

UTKALMANI GOPABANDHU INSTITUTE OF
ENGINEERING, ROURKELA



LESSON PLAN

SESSION: 2025-2026

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

SUBJECT CODE: **AU202**

NAME OF THE SUBJECT: **ESSENCE OF INDIAN KNOWLEDGE AND TRADITION**

BRANCH: **ELECTRONICS & TELECOMMUNICATION ENGG.**

SEMESTER: **DIPLOMA 4TH SEM**

NUMBER OF CLASSES ALLOTTED PER WEEK: **2**

TOTAL PERIODS ALLOTTED TO THE SUBJECT ACCORDING TO SCTEVT: **30**

NAME OF THE FACULTY: **ASHIS KUMAR MAHARANA**

UTKALMANI GOPABANDHU INSTITUTE OF ENGINEERING, ROURKELA



LESSON PLAN

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

SUBJECT CODE:	AU202
NAME:	ESSENCE OF INDIAN KNOWLEDGE AND TRADITION
BRANCH:	ELECTRONICS & TELECOMMUNICATION
SEMESTER:	DIPLOMA 4TH SEM
PERIODS PER WEEK:	2
NAME OF THE FACULTY:	ASHIS KUMAR MAHARANA
NO OF CLASSES ALLOTTED PER WEEK:	3 (22/12/2025 to 18/04/2026)

Week	<u>Lecture</u>	<u>Topic to be covered</u>
1 st week	1 st	Introduction to traditional knowledge: Define traditional knowledge, nature and characteristics
	2 nd	Introduction to traditional knowledge: scope and importance
2 nd week	1 st	Kinds of traditional knowledge (Unani), its characteristics
	2 nd	Kinds of traditional knowledge (Siddha), its characteristics
3 rd week	1 st	Kinds of traditional knowledge (Ayurveda), its characteristics
	2 nd	Indigenous Knowledge (IK), its characteristics
4 th week	1 st	Traditional knowledge vis-a-vis indigenous knowledge
	2 nd	Traditional knowledge of Odisha
5 th week	1 st	Traditional knowledge of Odisha
	2 nd	Traditional knowledge of Odisha

6 th week	1 st	Protection of traditional knowledge (TK): The need for protecting traditional knowledge
	2 nd	Value of TK in global economy
7 th week	1 st	Role of Government to harness TK
	2 nd	Role of Government to harness TK
8 th week	1 st	Legal framework and TK: The Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006
	2 nd	Legal framework and TK: The Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006
9 th week	1 st	Plant Varieties Protection and Farmer's Rights Act, 2001 (PPVFR Act)
	2 nd	Plant Varieties Protection and Farmer's Rights Act, 2001 (PPVFR Act)
10 th week	1 st	The Biological Diversity Act 2002 and Rules 2004
	2 nd	The Biological Diversity Act 2002 and Rules 2004
11 th week	1 st	The protection of traditional knowledge bill, 2016
	2 nd	The protection of traditional knowledge bill, 2016
12 th week	1 st	Traditional knowledge and intellectual property: Systems of traditional knowledge protection
	2 nd	Legal concepts for the protection of traditional knowledge
13 th week	1 st	Patents and traditional knowledge
	2 nd	Strategies to increase protection of traditional knowledge
14 th week	1 st	Geographical Indications (GI)
	2 nd	Traditional Knowledge in Different Sectors: Traditional knowledge and engineering
15 th week	1 st	Traditional Knowledge in Different Sectors: Traditional knowledge and engineering
	2 nd	Traditional medicine system
16 th week	1 st	TK in agriculture
	2 nd	Traditional societies depend on it for their food and healthcare needs
17 th week	1 st	Importance of conservation and sustainable development of environment
	2 nd	Management of biodiversity, Food security of the country and protection of TK