Faculty Name/s: **Darshini Y**				Academic Year: **2025-26**				
Department: **Computer Science & Design**								
Course Code	Course Title	Core/Elective	Prerequisite	Teaching Hours/Week				Total Hrs/ Sessions
				L	T	P	S	
BIKK657	**INDIAN KNOWLEDGE SYSTEMS**	**PCC**	Indian history and culture	**1**	**-**	**-**	**-**	**15**

Course objectives: This course (BIKK657) will enable students to:

CLO1: To facilitate the students with the concepts of Indian traditional knowledge and to make them understand the Importance of roots of knowledge system.

CLO2: 2 To make the students understand the traditional knowledge and analyse it and apply it to their day-to-day life.

Topics Covered as per Syllabus

MODULE-I

Introduction to Indian Knowledge Systems (IKS): Overview, Vedic Corpus, Philosophy, Character scope and importance, traditional knowledge vis-a-vis indigenous knowledge, traditional knowledge vs. western knowledge.

MODULE-2

Traditional Knowledge in Humanities and Sciences: Lingistics, Number and measurements- Mathematics, Chemistry, Physics, Art, Astronomy, Astrology, Crafts and Trade in India and Engineering and Technology.

MODULE – 3

Traditional Knowledge in Professional domain: Town planning and architecture- Construction, Health, wellness and Psychology-Medicine, Agriculture, Governance and public administration, United Nations Sustainable development goals.

List of Text Books

1.Introduction to Indian Knowledge System- concepts and applications, B Mahadevan, Vinayak Rajat Bhat, Nagendra Pavana R N, 2022, PHI Learning Private Ltd, ISBN-978-93 91818-21-0.

Reference Books

1.Traditional Knowledge System in India, Amit Jha, 2009, Atlantic Publishers and Distributors (P) Ltd., ISBN-13: 978-8126912230.

2. Knowledge Traditions and Practices of India, Kapil Kapoor, Avadesh Kumar Singh, Vol. 1, 2005, DK Print World (P) Ltd., ISBN 81-246-0334,

Web links and Video Lectures (e-Resources): Web links and Video Lectures (e-Resources):

- https://www.youtube.com/watch?v=LZP1StpYEPM
- http://nptel.ac.in/courses/121106003/
- http://www.iitkgp.ac.in/department/KS;jsessionid=C5042785F727F6EB46CBF432D7683B63 (Centre of Excellence for Indian Knowledge System, IIT Kharagpur)
- https://www.wipo.int/pressroom/en/briefs/tk_ip.html
- https://unctad.org/system/files/official-document/ditcted10_en.pdf
- http://nbaindia.org/uploaded/docs/traditionalknowledge_190707.pdf
- https://unfoundation.org/what-we-do/issues/sustainable-development goals/?gclid=EAIaIQobChMInp-Jtb_p8gIVTeN3Ch27LAmPEAAYASAAEgIm1vD_BwE

Course Outcomes: Students will be able to

CO1: Provide an overview of the concept of the Indian Knowledge System and its importance.	L1, L2
CO2:Appreciate the need and importance of protecting traditional knowledge.	L1, L2
CO3: Recognize the relevance of Traditional knowledge in different domains.	L1, L2
CO4: Establish the significance of Indian Knowledge systems in the contemporary world.	L1, L2

Internal Assessment Marks (50): The Best of Two tests (20 marks each), two Quizes (10 marks each), and Case Study Based Report (20 marks) will be out of **100 marks** and will be scaled down to **50 marks**

The Correlation of Course Outcomes (CO's) and Program Outcomes (PO's)

Subject Code:	BIKK657		INDIAN KNOWLEDGE SYSTEMS			Faculty Name:		Darshini Y				
List of Course Outcomes	Program Outcomes											Total
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	
CO-1	2	-	-	-	-	-	-	3	-	-	-	1	06
CO-2	-	-	-	-	-	2	-	-	-	-	-	-	02
CO-3	-	-	2	2	-	-	-	-	-	-	-	-	04
CO-4	-	-	-	-	-	3	2	-	-	-	-	-	05
Total	2	0	2	2	0	5	2	3	0	0	0	1	54

Note: 3 = Strong Contribution 2 = Average Contribution 1 = Weak Contribution - = No Contribution