

SHORT TERM COURSE &  
PROFESSIONAL DEVELOPMENT PROGRAM  
On  
**Samkhya and Yoga Sutras for  
Contemporary Life and Modern  
Science**

(Starting 12 Dec 2025 – 25 online hours)



Organized by

Center for Indian Knowledge Systems  
Indian Institute of Technology Roorkee  
Roorkee

&

Continuing Education Centre  
Indian Institute of Technology Roorkee  
Roorkee – 247667  
Uttarakhand

### OBJECTIVES

Whether knowledgeable in Bharatiya darshanas or a beginner with inquisitive spirit, this course is planned to help one immerse in the intellectual and experiential nuances of knowing oneself through the lens of core Indian Knowledge Systems (IKS), while presenting the concepts and ideas in an accessible manner for all who are accustomed to modern educational pedagogy.

The course intends to develop in the student the ability to appreciate the deep philosophy in IKS, especially that in the Samkhya Karikas and Yoga Sutras, and utilize the same to create a balanced and meaningful life by developing their own models based on these concepts and ideas.

Finally, it will also be demonstrated how the philosophical ideas of self and its relationship with the world as per IKS can be mathematically formalized using modern scientific tools like quantum physics in order to create a novel description of the behaviour of real complex systems. This could be a stepping stone in utilizing IKS philosophy to solve real-world problems in science and engineering, while emulating intelligence in artificial systems in a meaningful and explainable way.

### WHO SHOULD ATTEND?

Students, academicians, engineers, industry professionals, individual practitioners, consultants, entrepreneurs and anyone who is willing to open their hearts and minds to receive the deep knowledge of one's own true self and its relationship with the existence.

**Minimum qualification** would be students who have started their graduation program and have an exposure to basic scientific principles covered in high school.

The course will be **delivered online in English**, with some Sanskrit quotations used intermittently.

**Institute for Science and Spirituality, Delhi** is a Knowledge Partner for this course.

### MODULES IN THE COURSE

Scientific Approach in IKS  
The Human Condition and Notion of Self  
Samkhya Model of Existence  
Patanjali's Ashtanga Yoga for Contemporary Life  
Model of Self and Reality in IKS  
Quantum Formalism of Perception and Reality in Light of IKS

Practical exposure to some of the yogic techniques will be given during the lecture hours.

### TOPICS/CONCEPTS THAT WILL BE COVERED

Pramaana – Valid means of knowing (proofs)  
Trigunas – Sattva, Rajas, Tamas  
Shariratraya – Sthula, Sukshma, Karana levels of existence and their systematic representation in the human body  
Chitta, Chitta-Vritti and Chitta Vikshepa  
Samkhya as an Analytical Philosophy  
Deeper Reflection on the 25 Elements of Samkhya  
Yama-Niyama Framework for Contemporary Life  
Core Principles in Asana, Pranayama and Pratyahara  
Attributes of Dharana, Dhyana and Samaadhi  
Reality from the Vantage Point of Self  
Foundations of Quantum Cognition  
Quantum Formalism and IKS insights  
Top-down models of perception, action, self and memory in IKS philosophy  
Advancing modern science through IKS lens

### PROGRAMME FEE

The **number of seats is limited** to 60 only. It would be purely on first come first serve basis. The program fee includes course material and 18% GST.

International Participant	INR 11800/-
Academicians and Gol Service	INR 7670/-
Student	INR 6490/-
Industry & Corporate Professional	INR 9086/-
Entrepreneur	INR 10030/-
Individual Practitioner/ Consultant	INR 8850/-
Other	INR 8260/-

**\*The last date of registration is 10-Dec-2025.**

**\*Note: Participants would receive Certificate for participation, subject to 75% attendance and 50% marks in all quizzes combined.**

### PAYMENT AND REGISTRATION:

<https://forms.gle/FLkkuVjyzDwUG66RA>

Please check the link above to see if the form is still accepting registrations (since there is a seat limitation of 60). Then proceed to payment and upload transaction record in the registration form. **Payment details is given inside the form itself.**

In case of any issue, please contact the course coordinator Dr. Sohom Chakrabarty.

### IMPORTANT NOTE

The decision to run the course depends on the response and the number of candidates. It is therefore advised that the candidates should proceed to join the course only on receipt of confirmation of admission.

### SPONSORSHIP

Potential sponsors are invited to support the course as partners. Their association will be duly recognized within the course conduction and/or certification. The below table **excludes 18% GST** which must be added to the sponsorship amount before sending it through the **same online payment system** indicated inside the course registration form.

Course Partner	INR 100000/-
Vision Partner	INR 50000/-
Knowledge Partner	INR 25000/-
Associate Partner	Any amount above INR 25000/-

### COURSE COORDINATOR

**Dr. Sohom Chakrabarty**

**Associate Professor**

**Center for Indian Knowledge Systems**

**Indian Institute of Technology**

**Roorkee – 247667**

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### COURSE INSTRUCTORS

**Dr. Sohom Chakrabarty, IIT Roorkee**

**Dr. Jyotiranjana Beuria, ISS Delhi**

### CONTINUING EDUCATION CENTRE (CEC)

CEC offers a platform for the professionals and officials to relearn the fundamentals and the advances made in the cutting edge science and technologies. It helps the professionals to unlearn the obsolete and to acquire the advanced knowledge from the experts and peers in

different areas. The courses are offered in varied and flexible formats and are led by faculty of this Institute in various Departments and Centers.

### IIT ROORKEE



The Indian Institute of Technology Roorkee has an illustrious history and a glorious past. It has its foundation in the Thomson College, which was founded in 1847, to train technical manpower for construction of Ganga canal. It was the first Engineering College in the then British Empire. In The year 1949, this great institution was accorded the status of the first technological university of independent India and was renamed as University of Roorkee. On September 21, 2001, the Government of India declared it as the Nation's seventh Indian Institute of Technology.

### INSTITUTE FOR SCIENCE AND SPIRITUALITY



Institute for Science and Spirituality (ISS) Delhi is recognized as an IKS Research Center by the Ministry of Education's IKS Division in December 2022. ISS has brought together leading scientists and scholars, organized multiple international conferences, offered IKS courses, and pursued cutting-edge research.