

Discipline: Mechanical Engg.	Semester:4 <sup>th</sup>	Name of the Teaching Faculty: ANUP RANA Designation: Lecturer S-1	
Subject: ESSENCE OF INDIAN KNOWLEDGE AND TRADITION	No. of days/week class allotted:02	Semester From date: 22.12.2025	To date: 18.04.2026 No. of weeks: 15
Week	Class Day	Theory/Practical Topics	
1 <sup>ST</sup>	1 <sup>st</sup>	Introduction to traditional knowledge - Define traditional knowledge	
	2 <sup>nd</sup>	Nature and characteristics,	
2 <sup>ND</sup>	1 <sup>st</sup>	Scope and importance, kinds of traditional knowledge (Unani / Siddha/ Ayurveda)	
	2 <sup>nd</sup>	Indigenous Knowledge (IK),	
3 <sup>RD</sup>	1 <sup>st</sup>	Characteristics, traditional knowledge vis-a-vis indigenous knowledge,	
	2 <sup>nd</sup>	Characteristics, traditional knowledge vis-a-vis indigenous knowledge,	
4 <sup>TH</sup>	1 <sup>st</sup>	Traditional knowledge of Odisha	
	2 <sup>nd</sup>	The need for protecting traditional knowledge	
5 <sup>TH</sup>	1 <sup>st</sup>	The need for protecting traditional knowledge	
	2 <sup>nd</sup>	Significance of TK Protection,	
6 <sup>TH</sup>	1 <sup>st</sup>	Value of TK in global economy	
	2 <sup>nd</sup>	Role of Government to harness TK.	
7 <sup>TH</sup>	1 <sup>st</sup>	Role of Government to harness TK	
	2 <sup>nd</sup>	Legal framework and TK: The Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006	
8 <sup>TH</sup>	1 <sup>st</sup>	Legal framework and TK: The Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006	
	2 <sup>nd</sup>	Plant Varieties Protection and Farmer's Rights Act, 2001 (PPVFR Act);	
9 <sup>th</sup>	1 <sup>st</sup>	Plant Varieties Protection and Farmer's Rights Act, 2001 (PPVFR Act);	
	2 <sup>nd</sup>	The Biological Diversity Act 2002 and Rules 2004	
10 <sup>TH</sup>	1 <sup>st</sup>	The protection of traditional knowledge bill, 2016.	
	2 <sup>nd</sup>	Traditional knowledge and intellectual property: Systems of traditional knowledge protection,	
11 <sup>TH</sup>	1 <sup>st</sup>	Legal concepts for the protection of traditional knowledge,	
	2 <sup>nd</sup>	Patents and traditional knowledge	
12 <sup>th</sup>	1 <sup>st</sup>	Strategies to increase protection of traditional knowledge	
	2 <sup>nd</sup>	Geographical Indications (GI).	

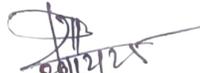
13 <sup>TH</sup>	1 <sup>ST</sup>	Traditional knowledge and engineering, Traditional medicine system,
	2 <sup>ND</sup>	TK in agriculture.
14 <sup>th</sup>	1 <sup>st</sup>	Traditional societies depend on it for their food and healthcare needs.
	2 <sup>nd</sup>	Importance of conservation and sustainable development of environment,
15 <sup>th</sup>	1 <sup>st</sup>	Management of biodiversity, Food security of the country and protection of TK
	2 <sup>nd</sup>	REVISION
		<b>TOTAL NO. OF CLASSES=30</b>

Prepared By:

  
20/12/2025  
Anup Rana

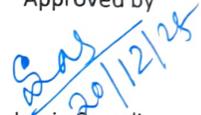
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