

KRISHNA UNIVERSITY
UG Board of Studies for Indian Knowledge Systems



Indian Knowledge Systems (IKS) -I
SEMESTER – II

For All Streams – B.A., B.Com., BBA, B.Sc., Vocational programmes



Course Overview

The course on Indian Knowledge Systems (IKS) introduces students to the rich intellectual traditions of India and their continuing relevance in the modern world. It provides a multidisciplinary perspective on how knowledge was created, preserved, and applied across diverse fields such as philosophy, logic, linguistics, literature, mathematics, astronomy, medicine, architecture, agriculture, metallurgy, ecology, governance, and the arts. The curriculum blends classical texts, oral traditions, and indigenous practices with contemporary research, encouraging critical reflection and comparative understanding with modern scientific paradigms. The course also aims to highlight the practical applications of IKS in addressing present-day challenges such as environmental conservation, health and well-being, community-based resource management, and social harmony.

LEARNING OUTCOMES

By the end of this course, learners will be able to:

1. Understand the foundational principles and sources of Indian Knowledge Systems (IKS) in the context of political economy..
2. Describe the evolution of trade and economic administration across ancient and early medieval periods.
3. Appreciate the ancient Indian theories of physical world especially Vaisesika philosophy.
4. Explain philosophical underpinnings of Yoga system.
5. Understand the rich mathematical systems like the Vedic mathematics, contributions of Aryabhatta and Brahmagupta.
6. Form an idea about advancements in ancient Indian medical systems, contributions of Charaka and Susruta.

Course Content

UNIT I:

Foundations of Indian Knowledge Systems - Ancient Democratic Communities and Janapathas. – Political Economy in Kautilya's Arthashastra - Statecraft and Economy - Concept of Artha, Dharma, Karma and their relation to business ethics

Ancient trade routes: Uttarapatha, Dakshinapatha, Silk Road, and maritime routes-Currency, weights and measures, contract systems, credit instruments (Hundi)

UNIT – II

Indian Philosophical Systems – Six Darshanas – Vaisesika theory of Saptapartha - Atomic Theory – Nyaya theory of Logic – Pramanas – Anumana Prama (Inference) – Philosophical and Ethical foundations of Yoga – Patanjali – Ashtanga Yoga.

UNIT-III

Ancient Vedic Mathematics – Contributions of great Indian mathematicians – Aryabhatta and Brahmagupta.

Study of Ayurveda, its diagnostic methods, and therapeutic practices-Understanding the holistic approach to health encompassing physical, mental, and spiritual well-being - disease management, elements of wellness—and their intersections with botany and medical science – Contributions of

Charaka and Susruta.

Suggested Readings:


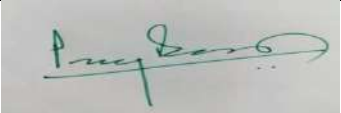

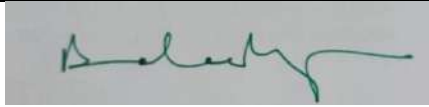

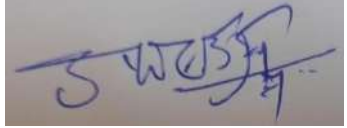

CHAPTER I


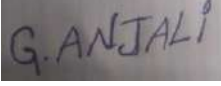
1. Indian Knowledge System: An Introduction, Kapil Kapoor & Michel Danino, Central Institute of Higher Tibetan Studies
2. Introduction to Indian Knowledge System: Concepts and Applications, B. Mahadevan, Balasubramanian & Haldorai, PHI Learning, 2022
3. Crafts and Commerce in Pre-colonial India, Satish Chandra Har-Anand Publications
4. Indian Business History: Issues and Perspectives by Dwijendra Tripathi Oxford University Press
5. *Bhagavad Gita* – Chapters 2, 3, 18
6. *Arthashastra* – Books I & II
7. *Mahāparinibbāna Sutta* (from Pali Canon)
8. *Mahabharata Shanti Parva* (selected passages)
9. **Nyaya Sutras** – Book 1 (Pramāṇas & logic)
10. **Vaisesika Sutras** – Chapters 1–2 (Padarthas)
11. **Yoga Sutras** – Sadhana Pada (Ashtanga Yoga)
12. **Sulba Sutras** – Geometry basics
13. **Aryabhatiya** – Ganitapāda
14. **Brahmasphutasiddhanta** – Chapters 12 & 18
15. **Charaka Samhita** – Sūtra + Nidāna + Cikitsā
16. **Sushruta Samhita** – Sūtra + Śārīra
17. **Ashtanga Hridaya** – overview

DECLARATION

The UG Board of Studies for Indian Knowledge Systems (IKS) held its online meeting on 28-03-2026 at 3.00 PM. The meeting is presided over by Dr. Illa Ravi, Chairman of the BoS. The following Members were present at the Meeting and unanimously approved the above syllabus for Indian Knowledge Systems –I, an Audit Course for SEMESTER –I for all the streams – B.A., B. Com., B.Sc., BBA and Vocation Programmes offered by Krishna University.

As this is an Audit Course without any credits and examination, no Model Question Paper is prepared.

S. No	Name & Address	Designation	Signature
1	Dr. Illa. Ravi Principal & Ex- Lecturer in Philosophy Govt Degree College, Mylavaram	Chairman	
2	Dr. R. Praveen Dathu. Lecturer in Zoology Government Degree College, Tiruvuru	Member	
3.	Dr. M. Hari Prasad Lecturer in History Government Degree College, Kaikaluru	Member	
4.	Dr. D.S.V.S. Bala Subramanyam Lecturer in Public Administration SRR & CVR GDC, Vijayawada	Member	
5.	Dr. Movva Srinivasa Reddy Lecturer in History,Andhra Loyola college, Vijayawada	Member	
6.	Dr. Kanukollu Balakrishna Lecturer in Telugu SWR GDC for Girls, Kanchikacherla,	Member	
7.	Dr. G. Kondala Rao Rtd. RNU Head, Door Darshan	Member	

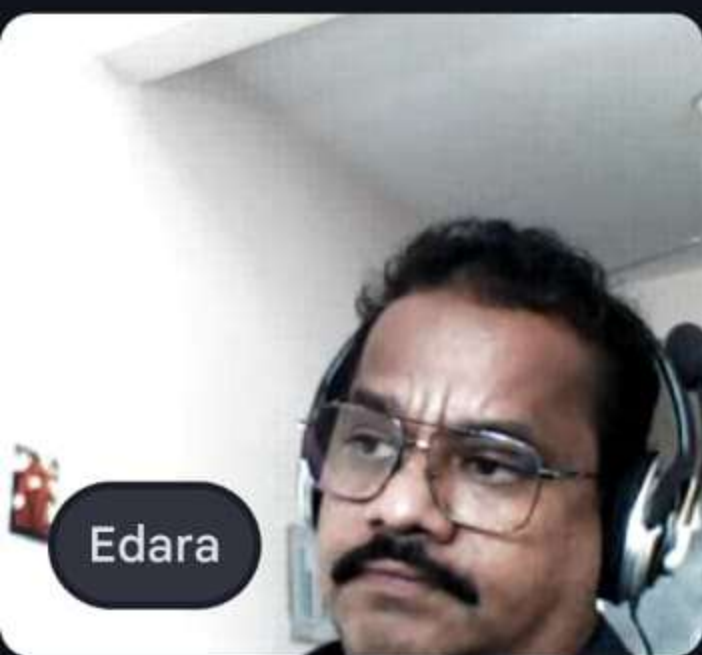
8.	Prof. E. Dileep Department of English Krishna University, Machilipatnam	University Nominee	
9.	G.Anjali , I BSC Zoology GDC, Tiruvuru	Student	



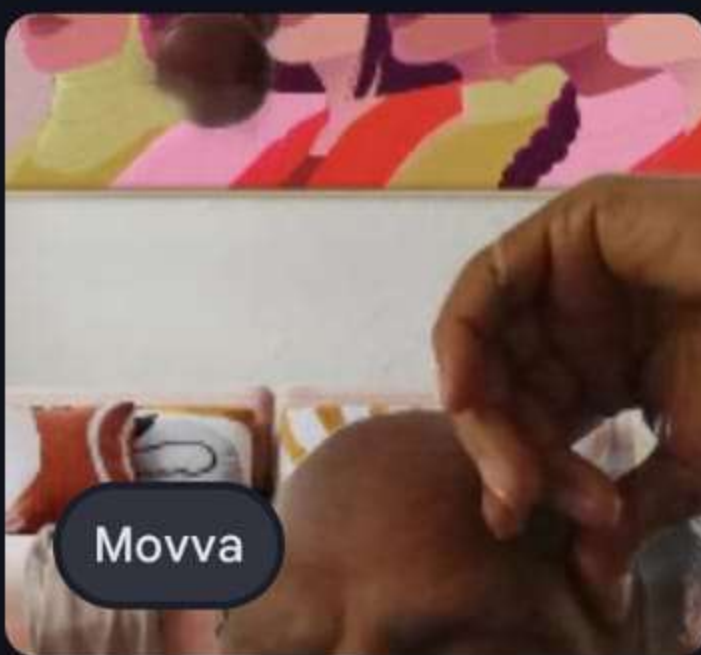
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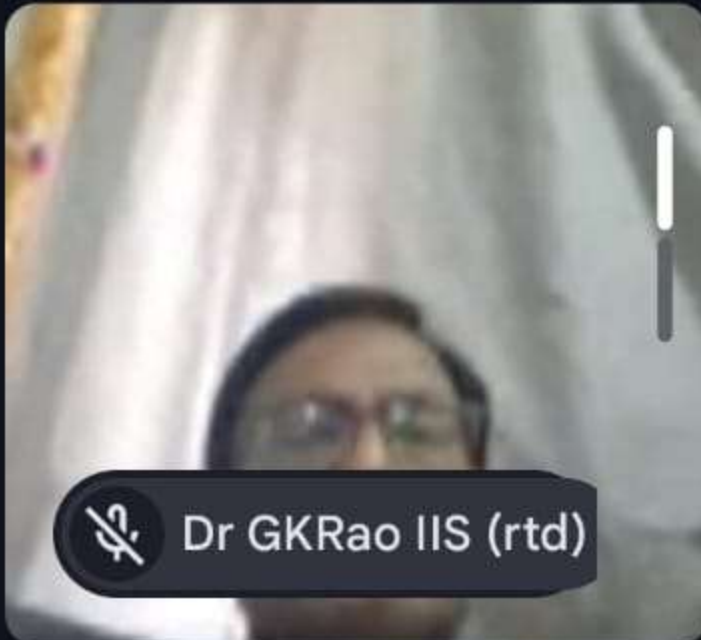
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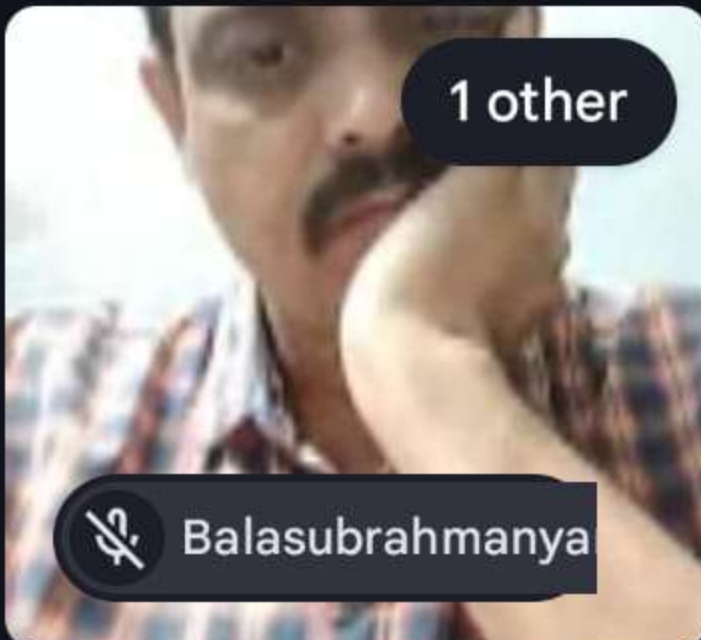
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Dr GKRao IIS (rtd)



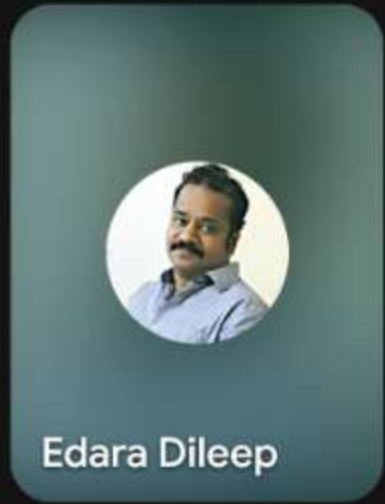
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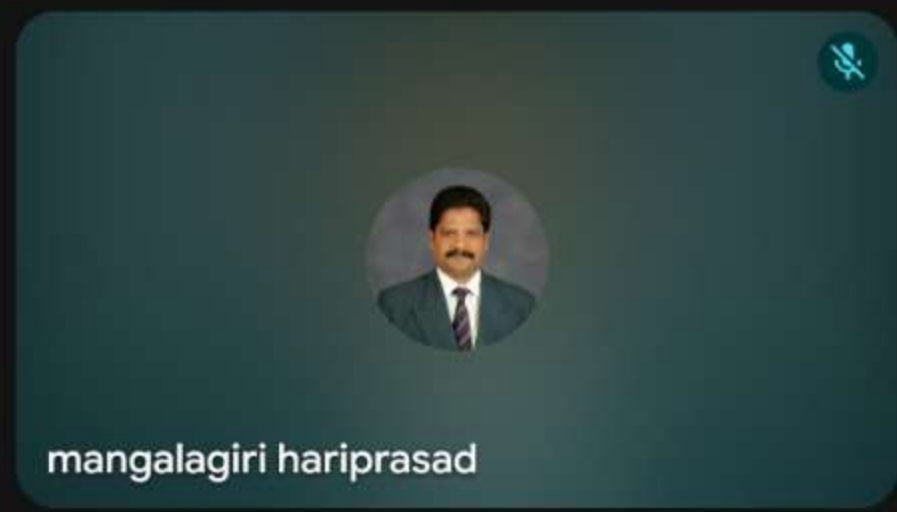
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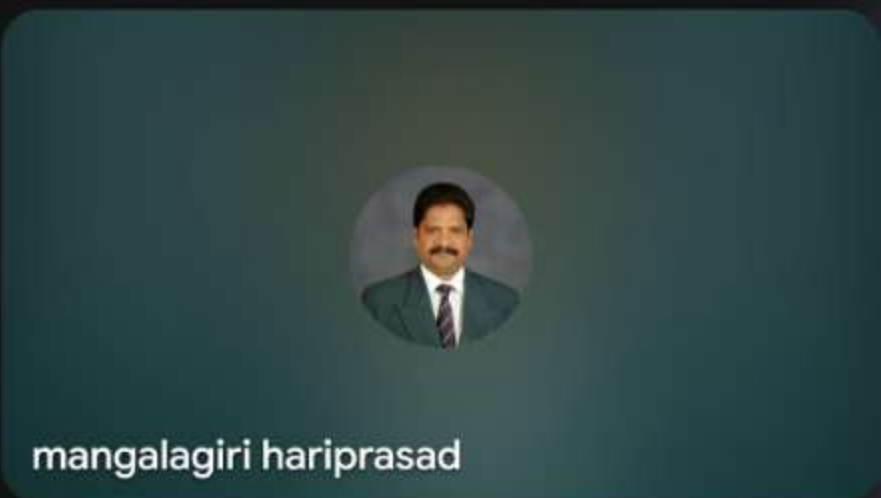
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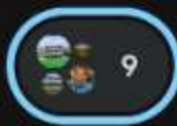


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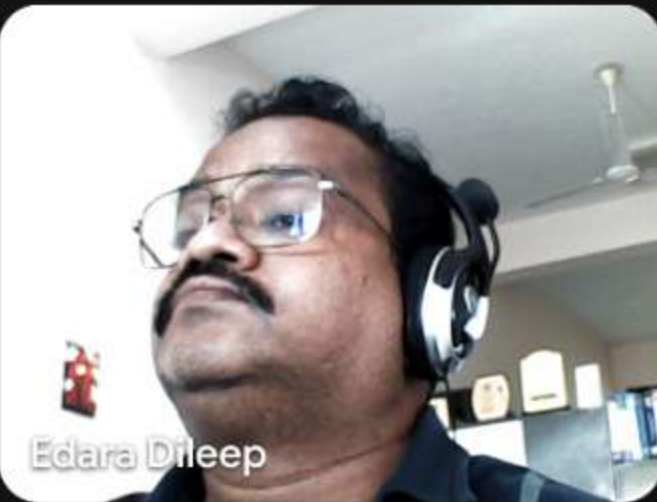
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