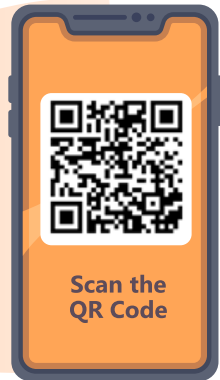
CONTENT COVERAGE

97.7 % of participants(Teachers/HMs) said that the content covered during the training fulfils their expectations.

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What they say!

Training Feedback
Jibaneswar Mahanta, HM,
MAHATAB HIGH SCHOOL, CHAMPUA

Scan the
QR Code

Scan the
QR Code

Training Feedback
Mr. Sanatan Mahanta, HM
SARASKOLA HIGH SCHOOL, PATNA BLOCK

Training Feedback:
Mr. Surendra Jena, HM,
D. N. GOVT. HIGH SCHOOL, ALATI

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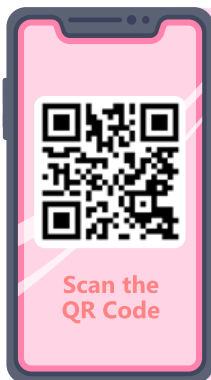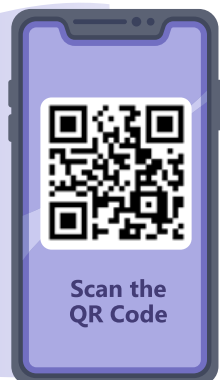
Training Feedback:
Mrs. Sradhanjali Mishra, Assistant Teacher
NANDINI DEVI GOVT. H.S, KANPUR

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What they say!

Training Feedback:
Head Master
GOVT. GIRLS HIGH SCHOOL, DEOGAON

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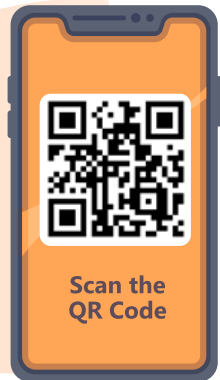
Training Feedback
Mr. Sanatan Khatua
MAHALAXMI NODAL HIGH SCHOOL, PADMAPUR

Training Feedback
Mr. Sadhu Charan Pradhan
L.N. HIGH SCHOOL, CHINAMALIPOSI

Scan the QR Code

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Training Feedback
Mrs. Mandakini Sahoo,
GOVT. U.G. HIGH SCHOOL, JANARDANPUR

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Training Feedback
Mr. Bijaya Panda, Assistant Teacher
BUTASINGH HIGH SCHOOL, PATNA BLOCK

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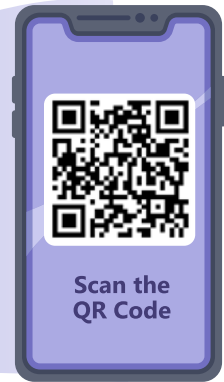
Training Feedback
Mrs. Rupanjali Mishra,
DADHIBAMANA GIRLS HIGH SCHOOL

Teacher's Demonstraion

Scan the QR Code
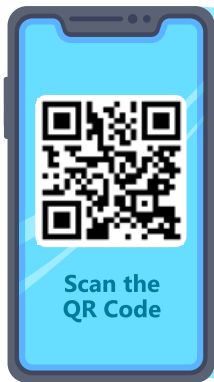
Hands-on-practice Video by Teachers
Training Venue : GIRLS HIGH SCHOOL,
ANANDPUR

CONCLUSION:

The two-day Capacity building programme for Teachers' of Keonjhar district was conducted successfully completed. It was ensured that each participant understands the core concepts and practices tools as teaching aid. As learning and Capacity building has no limits, organizing a periodical refresher training will add value to the Teachers' Community of Keonjhar district for effective transaction at School level. In future, the teachers will access web resources as well as create resources using different tools after training on digital methods and applications.

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