

### III B.Tech – I Semester

#### (20MC5503) ESSENCE OF INDIAN TRADITIONAL KNOWLEDGE

Int. Marks	Ext. Marks	Total Marks	L	T	P	C
30	70	100	2	-	-	-

**Pre-Requisites:** None

#### **Course Objectives:**

At the end of semester the students able to understand the concepts of:

- To facilitate the students with the concepts of Indian traditional knowledge and to make them understand the Importance of roots of knowledge system.
- To make the students understand the traditional knowledge and analyse it and apply it to their day to day life

#### **UNIT- I:**

**Introduction to traditional knowledge:** Define traditional knowledge, nature and characteristics, scope and importance, kinds of traditional knowledge, Indigenous Knowledge (IK), characteristics, traditional knowledge vis-a-vis indigenous knowledge, traditional knowledge Vs western knowledge traditional knowledge

#### **UNIT-II:**

**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.

#### **UNIT-III:**

**Legal framework and TK:** 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); The Biological Diversity Act 2002 and Rules 2004, the protection of traditional knowledge bill, 2016.

#### **UNIT-IV:**

**Traditional knowledge and intellectual property:** Systems of traditional knowledge protection, Legal concepts for the protection of traditional knowledge, Patents and traditional knowledge, Strategies to increase protection of traditional knowledge

#### **UNIT-V:**

**Traditional Knowledge in Different Sectors:** Traditional knowledge and engineering, Traditional medicine system, 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.

**Course Outcomes:**

After successful completion of the course, the students will be able to:

S.No	Course Outcome	BTL
1.	Identify the concept of Traditional knowledge and its importance.	L1
2.	Explain the need and importance of protecting traditional knowledge.	L2
3.	Illustrate the various enactments related to the protection of traditional knowledge.	L3
4.	Interpret the concepts of Intellectual property to protect the traditional knowledge.	L2
5.	Explain the importance of Traditional knowledge in Agriculture and Medicine.	L2

**Text Books:**

1. Traditional Knowledge System in India, by Amit Jha, 2009.

**Reference Books:**

1. Traditional Knowledge System in India by Amit Jha Atlantic publishers, 2002.
2. "Knowledge Traditions and Practices of India" Kapil Kapoor<sup>1</sup>, Michel Danino<sup>2</sup>.

**E-resources:**

1. <https://www.youtube.com/watch?v=LZP1StpYEPM>
2. <http://nptel.ac.in/courses/121106003/>