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## **DEPARTMENT OF ELECTRICAL ENGINEERING**

### **Govt. Polytechnic, Balasore**

#### **LESSON PLAN FOR ACADEMIC SESSION - 2025-26**

#### **ESSENCE OF INDIAN KNOWLEDGE AND TRADITION**

<b>Course Code : AU202</b>	<b>Semester : 4th</b>
<b>Total Periods : 30 Hours</b>	<b>End Semester Examination : 0</b>
<b>Theory Periods : 2 P/Week</b>	<b>Progressive Assessment: 0</b>
<b>Semester From Date : 22/12/2025</b>	<b>To Date :</b>
<b>Name of the Teaching Faculty: Er. Radha Rani Panda</b>	

<b>WEEK</b>	<b>PERIOD</b>	<b>TOPIC</b>
1st	1 <sup>st</sup>	Introduction to traditional knowledge: Define traditional knowledge
	2 <sup>nd</sup>	nature and characteristics, scope and importance
2nd	1 <sup>st</sup>	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>	Protection of traditional knowledge (TK)
5 <sup>th</sup>	1 <sup>st</sup>	The need for protecting traditional knowledge
	2 <sup>nd</sup>	The need for protecting traditional knowledge
6 <sup>th</sup>	1 <sup>st</sup>	Significance of TK Protection
	2 <sup>nd</sup>	Significance of TK Protection
7 <sup>th</sup>	1 <sup>st</sup>	value of TK in global economy
	2 <sup>nd</sup>	Role of Government to harness TK.
8 <sup>th</sup>	1 <sup>st</sup>	Legal framework and TK
	2 <sup>nd</sup>	The Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006
9 <sup>th</sup>	1 <sup>st</sup>	Plant Varieties Protection and Farmer's Rights Act, 2001 (PPVFR Act)
	2 <sup>nd</sup>	Plant Varieties Protection and Farmer's Rights Act, 2001 (PPVFR Act)
10 <sup>th</sup>	1 <sup>st</sup>	The Biological Diversity Act 2002 and Rules 2004
	2 <sup>nd</sup>	the protection of traditional knowledge bill, 2016.
11 <sup>th</sup>	1 <sup>st</sup>	Traditional knowledge and intellectual property , Systems of

		traditional knowledge protection
	2 <sup>nd</sup>	Legal concepts for the protection of traditional knowledge
12 <sup>th</sup>	1 <sup>st</sup>	Patents and traditional knowledge, Strategies to increase protection of traditional knowledge
	2 <sup>nd</sup>	Geographical Indications (GI)
13 <sup>th</sup>	1 <sup>st</sup>	Traditional Knowledge in Different Sectors
	2 <sup>nd</sup>	Traditional knowledge and engineering
14 <sup>th</sup>	1 <sup>st</sup>	Traditional medicine system
	2 <sup>nd</sup>	TK in agriculture, Traditional societies depend on it for their food and healthcare needs
15 <sup>th</sup>	1 <sup>st</sup>	Importance of conservation and sustainable development of environment
	2 <sup>nd</sup>	Management of biodiversity, Food security of the country and protection of TK

*P. Pandey*  
22/12/2025

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22/12/2025

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