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MSME - Technology Development Centre
कांच उद्योग विकास केंद्र, फिरोजाबाद
Center for the Development of Glass
Industry (CDGI),
Firozabad



MSME TECHNOLOGY DEVELOPMENT CENTRE (CDGI)

MINISTRY OF MICRO, SMALL & MEDIUM ENTERPRISES, GOVT. OF INDIA

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BRIEF DESCRIPTION OF TRAINING PROGRAMME

GENERATIVE AI FOR EDUCATION & RESEARCH

Live Interactive Session

AI in Education and Research – Activity Day 1

Theme: Creating Lesson Plans & Teaching Materials with AI

Agenda

| Introduction & Setup

- Welcome, icebreaker: “Where have you already used AI in daily life?”
- Brief intro to AI in education.
- Setup (log in to ChatGPT, Claude, Gemini, Napkin AI, Curipod, Diffit).

| Activity 1: Creating Lesson Plans with AI

- Explain “What is a prompt?” (examples of weak vs strong prompts).
- Hands-on task:
 - Group 1 → ChatGPT prompt (CBSE Class 10 Science lesson plan).
 - Group 2 → Claude prompt (ICSE Class 8 Math lesson plan).
 - Group 3 → Gemini prompt (TN State Board History lesson plan).
- Sharing outputs: compare quality, accuracy, and style.

| Activity 2: Visual Imagery with Napkin AI

- Demo: paste text (lesson plan) → generate diagram/image.
- Task: each group generates one teaching visual.
- Reflection: how visuals improve student engagement.

| Activity 3: Interactive Lessons with Curipod

- Show how to create polls, quizzes, word clouds.
- Task: design a mini interactive session (e.g., photosynthesis, trigonometry, WWII).
- Run a live Curipod presentation in class.

| Activity 4: Differentiated Content with Diffit

- Demo: import text → simplified/adapted reading levels + questions.
- Task: adapt the WWII content for Grade 7, Grade 9, and Grade 10.
- Group discussion: where differentiated learning is most useful.

| Recap & Reflection

- Each group shares their “best output.”
 - Quick poll: “Which tool would you use in your teaching tomorrow?”
 - Wrap-up + homework: explore one tool in more depth.
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AI in Education and Research – Activity Day 2

Theme: AI for Research, Presentations & Productivity

Agenda

| Recap & Icebreaker

- Quick recap of Day 1.
- Poll with Mentimeter: “What was your favorite tool yesterday and why?”

| Activity 5: Google NotebookLM

- Demo: upload a PDF → summary, mind map, audio/video overview.
- Task: each group uploads a short education article.
- Outputs: generate summary, mind map, and audio explanation.
- Share: compare AI summaries with original content.

| Activity 6: Perplexity AI

- Explain: cited responses, research-style answers.
- Task: groups explore prompts such as:
 - Atomic theory research paper.

- NASA missions overview till 2025.
- Compare outputs with Wikipedia/Google results.
- Discussion: reliability of sources, citation value.

| Activity 7: Mentimeter Interactive Polls

- Demo: word cloud, polls, scales, quizzes, open-ended Qs.
- Task: groups create 2 Mentimeter activities for classroom use.
- Run peer-to-peer interaction (each group presents theirs live).

| Activity 8: Microsoft Copilot

- Demo: draft email, training content, summaries, translations.
- Task:
 - Group 1 → draft test prep email for students.
 - Group 2 → create solar system training module (slides + handouts).
- Present outputs in class.

| Recap & Closing

- Word cloud with Menti meter: “One word that captures AI in education for you.”
- Wrap-up discussion: How do we balance AI use with pedagogy?
- Assign: try integrating one AI tool into a real lesson plan before next session.

👉 This structure ensures **hands-on practice**, group sharing, and reflection for both days, covering **lesson planning, content creation, visuals, interactivity, research, and productivity**.

Date- 20 & 21 September 2025 (2 Days) Time- 5.30 pm to 8.30 pm

1) Course Fee: Rs. 3000/- (Study material in softcopy shall be provided)

Please find below bank details

PAYMENT TO BE MADE ONLY IN CDGI ACCOUNT

Online (NEFT) Transfer to M/o MSME Technology Development Centre CDGI

Account Name: Centre for the Development of Glass Industry

Bank: Axis bank ltd

A/c No. 672010100020712

IFSC Code: UTIB0000672

Pls send screenshot of payment details for seat confirmation

FOR ONLINE PAYMENT IN MSME TECHNOLOGY DEVELOPMENT CENTRE(CDGI) YOU CAN USE BELOW CODE.



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