Course Code & Name	26CAVA1001 Introduction to Indian Knowledge System		
Teaching Hours /week (L: T:P: R)	3:0:0:0	Credits	1
CIE Marks	100	ESE Marks	0
Course Type	Value Added Course (VAC)	Exam Hours	-
Prerequisites (if any)	-		

Course Objectives:

- To introduce the fundamentals of the Indian Knowledge System (IKS), its scope, heritage, and relevance across cultural, linguistic, and scientific domains.
- To explore India's contributions to arts, science, and health traditions, emphasizing their enduring value and contemporary significance.

Course Outcomes (COs)

At the end of the course students should be able to:

CO#	Course Outcomes	Bloom's Knowledge Level (KL)
CO 1	Identify the scope and significance of the Indian Knowledge System and its role in shaping India's cultural and intellectual heritage.	K2
CO 2	Describe major ancient texts, languages, and traditions that form the foundation of India's literary and linguistic heritage.	K2
CO 3	Discuss the principles of Indian art, music, dance, and scientific thought reflected in ancient knowledge traditions.	K2
CO 4	Explain the key concepts of Ayurveda, Yoga, and traditional health practices as contributions of India to global well-being.	K2

Note: *K1- Remember, K2- Understand, K3- Apply, K4- Analyse, K5- Evaluate, K6- Create*

CO-PO Mapping Table (Mapping of Course Outcomes to Program Outcomes)

CO #	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	-	-	2	-	-	2	2	-
CO 2	-	-	2	-	-	2	2	-
CO 3	-	2	3	-	-	-	2	-
CO 4	-	-	2	-	-	3	3	-

Note: *1: Slight (Low), 2: Moderate (Medium), 3: Substantial (High), - : No Correlation*

Course Assessment Method

(CIE: 100 marks)

Continuous Internal Evaluation Marks (CIE)

Attendance	Assignment/ Micro-project	Internal Examination-1 (Written)	Internal Examination- 2 (Written)	Total
15	25	30	30	100 Marks

SYLLABUS

Module #	Syllabus Description	Hours
1	About Indian Knowledge System; Definition of Indigenous/ Traditional Knowledge; Scope, and Importance of Traditional Knowledge. Ancient India - Bharat Varsha: People of Ancient Bharat Varsha; Our great natural heritage: The great Himalayas and the rivers; The civilizations of the Sindhu -Ganga valley, Ancient Indian Traditional Knowledge and Wisdom about nature and climate.	6
2	Ancient Indian Knowledge: The Vedas and its components - the Vedangas Ancient Indian books and treaties: The Sastras.; The Great Indian Epics. Languages and language studies in India: What is linguistics? Script and Language; Alphabet of the Indian languages, Varnamala: Origin, Evolution, and phonetic features; Languages of	6

	India; Important texts of Indian languages: Skills Siksha, Expression/Pronunciation-Nirukta.	
3	Ancient Indian classical music and dance forms: The Science of Dramas- Natyasastra and the Science of Music-Gandharva-Veda; Aesthetics in Indian Art and Culture; Folk music and traditional dance forms of the Northeast. Indian Science & Technology: Ancient India's contribution to Mathematics - Number System. Algebra and Arithmetic, Geometry and Trigonometry; Origin of Decimal system in India; nomenclature of numbers in the Vedas. Zero and Infinity Sulba-sutras.	**6**
4	Traditional Indigenous systems of medicines in India: - Ayurveda and Yoga; Elements of Ayurveda: Gunas and Doshas, Pancha Mahabhuta and Sapta-dhatu; Concept of disease in Ayurveda; Ayurvedic lifestyle practices: Dinacharya and Ritucharya; Important Ayurvedic Texts; Hospitals in Ancient India; Ayurveda: Gift of India to the modern world.	**6**

Text Books				
Sl. No	**Title of the Book**	**Name of the Author/s**	**Name of the Publisher**	**Edition & Year**
1	The Beautiful Tree: Indian Indigenous Education in the Eighteenth Century	Dharampal	Dharampal Classics Series	2021
2	A Concise History of Science in India	Bose,D.M.,Sen, S.N. Subbarayappa, B.V., Eds	Universities Press	2010
3	Indian Economy, and Polity in Eighteenth-century Chengalpattu	Bajaj,J.K. Srinivas M.D	J. K. Bajaj ed., Indian Economy & Polity, Centre for Policy Studies, Chennai	1995

Reference Books				
Sl. No	**Title of the Book**	**Name of the Author/s**	**Name of the Publisher**	**Edition & Year**
1	Knowledge: Framework and Classification in Introduction to Indian Knowledge System	Mahadevan, B., Bhat, V.R., Pavana, N.	PHI Learning, New Delhi.	2022
2	Indian Knowledge System: Nature, Philosophy, Character in Indian Knowledge System, vol. 1,	Kapoor, K.	Indian Institute of Advanced Studies, Shimla	2021
3	History of Hindu Mathematics: Parts I and II	Datta B. and A. N. Singh	Asia Publishing House, Bombay,	1962

Web References/ Video Links (NPTEL, SWAYAM…)	
Sl.No	**Link ID**
1	https://iksindia.org/index.php Official Website of IKS- Indian Knowledge System
2	https://www.youtube.com/watch?v=TvMsKRP6FlQ https://www.youtube.com/watch?v=vUWv58fUThM IKS FDP on India's Knowledge Systems: Sources, Theories, Concepts and Practices
3	https://onlinecourses.swayam2.ac.in/imb23_mg53/preview/ Indian Knowledge System(IKS): Concepts and Applications in Engineering
4	https://youtube.com/playlist?list=PLRfu94TCePTtVPR-kC4RpIGIwo7-ViCGP&si=eH6PJHODWjjlhpZF

Course Level Assessment Questions

Course Outcome 1 (CO1):

1. Explain the scope of the Indian Knowledge System in preserving cultural heritage.
2. Describe the importance of Indigenous Knowledge in ancient Indian society.
3. How did the geographical features of Bharat Varsha influence the development of traditional knowledge?
4. Explain how traditional Indian wisdom reflects awareness about climate and environment.

5. Mention three reasons why studying Indian Knowledge Systems is relevant today.

Course Outcome 2 (CO2):

1. Explain the significance of the Vedas in the Indian Knowledge System.
2. Describe the six components (*Vedangas*) of the Vedas.
3. What are the *Shastras*? Mention any two examples.
4. Briefly describe the importance of the *Ramayana* and the *Mahabharata* as sources of ancient knowledge.
5. What is *linguistics*? How does it relate to Indian language studies?

Course Outcome 3 (CO3):

1. Explain the significance of *Natyashastra* in the development of Indian performing arts.
2. Describe the concept of *Rasa* in Indian art and aesthetics.
3. What is *Gandharva Veda*? Mention its importance in Indian classical music.
4. Describe how rhythm (*Tala*) and melody (*Raga*) form the foundation of Indian music.
5. Explain how the study of fine arts helps in understanding India's cultural continuity.

Course Outcome 4 (CO4):

1. Explain the meaning and purpose of *Ayurveda* in ancient India.
2. What are *Gunas* and *Doshas* according to Ayurvedic philosophy?
3. Write a short note on the *Sapta Dhatu* (seven body elements).
4. Explain the concept of disease (*Vyadhi*) in Ayurveda.
5. What is *Dinacharya*? Mention its importance in daily life.

Focus on Excellence