Course Modules of the Subject Taught for the Session Jan-May 2025-26 (ODD SEM)

Course Syllabi with CO's

Course Syllabi with CO's Faculty Member: Dr. Pujitha Ganapathi C.				Academic Year: 2025-2026			
Department: Civil Engineering							
Course Code	Course Title	Core/Elective	Prerequisite	Contact Hours			Total Hrs
				L	T	P	
BIKS609	**Indian Knowledge Systems**	**Core**	**Nil**	**1**	**-**	**-**	**15**
Objectives	1. To facilitate the students with the concepts of Indian traditional knowledge and to make them understand the Importance of roots of knowledge system. 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-1

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.

05 Hours

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**.**

08 Hours

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.

08 Hours

List of Reference 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
2. Traditional Knowledge System in India, Amit Jha, 2009, Atlantic Publishers and Distributors (P) Ltd., ISBN-13: 978-8126912230,
3. Knowledge Traditions and Practices of India, Kapil Kapoor, Avadesh Kumar Singh, Vol. 1, 2005, DK Print World (P) Ltd., ISBN 81-246-0334,

List of URLs, Textbooks, Notes, Multimedia Content, etc

https://www.youtube.com/watch?v=LZP1StpYEPM
http://nptel.ac.in/courses/121106003/
http://www.iitkgp.ac.in/department/KS%3Bjsessionid%3DC5042785F727F6EB46CBF432D7683B63
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

Graduate Attributes (As per NBA)

Course	At the end of the course the student will be able to:

Outcomes	CO1: Provide an overview of the concept of the Indian Knowledge System and its importance.
	CO2: Appreciate the need and importance of protecting traditional knowledge.
	CO3: Recognize the relevance of Traditional knowledge in different domains.
	CO4: Establish the significance of Indian Knowledge systems in the contemporary world.
Two quizzes are conducted, each quiz is evaluated for 10 marks adding up to 20 Marks. Two tests are conducted, each test will be conducted for 25 Marks adding upto 50 marks. Final test marks will be reduced to 40 Marks	

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

Course Code:	BIKS609	**Title:** Indian Knowledge Systems						Faculty Member: Dr. Pujitha Ganapathi C.				
Course Outcomes	**Program Outcomes**										**PSOs**	
	PO1	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**	**PSO1**	**PSO2**
CO-1	2	-	-	-	-	-	-	3	-	-	-	-	-
CO-2	-	-	-	-	-	2	-	-	-	-	-	-	-
CO-3	-	-	2	2	-	-	-	-	-	-	-	-	-
CO-4	-	-	-	-	-	3	2	-	-	-	-	-	-

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