

NEP 2020 Initiatives

Certificate Course on Indian Knowledge System (IKS) for Teachers

The Indian Knowledge System (IKS) encompasses the vast and diverse heritage of India's intellectual, philosophical, and cultural traditions. This certificate course aims to provide teachers with a comprehensive understanding of the IKS, its relevance, and its application in contemporary education. By integrating IKS into the modern educational framework, teachers can enrich their pedagogy, foster holistic learning, and contribute to the preservation and dissemination of India's rich heritage.

Course Objectives

1. To introduce teachers to the fundamental concepts and various domains of the Indian Knowledge System.
2. To enable teachers to integrate IKS with contemporary subjects and enhance the cultural context of their teaching.
3. To equip teachers with innovative teaching methods rooted in IKS for effective classroom management and student engagement.
4. To encourage research and development in the field of IKS and its applications in modern education.
5. To promote the holistic development of students through the incorporation of IKS in the curriculum.

Course Duration:

- Total Duration: 30 hours
- Mode: Online/Offline
- Frequency: Twice a week (2 hours per session)

Course Structure

The course is designed to be completed over a period of six months, with a blend of theoretical and practical modules. It includes lectures, workshops, assignments, and projects.

Module 1: Introduction to Indian Knowledge System

- Overview of IKS: Definition, Scope, and Significance
- Historical Evolution of IKS
- Key Texts and Sources in IKS

Module 2: Philosophical Foundations

- Vedic and Upanishadic Thought
- Indian Philosophical Schools: Nyaya, Vaisheshika, Sankhya, Yoga, Mimamsa, Vedanta
- Ethical and Moral Dimensions in IKS

Module 3: Scientific and Technological Contributions

- Ancient Indian Mathematics and Astronomy
- Ayurveda and Traditional Medicine
- Contributions to Physics, Chemistry, and Metallurgy

Module 4: Arts, Literature, and Linguistics

- Classical Literature and Poetry
- Indian Classical Music and Dance

- Sanskrit and Other Classical Languages
- Module 5: Education and Pedagogy in IKS
- Traditional Indian Education Systems (Gurukul, Pathshala)
 - Pedagogical Approaches and Methods
 - Integrating IKS in Modern Curriculum

Evaluation

Participants will be evaluated based on their participation, assignments, and a final examination.

Certification

Successful candidates will receive a certificate from Tilak College of Education, Pune, recognizing their proficiency in the Indian Knowledge System and its application in education.