



# **SNS COLLEGE OF ENGINEERING**



**Kurumbapalayam(Po), Coimbatore – 641 107**

**Accredited by NAAC-UGC with 'A' Grade**

**Approved by AICTE, Recognized by UGC & Affiliated to Anna University, Chennai**

## **Department of AI &DS**

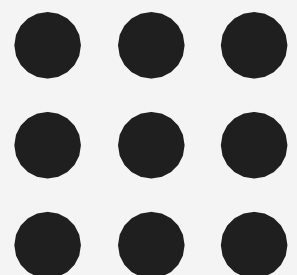
**Course Name – 19AD602 DEEP LEARNING**

**III Year / VI Semester**

**Unit 1-INTRODUCTION TO TRADITIONAL KNOWLEDGE**

**Topic: DIFFERENCE BETWEEN TK/IK/WESTERN KNOWLEDGE**

**GULSHAN BANU.A/ AP/AI AND DS /Difference between TK/IK/WESTERN KNOWLEDGE/SNSCE**





## DIFFERENCE BETWEEN TK/IK/WESTERN KNOWLEDGE



Indigenous Knowledge	Modern Science Knowledge
Communication is usually oral	Communication is usually written
Forecast methods are rarely documented	Forecast methods are documented and more developed
Use nature/environment for climate indicators as well as spiritual methods	Measurable use of weather and climate meteorological data
Description is based on spiritual and social values	Explanation is theoretical
Taught by experienced and observation	Taught through lectures and readings
Applied at a local level	Lacks relevance at the local level
Refers to rainfall duration and distribution and it is aligned to crop-weather indicators	Refers to rainfall quantity at a regional level
Mainly language-based and qualitative	It is number-based
It is holistic and covers variables qualitatively	Quantitatively and covers a small number of variables



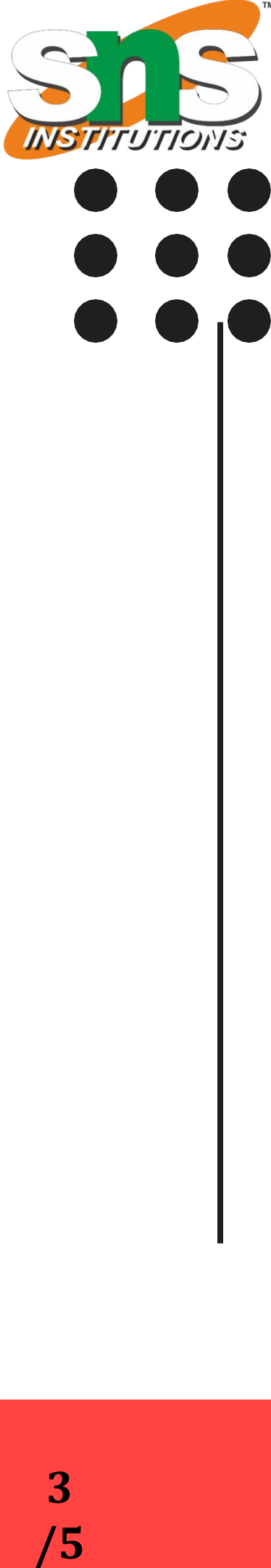
## DIFFERENCE BETWEEN TK/IK/WESTERN KNOWLEDGE



Categories	Indigenous knowledge	Western knowledge
Mode of Thinking	Intuitive & Holistic	Analytical & Segmented
Mode of Learning	Story telling & Observation	Academic & Experimental
Characteristics	Subjective & Spiritual	Objective & Reductionist
Data Creation	Slow & Inclusive	Fast & Selective
Prediction Abilities	Vague & Cyclical	Accurate & Linear
Classification System	Ecological & Interconnected	Genetic & Hierarchical
Principle Belief	Ecocentric	Anthropocentric
Management System	Decentralized authority	Centralized authority
Approach to Healing	Focus is on understanding the cause of the illness	Focus is on treating symptoms of the illness
Health History	Considers role of community & environment	Patient & family history
Health Diagnostics	Intuitive	Intellectual
Health Authority	Traditional Healer is an advisor with consensus of family & community	Physician is a primary authorit



## DIFFERENCE BETWEEN TK/IK/WESTERN KNOWLEDGE



THANK YOU