

# Online Lecture Series on **INDIAN KNOWLEDGE SYSTEM (IKS)**

An Initiative of

“CENTRE FOR ANCIENT INDIAN SCIENCE, TECHNOLOGY,  
ENGINEERING AND MATHEMATICS, NITTTR KOLKATA” and  
“CENTRE FOR INDIAN KNOWLEDGE SYSTEMS, IIT GUWAHATI”



राष्ट्रीय तकनीकी शिक्षक प्रशिक्षण एवं अनुसंधान  
संस्थान, कोलकाता

(शिक्षा मंत्रालय, भारत सरकार)

National Institute of Technical Teachers'  
Training and Research, Kolkata

(Ministry of Education, Government of India)



**PROF. DEBI PRASAD MISHRA**

Director, NITTTR, Kolkata and  
Adjunct Faculty, Centre for Indian  
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## **Relevance of Traditional Indian Technology in Modern Time**

On 24<sup>th</sup> November 2023, Friday  
4 PM to 5 PM



Free online Registration Form Link :  
<https://forms.gle/wb5CKqemGdt5ru4C9>

## BIO SKETCH OF PROFESSOR DEBI PRASAD MISHRA

Dr. Debi Prasad Mishra, a professor in the Department of Aerospace Engineering and Design Programme, Indian Institute of Technology Kanpur (IITK) and an adjunct Professor in Centre for Indian Knowledge System, IIT, Guwahati is currently working as the Director of NITTTTR Kolkata. Currently he is also working as the chairman, BoG, Govt. College of Engineering, Kalahandi. His areas of interests are Propulsion, Combustion, and Atomization. He had held Indian Oil Golden Jubilee Professional Chair in IIT Kanpur. He has authored 5 textbooks and 9 edited books in the field of combustion and propulsion. He has published more than 260 research papers in International/National Journals and conferences and five patents to his credit. He has designed and developed a unique MOOC course, “**Introduction to Ancient Indian Technology**” on Swayam platform of NPTEL. Over last 10 years, he has delivered several invited lectures on ancient Indian science & technology and culture & tradition to more than 1.5 lakh people across India to revive and re-establish ancient scientific and technological culture of India. He has delivered several lectures and discussion on TV and radio related to Ancient Science and Technology and other different topics. He is well known as a motivational speaker and is very popular among youth circles.

## RELEVANCE OF ANCIENT INDIAN TECHNOLOGY IN MODERN TIME

### Synopsis

Modern technologies have created irrevocable damage not only to the ecology but also to the minds of human beings. As a result, there is a great threat to the very existence of life on this beautiful earth in the near future. This frightening scenario of extinction of life on this earth put forward by certain sections of the scientific community has been attributed to the excessive misuse of resources and modern technologies in the name of development. In order to overcome the imminent crisis of ecological imbalances, degradation of human values, and increasing social anarchies, it is important to peep into annals of sustainable technologies in ancient India. In this lecture, an attempt has been made to illustrate about efficacies of ancient Indian technologies by considering a few examples. An attempt has been made to review some of the ancient technologies in light of relevance in modern times as ancient technologies are inherently sustainable even in the light of the contemporary world. It is advocated to revive and rejuvenate ancient technologies in new and innovative forms to meet the demands of modern times so that ancient Indian technological heritage can be re-established for a bright future of our glorious motherland.