

राष्ट्रीय तकनीकी शिक्षक प्रशिक्षण एवं अनुसंधान संस्थान, चंडीगढ़
National Institute of Technical Teachers Training and Research, Chandigarh

APPLIED SCIENCE DEPARTMENT

SHORT TERM COURSE:

Name of the course : **Indian Knowledge System: Science and Technology** (National Level)
 Dates and Duration : **28-07-2025 to 01-08-2025**
 Venue : Online
 TAC No. : CP-25-265

OBJECTIVES:

The aim of this course is to train faculty members, scientists, industrial personnel, ME/MTech/PhD scholars, technical staff, etc., on the **Indian Knowledge System (IKS)**.

CONTENTS:

The course is arranged in a series of informative expert lectures on **Core Foundations of IKS: Vaisheshika Philosophy of Atomism. Health and Wellness:** Culinary, Nutritional and Pharmacological Sciences. **Science & Technology:** IKS – Indian Mathematics, IKS – Astronomy, IKS – Chemistry, IKS – Metallurgy, IKS – Engineering and Technology, Mechanical & Digital Design & Engineering, IKS – Town Planning and Architecture, Science and Technology in Modern India. **Innovation and Policy:** IKS – Intellectual Property Rights, etc. The quiz will be an integral part of the program.

ELIGIBILITY: Faculty members of Polytechnic/Eng. colleges and universities, scientists, industry personnel, and ME/MTech/PhD scholars. Limited seats are available for technical staff.

Tentative Timetable

Day and Date	Session-I 10:00 - 11.30 AM	Session-II 11.30 - 1.00 PM	LUNCH BREAK	Session-III 2.30 – 4:00 PM	Session- IV 4:00 - 5.30 PM
Monday 28-07-2025	Introduction to IKS- Science and Technology (9:30 am-10:00 am)	Vaisheshika philosophy of atomism (10:00 am- 1:00 pm)		Culinary, Nutritional and Pharmacological Sciences	Quiz/ Discussion
Tuesday 29-07-2025	IKS - Indian Mathematics			IKS – Astronomy	Quiz/ Discussion
Wednesday 30-07-2025	IKS – Chemistry	IKS – Metallurgy		IKS -Intellectual Property Rights	Quiz/ Discussion
Thursday 31-07-2025	IKS-Mechanical & Digital Design & Engineering	IKS – Engineering and Technology		Science and Technology in Modern India	Quiz/ Discussion
Friday 01-08-2025	IKS – Town Planning and Architecture	IKS-Fashion and Interior Design		Comprehensive Quiz, Feedback, and Valediction	

Note:

1. Sessions I & II shall comprise of two lectures from 10:00 AM – 01:00 PM (if not mentioned otherwise).
2. Session III will be conducted from 02:30 PM – 04:00 PM (if not mentioned otherwise).
3. Session IV will be Quiz/ Discussion conducted from 04:00 PM – 05:30 PM (if not mentioned otherwise).
4. Coordinators/Experts will interact with the participants through the Google Meet link.