



SNS COLLEGE OF ENGINEERING

Kurumbapalayam (Po), Coimbatore – 641 107

An Autonomous Institution

Accredited by NBA – AICTE and Accredited by NAAC – UGC with 'A' Grade
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

DEPARTMENT OF COMPUTER SCIENCE AND DESIGN

COURSE NAME : 19MC003 ESSENCE OF INDIAN TRADITIONAL KNOWLEDGE

III YEAR / VI SEMESTER

Unit II- Protection of traditional knowledge

Topic 2 : The need for protecting traditional knowledge



Challenges to Traditional Knowledge

- **Cultural Erosion:** Loss due to modernization and lack of transmission to younger generations.
- **Biopiracy:** Unauthorized exploitation of traditional resources by corporations.
- **Lack of Legal Recognition:** Difficulty in establishing ownership and rights over knowledge.
- **Environmental Degradation:** Climate change and deforestation affecting traditional practices.



Legal Protections & Global Initiatives

- **Convention on Biological Diversity (CBD):** Recognizes indigenous rights to TK.
- **Nagoya Protocol:** Ensures equitable benefit-sharing from TK-based resources.
- **World Intellectual Property Organization (WIPO):** Develops legal frameworks for TK protection.
- **National Initiatives:** Countries implementing legal measures to protect TK (e.g., India's TKDL).



Strategies for Safeguarding Traditional Knowledge

- **Documentation & Digitization:** Creating databases to record TK for preservation.
- **Community Empowerment:** Strengthening indigenous groups' ability to protect and control their knowledge.
- **Legal Advocacy & Policy Development:** Implementing stronger intellectual property laws.
- **Education & Awareness:** Encouraging youth involvement in traditional practices.
- **Ethical Business Models:** Promoting fair trade and benefit-sharing agreements.



Case Studies & Success Stories

- **India's Traditional Knowledge Digital Library (TKDL):** Preventing patent misuse of Ayurvedic practices.
- **Peruvian Indigenous Rights Movement:** Protecting medicinal plant knowledge.
- **Australian Aboriginal Land Rights:** Recognizing traditional land management systems.
- **Amazonian Indigenous Cooperatives:** Using TK for sustainable product development.



The Way Forward

- Strengthening global and national legal frameworks.
- Enhancing collaboration between governments, academia, and indigenous communities.
- Ensuring ethical commercial use and fair compensation.
- Promoting cultural education and transmission of TK to future generations.



Conclusion

- Traditional knowledge is a vital asset that needs protection.
- Collective efforts are necessary for safeguarding cultural heritage.
- Legal frameworks, ethical practices, and community engagement can ensure sustainable preservation and fair utilization of TK.



Any Query????

Thank you.....