

ABOUT IIT KHARAGPUR



Kharagpur - a beautiful town tucked away in the eastern corner of India, famous until 1950 as home to the longest railway platform in the world-became the nursery where the seed of the IIT system was planted in 1951. IIT Kharagpur started its journey in the old Hijli Detention Camp in Eastern India, where some of the country's great freedom fighters toiled and sacrificed their lives for India's independence. Spurred by the success of IIT Kharagpur, four younger IITs sprouted around the country in the two following decades, and from these five came thousands of IITians, the brand ambassadors of modern India. It was the success of this one institution at Kharagpur that wrote India's technological odyssey.

The Institute takes pride in its relentless effort to provide the best platform for both education as well as research in the areas of science and technology, infrastructure designs, entrepreneurship, law, management, and medical science and technology. IITKGP is not just the place to study technology, it is the place where students are taught to dream about the future of technology and beam across disciplines, making differences enough to change the world.

APPLICATION DETAILS

Eligibility

Pre-service (enrolled in B.Ed/BA(Edu), MA(Edu), M.Ed or PhD program), in-service teachers as well as teacher educators

Program Schedule

Online Mode
27.11.2026 to 1.12.2026
(10.00 am - 4.30 pm)

Workshop Fees:

Students : Rs 500

Researchers : Rs 1000

Faculty : Rs 1500

Last Day of Registration

1st

Nov, 2026

How To Apply?

Use this link to apply online and follow the steps outlined below:

<https://erp.iitkgp.ac.in/CEP/courses.htm>

Signup → Login → Profile Fillup → Choose a Program → Apply Now

Payment will be done **ONLINE** after shortlisting of applications. It is **FREE to apply** for all.

 **CONTACT US**



**DR APRAMITA CHAND (CONVENOR),
DEPARTMENT OF EDUCATION,
IIT KHARAGPUR**

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TRANSFORMATIVE PRACTICES IN TEACHER EDUCATION:

*Frontier Digital Tools,
Computational Thinking, and
Design Frameworks*

**Indian Institute of Technology Kharagpur
2026**

Five-Day Capacity
Building
Workshop

Online Mode

**27th November, 2026 to
1st December 2026**

ABOUT THE PROGRAM

This intensive professional development initiative bridges the gap between theory and advanced tech, equipping educators to seamlessly embed AI, immersive media, and digital tools into modern curriculum design. Participants will master computational thinking and design thinking methodologies—such as abstraction, algorithmic design, and human-centered problem solving—to help students build strong analytical mindsets for a data-driven world.

The program also introduces integrated STEAM frameworks and strategies for creating sustainable TLMs. Through hands-on practicums and case studies, teachers will learn to design inclusive, student-centered learning environments that translate theoretical tech and resource management into actionable classroom strategies, leaving you fully empowered to inspire the next generation of innovators.

WHAT YOU WILL LEARN?

Program Components

- Changing Paradigms in Teacher Education: Evidences from Case Studies
- Pedagogical Foundations of Transformative Teacher Education
- Demonstration Sessions On Frontier Digital Tools, Virtual Labs, and Simulations
- Hands-on Sessions On Integrating EdTech In The Classroom
- AI-Mediated Tools and Strategies For Curricular Transactions
- Foundations Of Computational Thinking
- Hands-On Session On Applying Computational Thinking Across Subjects
- Design Thinking For Action Research and Project-Based Learning Approaches
- Developing Competency Based Lesson Plans Through Design Thinking
- Modalities of Art Integration for Embedding STEAM Frameworks In Curriculum
- Sustainable Teaching-Learning Materials
- Digital Storytelling Tools and Techniques
- Addressing Ethical Challenges In Contemporary Classrooms

PROGRAM FACILITATORS

Resource Persons will be faculty from IITs, experts from leading Teacher Education Institutions along with researchers actively working in related areas.

ABOUT THE CONVENOR



Dr. Apramita Chand is an Assistant Professor in the Department of Education at IIT Kharagpur. Having dual expertise in Education and Chemistry, she has over five years of experience supervising impactful educational programs.

She has trained over 500+ pre-service teachers and 300+ in-service teachers, empowering them to design innovative pedagogical interventions that successfully pivot modern classrooms away from rote learning and toward hands-on, technology-driven critical thinking.

THE COORDINATING TEAM

Mr Saswata Kumar Dash – 8917531194

Ms Monalisha Padhi – 7606977442

Mrs Kriti Pal – 8016844184

Ms Swornagni Nayak – 6372480450

