

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 : **Refresher Course on Indian Knowledge System** (National Level)  
Dates and Duration : **21-07-2025 to 01-08-2025**  
Venue : Online  
TAC No. : CP-25-263

**OBJECTIVES:**

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

**CONTENTS:**

The course is arranged in a series of informative expert lectures on **Core Foundations of IKS**: IKS – Linguistics, IKS – Indian Philosophical Foundations, Vaisheshika Philosophy of Atomism, IKS – Arthaśāstra. **Health, Wellness & Psychology**: Yoga – Influence of Yoga, IKS – Health, Wellness, and Indian Approach to Psychology, 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. **Environment & Sustainability**: IKS – Environmental Sustainability. **Agriculture & Veterinary Sciences**: Agricultural Sciences, Veterinary and Animal Husbandry. **Arts, Culture & Society**: Performing Arts, IKS – Women-led Societal, Political, Scientific, and Engineering Development, Influence of IKS on Art, Culture, and Western Thinkers, Fashion and Interior Design. **Innovation, Policy & Education**: IKS – Intellectual Property Rights, Edutainment Sciences, 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

### First Week

Day and Date	Session-I 10:00 - 11.30 AM	Session-II 11.30 - 1.00 PM		Session-III 2.30 – 4:00 PM	Session- IV 4:00 - 5.30 PM
Monday 21-07-2025	Inauguration, and Introduction to STC	Introduction to the Indian Knowledge System	LUNCH BREAK	IKS – Linguistics	Quiz/ Discussion
Tuesday 22-07-2025	IKS - Indian Philosophical Foundations	IKS-Yoga and Influence of Yoga		IKS – Arthaśāstra	Quiz/ Discussion
Wednesday 23-07-2025	IKS-Agricultural Sciences	IKS-Veterinary and Animal Husbandry		IKS- Performing Arts	Quiz/ Discussion
Thursday 24-07-2025	IKS – Health, Wellness, and Indian Approach to Psychology	IKS- Environmental Sustainability		IKS-Edutainment Sciences	Quiz/ Discussion
Friday 25-07-2025	IKS- Women led societal, political, scientific and engineering development	Influence of IKS on Art, Culture, and Western Thinkers		Comprehensive Quiz	

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**Second Week**

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	Vaisheshika philosophy of atomism			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.