

DEPARTMENT OF HUMANITIES AND SOCIAL SCIENCES

Course Code	HSAU16
Course Title	Indian Knowledge System
Number of Credits	2 (2L+0T)
Prerequisites (Course code)	----
Course Category	AUDIT COURSE (AU)

Semester: Odd/Even

Internal: 50 Marks

Total: 50 Marks

Course Objectives

1. To facilitate the students with the concepts of Indian traditional knowledge and to make them understand the importance of roots of Indian Knowledge System.
2. To make students acquaint with the facets of traditional knowledge & their relevance and help them be able to apply it to their day to day life.

UNIT-I: Indian Knowledge System: An Introduction

Defining Indian Knowledge System. Importance of Ancient Knowledge, The IKS Corpus. Introduction to Traditional Knowledge: Concept & Definition, Nature, Scope and Importance of Traditional Knowledge. The Vedic Corpus: Introduction to Vedas, The Four Vedas. Philosophical System: Development and Unique Features. Bhagavad Gita

UNIT-II: Science, Engineering and Technology in IKS

Mathematics: Unique Aspects of Indian Mathematics, Great Mathematicians and their Contributions. Astronomy: Unique Aspects of Indian Astronomy, Historical Developments of Astronomy in India. Engineering & Technology: Indian S&T Heritage, Metals and Metalworking Technology, Literary Sources for S&T. Traditional Medicine System.

UNIT-III: Humanities and Social Sciences in IKS

Health, Wellness & Psychology: Definition of Health, Emotional Intelligence, Yoga & its Relevance to Health & Wellness, Indian Approach to Psychology. Governance and Public Administration: Arthasastra, The Kautilyan State, The Administrative Set-up.

Course Outcomes

At the end of the course, students will be able to gain insights into the concept of traditional knowledge and its relevance. They will also be able to understand and connect up the basics of Indian traditional knowledge with modern perspective.

Reference Books

Mahadevan, B., Bhat, V.R. & Nagendra Pavana RN, (2022). Introduction to Indian Knowledge System: Concepts and Applications. PHI Learning

Note

It is further proposed to do away with the attendance component of the awards in the internal assessment. A note may be appended with each course on the following instructions:

- (i) The faculty member is expected to explore and be acquainted with the existing Indian Knowledge in the domain of the course and share with the students.
- (ii) The students are expected to do the necessary study of the existing Indian Knowledge in the domain of the course, prepare the report, and submit the same to the concerned faculty member at the end of the semester.
- (iii) The faculty member will evaluate the reports and award marks to the students with maximum cap being the equivalent of attendance component marks