

ESSENCE OF INDIAN TRADITIONAL KNOWLEDGE

VII Semester: AE / CSE / IT / ECE / EEE / ME / CE								
Course Code	Category	Hours / Week			Credits	Maximum Marks		
AHSB17	Mandatory	L	T	P	C	CIA	SEE	Total
		-	-	-	-	30	70	100
Contact Classes: Nil	Tutorial Classes: Nil	Practical Classes: Nil			Total Classes: Nil			
I. COURSE OVERVIEW:								
<p>The objective of this course is to facilitate the students with the concepts of Indian traditional knowledge and to make them understand the importance of roots of knowledge system. It aims at imparting basic principles of thought process, reasoning and inference. Sustainability is at the core of Indian Traditional Knowledge Systems connecting society, in this regard this subject is concentrating on legal protection rights and mechanisms of intellectual property rights on tradition knowledge. This course is also concentrating on various acts in protecting the environment and knowledge management impact on various sectors in the economy development of the country.</p>								
II. COURSE OBJECTIVES:								
The course should enable the students to:								
<ul style="list-style-type: none"> I. Understand the concept of Traditional knowledge and its importance II. Know the need and importance of protecting traditional knowledge. III. Know the various enactments related to the protection of traditional knowledge. IV. Understand the concepts of Intellectual property to protect the traditional knowledge. 								
III. COURSE OUTCOMES:								
After successful completion of this course, students will be able to:								
CO 1	Understand and elucidate the basic knowledge of traditional knowledge to develop the physical and social changes on traditional knowledge system.						Understand	
CO 2	Discuss different characteristics of Indigenous Knowledge (IK) to differentiate it with formal, western and traditional knowledge.						Remember	
CO 3	Describe the significance of traditional knowledge protection to communicate the traditional knowledge information.						Analyze	
CO 4	Recognize the role of government on traditional knowledge to measure its impact on global economy.						Apply	
CO 5	Explain the acts related to schedule tribes, traditional forest dwellers, plants protection and farmers to inculcate the legal protection information.						Understand	
CO 6	Illustrate the rules of biological diversity and geographical indicators for the protection of traditional knowledge bill.						Understand	
CO 7	Evaluate the legal mechanism of traditional knowledge protection to show the difference between IPR and non-IPR system.						Remember	
CO 8	Summarize the strategies of patents and global legal FORA for excel protection of Indian traditional knowledge.						Evaluate	
CO 9	Demonstrate the engineering, biotechnology, agricultural and medicine system to find the healthcare soundness of the traditional societies.						Understand	
CO 10	Examine the sustainability and development of environment for standardizing the food security and traditional knowledge of the country.						Apply	

IV. SYLLABUS:	
MODULE-I	INTRODUCTION TO TRADITIONAL KNOWLEDGE
Define traditional knowledge, nature and characteristics, scope and importance, kinds of traditional knowledge, the physical and social contexts in which traditional knowledge develop, the historical impact of social change on traditional knowledge systems. Indigenous Knowledge (IK), characteristics, traditional knowledge vis-à-vis indigenous knowledge, traditional knowledge Vs western knowledge traditional knowledge vis-à-vis formal knowledge	
MODULE-II	PROTECTION OF TRADITIONAL KNOWLEDGE
Protection of traditional knowledge: The need for protecting traditional knowledge Significance of TK Protection, value of TK in global economy, Role of Government to harness TK.	
MODULE-III	LEGAL FRAMEWORK AND TK
A: The Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006, Plant Varieties Protection and Farmer's Rights Act, 2001 (PPVFR Act); B: The Biological Diversity Act 2002 and Rules 2004, the protection of traditional knowledge bill, 2016. Geographical indicators act 2003.	
MODULE-IV	TRADITIONAL KNOWLEDGE AND INTELLECTUAL PROPERTY
Systems of traditional knowledge protection, Legal concepts for the protection of traditional knowledge, Certain non IPR mechanisms of traditional knowledge protection, Patents and traditional knowledge, Strategies to increase protection of traditional knowledge, global legal FORA for increasing protection of Indian Traditional Knowledge.	
MODULE-V	TRADITIONAL KNOWLEDGE IN DIFFERENT SECTORS:
Traditional knowledge and engineering, Traditional medicine system, TK and biotechnology, TK in agriculture, Traditional societies depend on it for their food and healthcare needs, Importance of conservation and sustainable development of environment, Management of biodiversity, Food security of the country and protection of TK. 139.	
V. Text Books:	
1. Traditional Knowledge System in India, by Amit Jha, 2009. 2. Traditional Knowledge System and Technology in India by Basanta Kumar Mohanta and Vipin Kumar Singh, Pratibha Prakashan 2012.	
VI. Reference Books:	
1. Traditional Knowledge System in India by Amit Jha Atlantic publishers, 2002. 2. "Knowledge Traditions and Practices of India" Kapil Kapoor1, Michel Danino2	