



Deccan Education Society's
Fergusson College (Autonomous)
Pune

Learning Outcomes-Based Curriculum
for 2 credit Programme
as per guidelines of
NEP-2020

for
Indian Knowledge Systems
With effect from Academic Year
2025-2026



Deccan Education Society's

Fergusson College (Autonomous), Pune-4

Department of **Indian Knowledge Systems**

Syllabi NEP 2.0 implemented from Academic Year 2025-26

Program Specific Outcomes (PSOs) for Indian Knowledge Systems	
PSO No.	Program Specific Outcomes (PSOs) Upon completion of this programme the student will be able to
PSO1	Academic Competence: i) Have an idea about the Indian Knowledge System which enhances the indigenous perspective of the student. (ii) Master the essential understanding of the Indian cultural and social traditions. (iii) Demonstrate understanding of knowledge systems and literature through assignments and presentations. (iv) Analyse and interpret primary texts.
PSO2	Personal and Professional Competence: i) Articulate one's own thoughts in terms of Bharatiya perspective. (ii) Acquire cultural competence of the ancient values. (iii) Express any idea or topic by relating to Bharatiya theory.
PSO3	Research Competence: i) Understand the areas of research in Indian Knowledge Tradition. (ii) Apply Bharatiya methods of research along with the modern techniques. (iii) Carry out the important steps of research such as review of literature, framing hypotheses and writing synopsis etc. (iv) Get acquainted with the basics of research through hands-on training. (v) Defend one's own arguments justified in the research.
PSO4	Ethical/Social competence: i) Employ skills in areas related to Indian Knowledge Systems such as translation, interpretation, field study and based on the practical knowledge gained during the internship. (ii) Suggest as well as make ancient products based on IKS skills in a newer format. (iii) Think critically, analyse and question issues related to socio- cultural aspects of both ancient and modern Indian culture.

IKS-1001 Indian Knowledge Systems		
	INDIAN KNOWLEDGE SYSTEMS	
	Number of credits: 02 Number of Hours: 30	
Course Outcomes (Cos) On completion of the course, the students will be able to:		Blooming Cognitive Level
CO1	Explain the basic concepts of Indian Knowledge System (IKS)	1
CO2	Summarize the foundation of IKS and explain historical and cultural context of Indian knowledge systems.	2
CO3	Illustrate the terminology in IKS.	1
CO4	Get acquainted with the contribution of ancient India to various natural and life sciences.	2

IKS-1001
Course Contents

Units	Title of Unit and Contents	No of lectures
I	Introduction to IKS – Meaning, Importance, Need, Terminology	2
II	Purushartha – Dharma, Artha, Kama, Moksha	5
III	Ashram – Brahmacharya, Gruhastha, Vanaprastha, Sannyasa	5
IV	Indian Mathematics	2
V	Indian Calendar System, Indian Astronomy	2
VI	Indian Art Forms	3
VII	Indian Architecture	2
VIII	Sthal Mahatmya (Sacred Geography)	2
IX	Decoding Mahatmya Texts	2
X	Ayurveda	2
XI	Sustainability	2
XII	Relevance of IKS	1

Learning Resources - References

Sr.No	References
1	Introduction to Indian Knowledge System: Concepts and Applications – B. Mahadevan
2	Indian Knowledge Systems – kapil Kapoor, Avadhesh Kumar Singh
3	IKS: The Knowledge System of Bharat – Bhag Chand Chauhan
4	Indian Knowledge Systems – Dr. Sandeep Dhikale
5	The Beautiful Tree – Dharmapal
6	Ancient Indian Wisdom: Spiritual Heritage – P. Sethuraman
7	Tribal Literature, Culture and Knowledge Systems - H.S. Chandalia
8	Maths Sutra: The Art of Indian Speed Calculation - Gaurav Tekriwal
9	Ancient Indian Architecture - Sanjev Maheshwari, Rajeev Garg
10	Methodology of Ancient Indian Science - Prof.W. Lele