



तत् त्वं पूषन् अपावृणु
केन्द्रीय विद्यालय संगठन

KENDRIYA VIDYALAYA SANGATHAN

ZONAL INSTITUTE OF EDUCATION AND TRAINING
(ZIET)

MYSURU

WORKSHOP MANUAL

**A 5-DAY ONLINE WORKSHOP FOR TGT SOCIAL SCIENCES
ON EFFECTIVE USE OF ICT
IN TEACHING SOCIAL SCIENCES
FROM 08.09.2025 TO 12.09.2025**



KENDRIYA VIDYALAYA SANGATHAN PATRONS



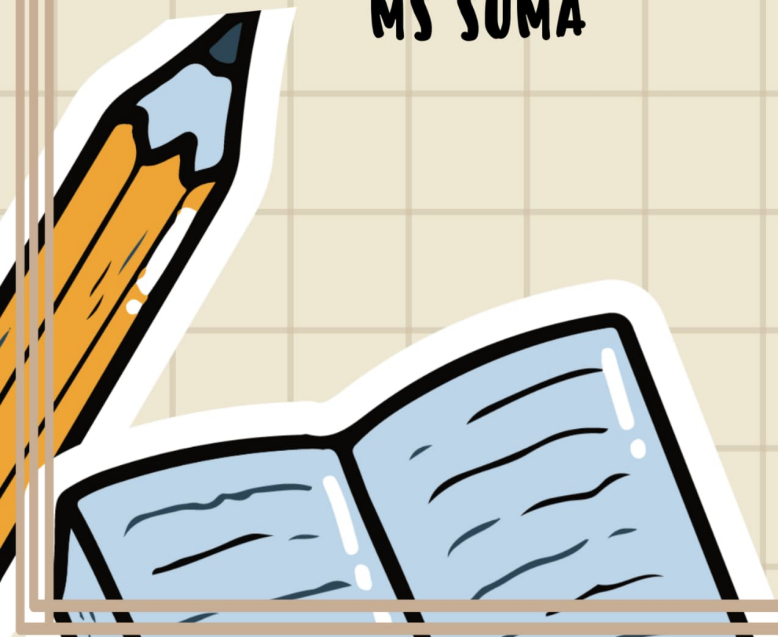
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KVS - ZIET MYSURU

ASSOCIATE COURSE DIRECTOR
MRS. V K SUDHEENA,
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KVS - ZIET MYSURE

INTERNAL GUEST SPEAKER
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MS SUMA

RESOURCE PERSON
MS.REKHA RAJAN
MR.DINESH KUMAR,TA ZIET
MR. D SREENIVASALU



KENDRIY VIDYALAYA SANGATHAN ZONAL INSTITUTE OF EDUCATION AND TRAINING (ZIET) MYSURU

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Role	Name	Designation / Institution
Course Director	Ms. Menaxi Jain	DC & Director, ZIET Mysuru
Associate Course Director	MRS. V K SUDHEENA,	Principal KV NTPC KAYAMULAM
Course Coordinator	Ms. Vineetha N C	TA (Eng.), ZIET Mysuru
Internal Guest Speaker	MR.VIGNESH R	TGT ENGLISH, PM SHRI KV PATTOM (SHIFT II)
Internal Guest Speaker	MS.SUMA	
Resource Person	MS.REKHA RAJAN	PGT Economics, PM SHRI KV PATTOM SHIFT 1
Resource Person	MR.DINESH KUMAR,	TA Physics, ZIET MYSURU
Resource Person	Mr. D Sreenivasalu	TA Maths, ZIET MYSURU



**SCIENCE IS A BEAUTIFUL GIFT TO HUMANITY, WE SHOULD NOT
DISTORT IT .
-DR APJ ABDUL KALAM**



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DO NOT CONFINE YOUR CHILDREN TO YOUR OWN LEARNING, FOR THEY
WERE BORN IN ANOTHER TIME.
- CHINESE PROVERB

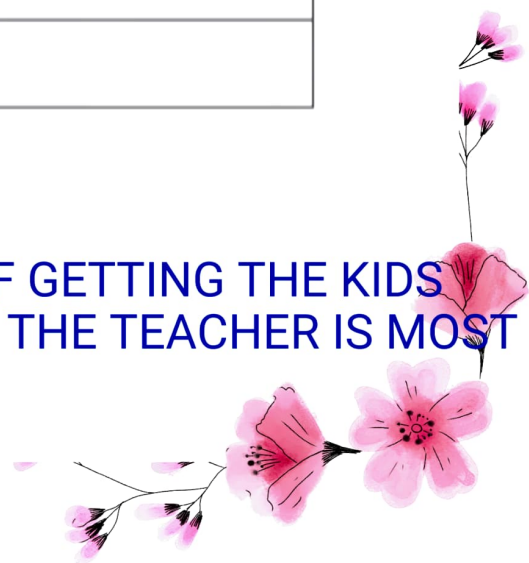


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TECHNOLOGY IS JUST A TOOL. IN TERMS OF GETTING THE KIDS WORKING TOGETHER AND MOTIVATING THEM, THE TEACHER IS MOST IMPORTANT.
- BILL GATES



TIME TABLE FOR ONLINE WORKSHOP ON USE OF ICT IN TEACHING SST

FROM 8-9-2025-12-9-2025

	09.30 - 11 am	11.00 -12 :30	12.30 - 1:00	1:00-2:00 pm
8/9/2025	DESIGNING A TECH-INTEGRATED LESSON	EDUCATION AND TECHNOLOGY – THE SHIFT IN PERSPECTIVE.	BREAK	TECHNOLOGY INTEGRATED EDUCATION AS PER NEP 2020
	MR.VIGNESH R	MS.REKHA RAJAN		ACD
9/9/2025	USE OF AI TOOLS IN CLASSROOM TRANSACTIONS	CYBER SECURITY IN CLASSROOM TRANSACTIONS.		TASK BASED LEARNING WITH TECHNOLOGY
	MR.VIGNESH R	MR.D SREENIVASALU,TA ZIET		MS.REKHA RAJAN
10/9/2025	ENHANCING HIGHER ORDER THINKING SKILLS WITH ICT	USEFUL ICT TOOLS FOR ASSESSMENT AND FEEDBACK.		USE OF INTERACTIVE PANEL
	MS.REKHA RAJAN	MS.SUMA		MR.DINESH KUMAR,TA ZIET
11/9/2025	FLIPPED CLASSROOM USING ICT TOOLS	21ST CENTURY SKILLS FOR HOLISTIC DEVELOPMENT		OBLIGATIONS OF DIGITAL CITIZENSHIP
	MS.REKHA RAJAN	ACD		MR.DINESH KUMAR,TA ZIET
12/9/2025	LANGUAGE BARRIERS AND AGE-APPROPRIATENESS IN USE OF ICT IN CLASSROOMS	PRESENTAION OF ICT BASED LESSON PLANS BY PARTICIPANTS		TEST AND VALEDICTORY FUNCTION
	MS.REKHA RAJAN			

VINEETHA NC

CO-ORDINATOR

MS.MENAXI JAIN

DIRECTOR

TECH GIVES THE QUIETEST STUDENT A VOICE.
- JERRY BLUMENGARTEN

A BRIEF REPORT ON DAY-1 (08.09.2025)

The first day of the Five -day workshop for TGT Social Studies teachers on Effective use of ICT in Social Studies, organized by ZIET, Mysore, commenced with the KVS prayer. This was followed by a keynote address delivered by the Director of ZIET Mysore, Ms. Meenaxi Jain. Subsequently, the resource person Mr. R Vignesh introduced the objectives of the course, setting the tone for the sessions ahead .The first session, led by Mr. R. Vignesh, focused on designing tech-integrated lessons. It emphasized that technology should be used purposefully to enhance student engagement, understanding, and critical thinking, rather than as a superficial tool. The session introduced the S E's Instructional Model (Engage, Explore, Explain, Elaborate, Evaluate) as a framework for creating student-centered, active learning experiences. Practical tools like interactive maps, VR, and Padlet were highlighted, alongside strategies to address challenges like the digital divide

The second session, conducted by Ms. Rekha Rajan, explored the shift in perspective brought by educational technology. It stressed that the core change is a move from teacher-centered instruction to learner-centered approaches, where students explore, collaborate, and create knowledge. The role of the teacher evolves from a knowledge provider to a facilitator of digital literacy and critical thinking. Blended learning models and ICT tools were shown to make education more flexible, inclusive, and assessment more feedback-oriented.

The third session, led by Mrs. Sudheena, connected technology integration to the vision of NEP 2020. It highlighted key initiatives like the National Education Technology Forum (NETF) and digital platforms such as DIKSHA and Virtual Labs. The benefits of personalized learning, inclusivity, and global exposure were discussed, along with challenges including the need for teacher training, overcoming language barriers, and ensuring data privacy.

Overall Conclusion: The workshop underscored that technology is an essential component of modern education, capable of transforming pedagogy when integrated with purpose. The consensus across sessions was that effective technology use requires a shift in mindset, structured instructional models, and alignment with national policy to create engaging, relevant, and equitable learning experiences for all students.

**EDUCATION IS THE MOST POWERFUL WEAPON THAT WE CAN USE TO
CHANGE THE WORLD.
- NELSON MANDELA**

A BRIEF REPORT ON DAY-2 (09.09.2025)

Day two of the programme commenced with the soulful KVS prayer, which set a positive and energized tone for the day. This was followed by a reflection on the previous day's learnings, along with reports presented by the associates that provided a smooth transition into the day's proceedings.

The first session, *Use of AI Tools in Classroom Transactions* by Shri R. Vignesh, was an interactive and practical workshop. The resource person highlighted how AI can bring about a paradigm shift in education by moving from uniform instruction to personalized learning tailored to individual needs. The use of AI tools for automating assessments, generating instant feedback, and managing classrooms was explained with practical demonstrations. Teachers were introduced to platforms like ChatGPT, Canva AI, Magic School AI, and Gemini, which can be effectively used for lesson planning, content creation, and competency-based assessment. Data presented during the session revealed that student engagement significantly increased with AI-based approaches compared to traditional methods, which further underlined the value of AI in teaching-learning practices.

The second session, *Cyber Security in Classroom Transactions* by Mr. D. Sreenivasalu, was an eye-opener on the challenges of digital safety in the education sector. He clearly differentiated between safety and security and explained the risks posed by malware, phishing, ransomware, and data theft. Through case studies, he demonstrated how small vulnerabilities can lead to large-scale data loss. The session also focused on the responsibilities of educators and students in maintaining cyber hygiene, adopting preventive measures, and practicing safe digital behavior. Participants were also guided on how to safeguard themselves online and the right procedures for reporting cybercrimes.

The third session, *Task-Based Learning with Technology* by Ms. Rekha Rajan, introduced participants to the concept of learning through tasks and real-life problem-solving. She explained that unlike rote learning, Task-Based Learning emphasizes student participation and active engagement. The use of technology was shown as a means to enrich this approach, with examples such as multimedia resources to ignite curiosity, collaborative online platforms for teamwork, and interactive applications to enhance problem-solving skills. The resource person stressed that technology should complement and not replace traditional teaching, ensuring a balance between innovation and pedagogy.

Conclusion: The second day of the programme successfully combined technological innovation with responsible practices. The sessions equipped teachers with AI-based strategies to improve efficiency and engagement, raised vital awareness of cybersecurity threats and solutions, and provided a meaningful framework for implementing task-based learning. Together, they offered a vision of how digital tools can be harnessed to create safe, interactive, and learner-centered classrooms

A BRIEF REPORT ON DAY-3 (10.09.2025)

Day 3 of the workshop focused on innovative strategies for integrating Information and Communication Technology (ICT) to enhance teaching, learning, and assessment. The sessions emphasized critical and creative thinking, effective assessment practices, and the use of modern classroom tools.

Session 1: Fostering Higher Order Thinking Skills (HOTS) through ICT

Facilitator: *Ms. Rekha Rajan*

This session highlighted how ICT can promote analysis, evaluation, problem-solving, and creativity in the 21st-century classroom. ICT-based activities encourage student inquiry and exploration, while task-based learning linked to real-life situations strengthens problem-solving skills. The use of interactive tools such as simulations, virtual labs, and collaborative platforms enhances engagement. Ms. Rajan stressed aligning digital tools with Bloom's higher-order thinking levels and encouraged teachers to integrate videos, gamification, and collaborative activities to create dynamic learning spaces.

Session 2: ICT for Continuous Assessment and Timely Feedback

Facilitator: *Ms. S. Suma*

The second session explored ICT tools for assessment, emphasizing that evaluation should guide improvement. Digital platforms like Google Forms, Kahoot, Quizizz, and Edpuzzle make assessments more interactive. Immediate feedback enables students to reflect on their learning, while digital rubrics and peer review foster self-assessment and collaboration. Learning analytics support teachers in identifying gaps and personalizing instruction, ensuring assessments serve as tools for growth rather than judgment.

Session 3: Mastering the Interactive Panel

Facilitator: *Mr. Dinesh Kumar*

This hands-on session demonstrated the advantages of interactive panels over traditional computers. Mr. Kumar showcased how these panels display and manipulate diverse content formats such as text, images, PDFs, and diagrams. Features like split-screen display streamline lesson delivery and enhance classroom management. The intuitive, touch-based interface was shown to make teaching more engaging, interactive, and efficient.

Conclusion

The sessions on Day 3 reinforced the transformative role of ICT in education. Teachers gained insights into fostering higher-order thinking, using technology for continuous assessment, and employing interactive tools for effective classroom delivery. Collectively, the sessions equipped educators with practical strategies to create student-centered, technology-driven learning environments that promote critical thinking, collaboration, and continuous improvement.

A BRIEF REPORT ON DAY-4 (11.09.2025)

The day's programme began with a soulful KVS prayer that created an atmosphere of positivity and reflection. This was followed by the presentation of the previous day's report by the teachers responsible, ensuring continuity of learning and connecting the sessions meaningfully. The focus of the day was on integrating ICT into pedagogy, fostering 21st-century skills, and understanding the role and responsibilities of digital citizenship.

Session 1: Flipped Classroom Model

Facilitator: Ms. Rekha Rajan

The first session introduced the Flipped Classroom approach, where students engage with new content at home through digital resources such as videos, e-books, and podcasts. Classroom time is then used for discussions, debates, and collaborative problem-solving. Tools like YouTube, Google Classroom, Padlet, Kahoot, Quizziz, and Google Forms were highlighted. Practical examples from the Indian Independence Movement and the Law of Demand showed how this method develops critical thinking, collaboration, and lifelong learning.

Session 2: 21st Century Skills

Facilitator: Ms. V. K. Sudheena

This session emphasized the essential competencies students need today. Learning skills included critical thinking, creativity, collaboration, and communication. Literacy skills focused on information, media, and technology literacy, while life skills covered leadership, flexibility, responsibility, and cross-cultural interaction. Techniques such as Think-Pair-Share, Jigsaw, Fishbowl discussions, and collaborative writing were presented to encourage active, student-centered learning.

Session 3: Digital Citizenship

Facilitator: Mr. Dinesh Kumar

The final session explored the meaning, rights, and responsibilities of being a digital citizen. Discussions included the importance of privacy, online safety, ethical digital behavior, and preventing misinformation. Mr. Kumar emphasized that rights safeguard individuals while responsibilities guide safe and respectful online conduct. The session concluded with an interactive quiz via Google Forms to reinforce the concepts.

Conclusion

The sessions together provided a holistic framework for modern education. The Flipped Classroom model highlighted innovative ICT practices, the 21st-century skills session underlined the competencies students need for success, and the digital citizenship discussion addressed the ethical dimension of the digital world. Collectively, the day encouraged educators to blend technology, skills, and responsibility to create engaging and safe learning environments.

A BRIEF REPORT ON DAY-5 (12.09.2025)_

The Fifth day of the programme commenced with the soulful KVS prayer, which filled the atmosphere with positivity and energized all participants for the day ahead.

The first activity of the day began with a reflection of the previous day's sessions, initiated by Associate Course Director **Ms. V. K. Sudheena**. This was followed by the presentation of reports by **Mr. Vishwajeet Rai** (Forenoon sessions) and **Mr. Amit Yadav** (Afternoon session), who briefly summarized the key highlights of the previous sessions.

The first session of the day was conducted by **Ms. Rekha Rajan** on the topic "*Language Barriers and Age-Appropriateness in the Use of ICT in Classrooms.*" The session focused on equipping teachers with strategies to integrate ICT effectively while addressing linguistic diversity and considering learners' developmental needs.

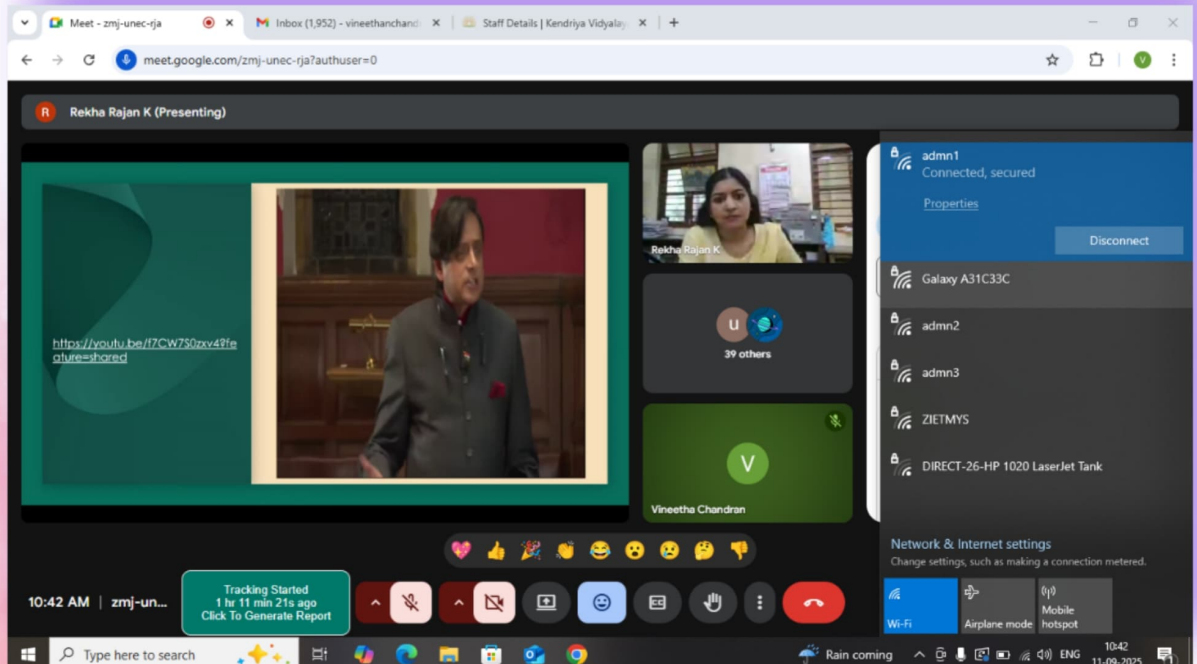
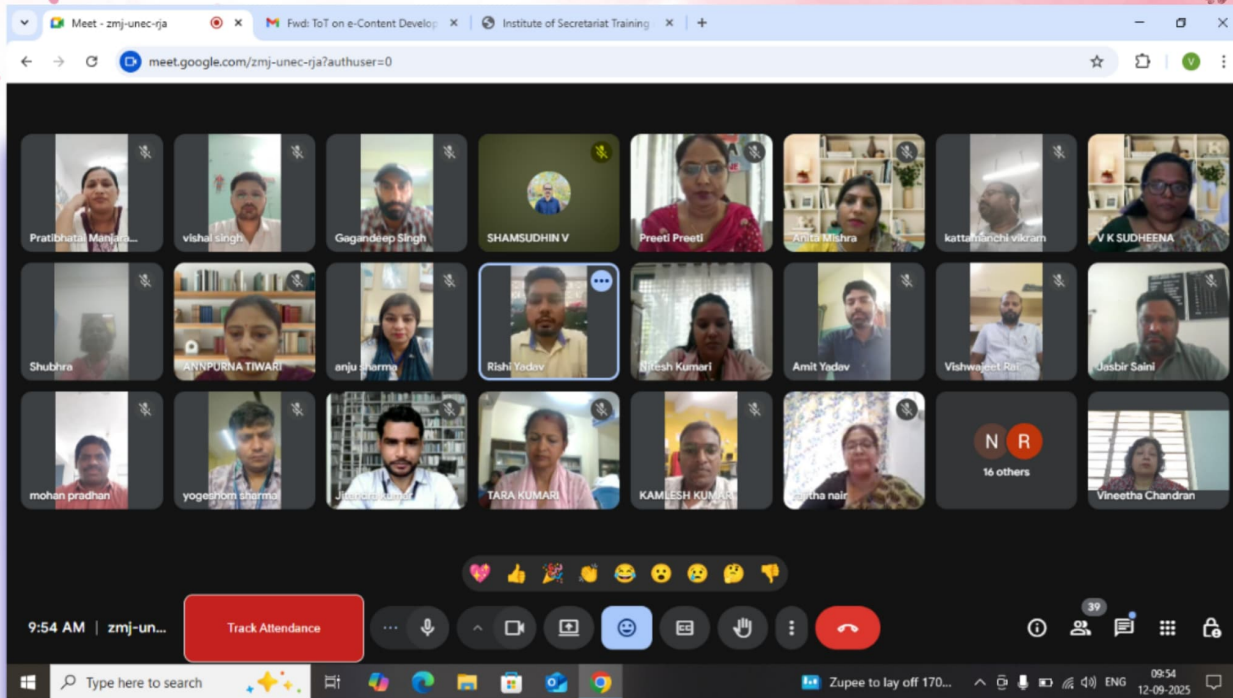
Ms. Rekha Rajan highlighted common challenges such as mismatches between home and school languages, limited multilingual support in ICT tools, and varying dialectal exposures. To address these, she introduced tools like Google Translate, Microsoft Translator, YouTube subtitles, AI-based captioning tools, localized apps, visual aids, and peer collaboration strategies.

The session also emphasized age-appropriate use of ICT tools. For young learners, playful and visual platforms such as Starfall, storytelling apps, and YouTube Kids were recommended. For middle and secondary students, tools like Kahoot, PhET, Canva, and Google Docs were suggested for interactive and collaborative learning. Older students were guided toward advanced platforms such as SWAYAM, edX, and Khan Academy to support independent learning.

A major takeaway was the importance of balancing language learning with technology by using visuals, audio aids, and carefully chosen ICT tools to create inclusive classrooms. An interactive Kahoot-based assessment added engagement and ensured active participation throughout the workshop.

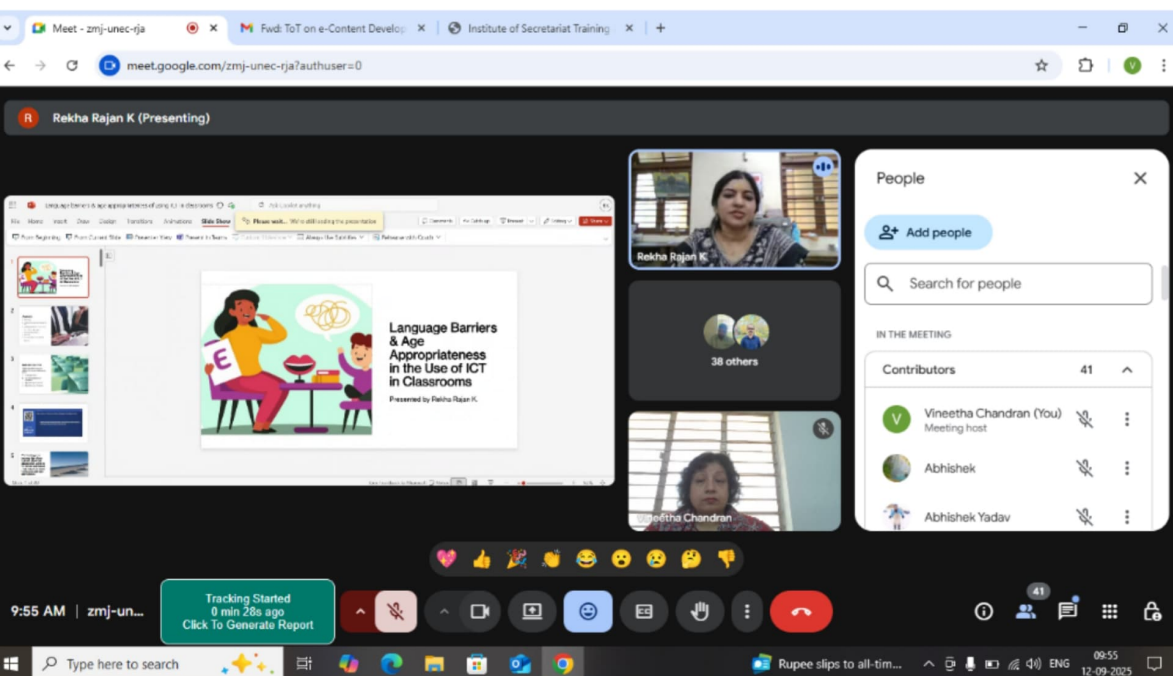
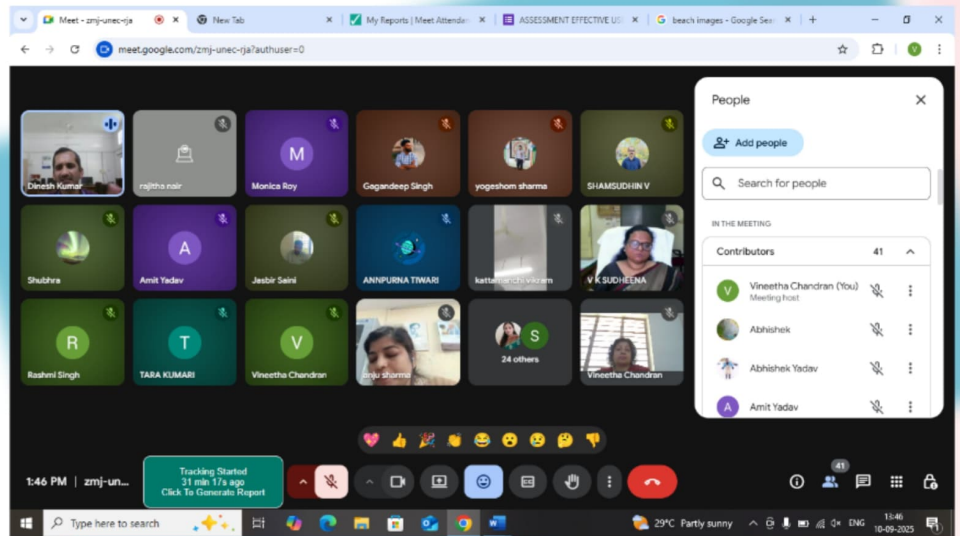
The second session of the day focused on the *Presentation of ICT-based Lesson Plans* by participants including **Mr. Vishal Singh, Mr. Yogesh Om Sharma, Mr. Manish Upadhyay, Mr. Vipul Raj Patankar, Mr. Mohan Pradhan, Mr. Nandakishor Sharma, and Mr. Manish Kumar Shukla**. Each participant showcased innovative ways of integrating ICT into teaching-learning, demonstrating practical approaches to making classroom learning more engaging, inclusive, and effective. At last a online test was conducted and after Valedictory function was conducted and the workshop was completed with great **success**.

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TECHNOLOGY IS THE BEST, WHEN IT BRINGS PEOPLE TOGETHER.

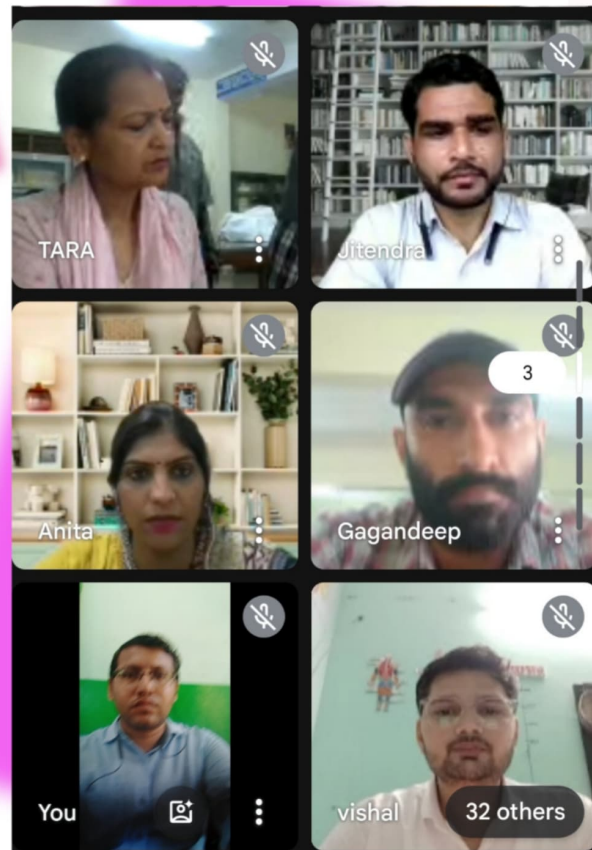
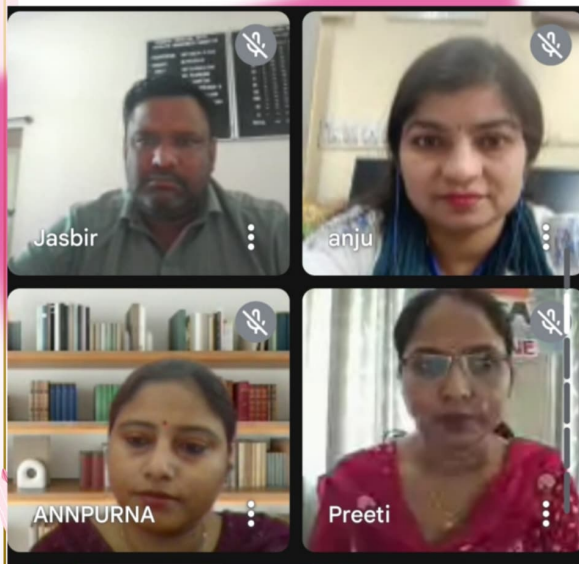
- MATT MULLENWEG



GALLERY

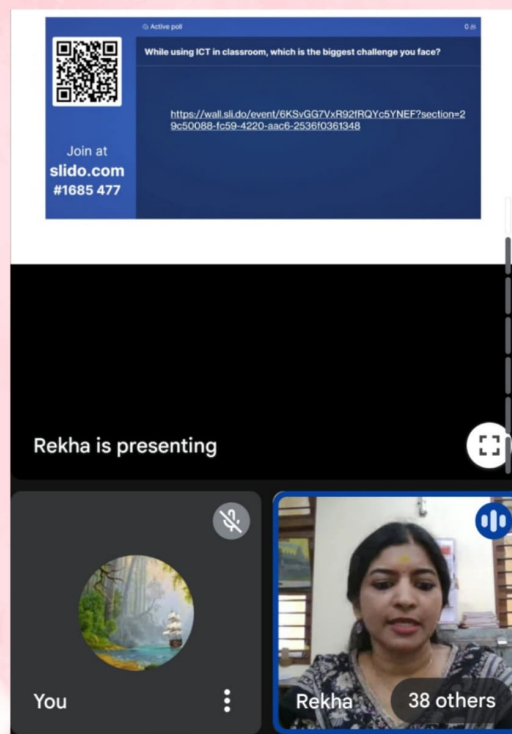
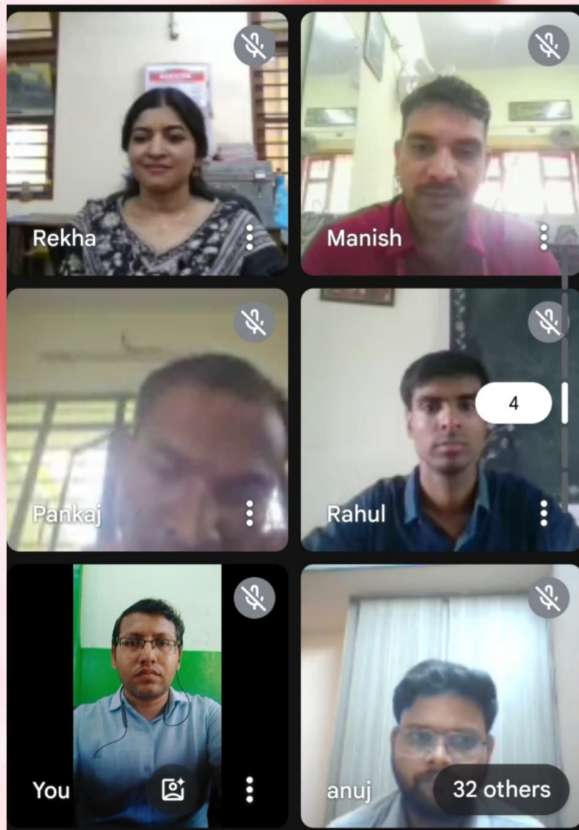
THE GREATEST ACHIEVEMENT OF TECHNOLOGY IS NOT HOW IT CHANGES LIFE, BUT HOW IT IMPROVES IT.
- SATYA NADELLA

GALLERY



**THE ART CHALLENGES THE TECHNOLOGY AND THE
TECHNOLOGY INSPIRES THE ART.
- JOHN LASSETER**

GALLERY





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**TECHNOLOGY WILL NEVER REPLACE GREAT TEACHERS, BUT TECHNOLOGY IN
THE HANDS OF A GREAT TEACHER CAN BE TRANSFORMATIONAL.
- GEORGE COUROS**

THANK YOU