Inter University Centre for Teacher Education (IUCTE), Varanasi

in collaboration with

Cotton University, Guwahati, Assam

organizes a

Faculty Development Program on
on
Bhāratīya Jñāna Paramparā (IKS) & Artificial Intelligence: A Prerequisite Blend for 21st Century Education

(For Faculty Members from HEIs)

Offline   **Jan. 05-10, 2026**

Venue : Cotton University, Guwahati, Assam

About IUCTE

The Inter University Centre for Teacher Education (IUCTE), BHU, Varanasi is an Autonomous Institution established by the University Grants Commission (UGC) under section 12 (ccc). Its core mission is to promote excellence in Teacher Education through intervention in Curriculum, Pedagogy, Assessment, Governance, Policy, Planning and Research. IUCTE envisions cultivating quality educators who contribute to a sustainable ecosystem, thus reshaping the Education System in India. IUCTE plays a pivotal role in enhancing the Quality of Teaching and Research,Technology Integration in Education, Advisory Services, National & Global Collaborations, and Influencing the Policy Changes to advance the field of education in general and Teacher Education in particular.
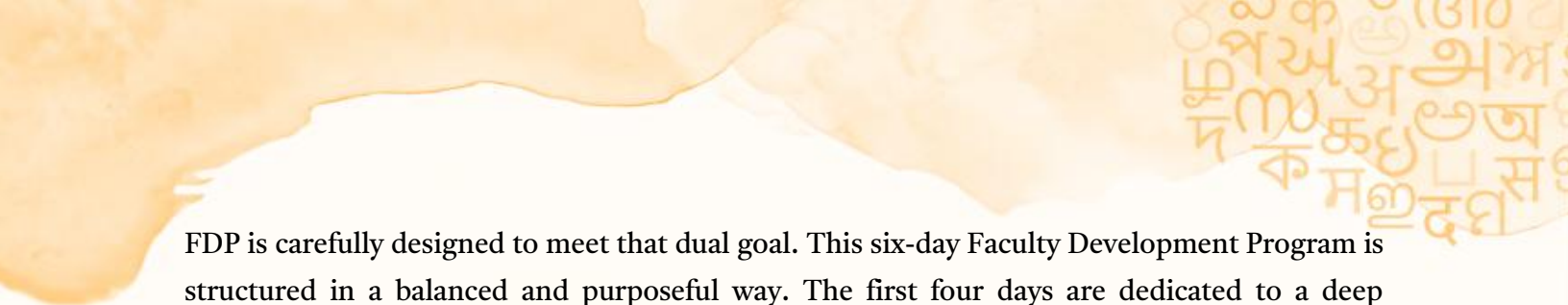
About Cotton University

Cotton University, Guwahati, Assam, is a premier public institution of higher education established by the Government of Assam with the objective of fostering academic excellence, interdisciplinary research, and holistic student development. Rooted in the legacy of the historic Cotton College (established in 1901), the University carries forward more than a century of scholarly tradition while embracing innovation and contemporary educational practices. Its core mission is to advance quality higher education through cutting-edge teaching–learning processes, robust research culture, collaborative academic initiatives, and inclusive institutional governance.

Introduction

In the age of rapid digital transformation and global academic reform, Bhārat's educational system is at a critical point where tradition and technology can come together to shape the future of knowledge. The National Education Policy (NEP) 2020 has laid out a comprehensive vision that not only seeks to modernize education through digital innovations but also to reclaim and integrate Bhāratīya Jñāna Paramparā (Indian Knowledge System— IKS) into mainstream higher education. One of the most exciting opportunities today lies in using Artificial Intelligence (AI) to revive, preserve, and reimagine the vast intellectual traditions of Bhārat.

The Faculty Development Program (FDP) on "Blending Bhāratīya Jñāna Paramparā (IKS) & Artificial Intelligence: A Prerequisite Blend for 21st Century Education" is designed to support this very vision. It brings together two powerful streams—the wisdom of Bhārat's ancient knowledge systems and the possibilities of modern AI tools—to create a unique learning experience for educators. This program is built to provide both a strong theoretical foundation and practical digital skills, helping faculty members contribute meaningfully to curriculum innovation and educational content development rooted in IKS. NEP 2020, right from its opening chapters, emphasizes the importance of Bhāratīyakaraṇa (Indianization) of the curriculum. It strongly recommends a revival of IKS through proper documentation, research, and integration into formal education, especially at the higher level. According to NEP, Bhārat's intellectual and cultural heritage—including areas such as Ayurveda, classical languages, astronomy, mathematics, political science, ethics, and philosophy—must be studied and taught in a way that connects them to contemporary knowledge and needs.

NEP also highlights the interdisciplinary potential of IKS, encouraging educators and researchers to work across fields and find new meaning in these traditional systems. At the same time, Chapters 23 and 24 of NEP 2020 highlight the central role of technology and Artificial Intelligence in reshaping the education system. Chapter 23 calls for integration of AI, data science, machine learning, and digital learning tools across all levels of education to support better teaching and learning outcomes. Chapter 24 goes a step further and discusses how technology can improve assessments, enhance educational research, and promote inclusive and adaptive learning environments. These policy directions make it clear that any future-ready educator must be skilled in both traditional content and modern tools—and this

FDP is carefully designed to meet that dual goal. This six-day Faculty Development Program is structured in a balanced and purposeful way. The first four days are dedicated to a deep exploration of IKS, organized stream-wise so that participants can understand how Bhārat's traditional knowledge systems are relevant across various academic disciplines—such as health and wellness, political economy, mathematics and science, language and literature, and education. These sessions will not only introduce participants to the philosophical foundations, original sources, and practical applications of IKS, but also highlight the core values and indigenous pedagogies that have shaped knowledge in Bhārat for centuries. Participants will engage in discussions, lectures, and reflective activities that help them connect IKS with their own teaching and research areas. Subject experts and scholars from different fields will guide them through authentic resources such as Vedic texts, Śāstric literature, traditional sciences, and commentarial traditions that offer insights into both content and method. These four days will form the conceptual core of the program, offering a rich and structured overview of Bhāratīya Jñāna Paramparā. In the last two days, the focus will shift to AI tools and their practical applications in the field of IKS.

Participants will receive hands-on training in using AI platforms for content creation, curriculum design, lesson planning, and educational resource development. They will explore how Natural Language Processing (NLP) can help with the study of Sanskrit texts, how AI-based platforms can be used to create interactive modules on IKS, and how data analysis tools can support research in traditional systems such as Ayurveda or Arthashāstra. The emphasis will be on practical usability—so that teachers and scholars can immediately apply what they learn to their own institutions and academic work. This two-part structure ensures that on one hand, participants will gain a deep understanding of IKS, and on the other hand, they will become confident in using modern AI tools to preserve, analyze, and teach this knowledge effectively. Throughout the program, participants will also reflect on the ethical aspects of AI, especially in the context of Bhāratīya values like balance, fairness, integrity, and responsibility. To assess learning outcomes, participants will be required to complete assignments based on the topics covered in the sessions. These assignments will encourage them to create AI-assisted lesson plans, study materials, or small-scale projects based on IKS themes, ensuring that the program results in practical, usable outcomes for their teaching and research. Completion of all assignments is necessary to receive certification.

Objectives

- To develop a clear understanding of **Bhāratīya Jñāna Paramparā (IKS)** across various academic disciplines and its relevance in contemporary education.

- To explore the **vision of NEP 2020** regarding the integration of IKS and technological advancements in higher education.

- To provide faculty members with exposure to **authentic resources, texts, and philosophical foundations** of IKS through stream-wise thematic sessions.

- To introduce educators to **AI tools and platforms** that can assist in developing digital content, lesson planning, and research aligned with IKS.

- To offer **hands-on training** in using AI for interpreting classical texts, creating interactive learning materials, and conducting educational research.

- To promote interdisciplinary thinking by **connecting traditional Bhāratīya knowledge systems with modern technological approaches**.

- To cultivate an understanding of the **ethical and cultural aspects of AI usage** in education, guided by Bhāratīya values.

- To enable participants to create **AI-supported, NEP-aligned teaching-learning materials** based on IKS, and assess their learning through practical assignments.

Key Themes (for Six-Day Program)

- **Day 1: Arts and Aesthetics in Bhāratīya Tradition**
- Exploring Indian Classical Arts, Performing Traditions, Aesthetic Theories, and **AI** Tools for Cultural Preservation and Pedagogy
- **Day 2: Humanities and Language Sciences**
- Bhāratīya Darśana, Śāstric Literature, Sanskrit & Classical Texts with **AI**-based Content Generation
- **Day 3: Social Sciences and Indigenous Knowledge**
- Traditional Systems of Governance, Arthashāstra, Sociology, and **AI** Applications.

- **Day 4: Life Sciences and Wellness Systems**

  *Ayurveda, Ethnobotany, Traditional Healing Practices and Using **AI** for Digitization, Data Analysis, and Educational Content*

- **Day 5: Physical and Mathematical Sciences**

  *Vedic Mathematics, Astronomy, and Ancient Scientific Logic with **AI** Tools for Simulation, Visualization, and Interactive Learning*

  Day 6: Technology Meets Tradition

  *Integrating **AI** in Curriculum Design, Resource Creation, and Assessment for IKS-Based Teaching—Presentations & Peer Review*

Target Audience

Higher Education Faculty Members from the HEIs of Assam/Northeast

Promotion Opportunities under CAS

Participants will be awarded a certificate after successful completion, which will be considered for promotion under the Career Advancement Scheme (CAS).

Important Dates

Registration Start Date	01/12/2025
Registration End Date	25/12/2025

Registration Link

https://iucte.ac.in/program/

Venue

Cotton University, Guwahati, Assam

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