



# **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**

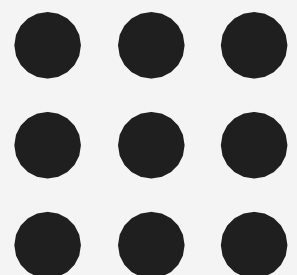
**Course Name – 19AD602 DEEP LEARNING**

**III Year / VI Semester**

**Unit 2-PROTECTION OF TRADITIONAL KNOWLEDGE**

**Topic: Role of Government to harness TK.**

**GULSHAN BANU.A/ AP/AI AND DS /Role of Government to harness TK/SNSCE**





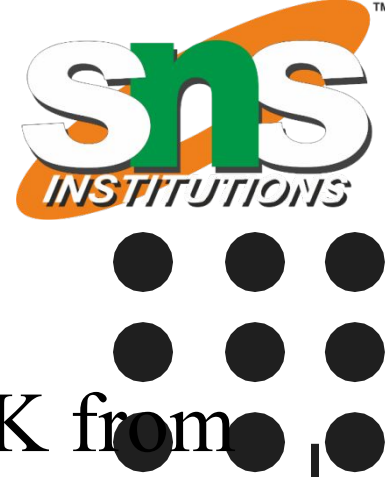
## Role of Government to harness TK.



The role of government in harnessing and protecting traditional knowledge (TK) is essential for ensuring its preservation and promoting its use in modern society. Governments play a critical role in recognizing the value of TK, protecting the intellectual property rights of indigenous communities, and fostering environments where TK can be integrated into contemporary development. By implementing policies that safeguard TK, governments can empower local and indigenous communities, ensure equitable sharing of benefits, and unlock the potential of TK for addressing global challenges in areas such as agriculture, healthcare, and environmental management. These actions are not only important for cultural preservation but also for promoting sustainable development and economic growth.



## Role of Government to harness TK.



One of the primary roles of the government is to establish legal frameworks that protect TK from unauthorized use and exploitation. Traditional knowledge, especially when it pertains to biological resources or medicinal plants, is often at risk of being appropriated by commercial entities without fair compensation to the communities that hold this knowledge. Governments can establish laws that recognize the rights of indigenous peoples and local communities over their TK, ensuring that they are compensated for its use. Legal mechanisms, such as intellectual property rights (IPR) frameworks, including sui generis systems specifically tailored to TK, can help ensure that traditional knowledge is not misused or taken without consent. Such protections provide communities with the means to safeguard their heritage and share in the benefits derived from their knowledge.



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In addition to legal protection and documentation, governments can promote the integration of TK into national and international development policies. TK has great potential to contribute to sustainable development goals (SDGs) by offering solutions that are environmentally friendly and culturally appropriate. Governments can create policies that encourage the inclusion of TK in sectors such as agriculture, medicine, tourism, and biodiversity conservation. For instance, in agriculture, traditional farming practices can be integrated into national agricultural strategies to promote sustainable food production. In healthcare, governments can support the development of natural medicines based on TK and ensure that such knowledge is shared in a way that benefits both indigenous communities and the broader population. By integrating TK into development policies, governments can ensure that traditional knowledge contributes to national progress while respecting the rights of its holders.



## Role of Government to harness TK.



Governments also play a crucial role in raising awareness about the value of TK, both domestically and internationally. Many people may not fully understand the importance of traditional knowledge and its potential applications. Through public education campaigns, media outreach, and international forums, governments can highlight the significance of TK in promoting sustainable and culturally diverse economies. By fostering greater understanding and respect for TK, governments can encourage ethical use and appreciation of this knowledge. This could involve collaborations with international organizations, such as the United Nations, to ensure that global efforts to protect TK are aligned with the rights of indigenous peoples and local communities.





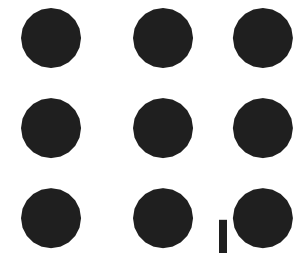
## Role of Government to harness TK.



In conclusion, the role of government in harnessing traditional knowledge is multi-dimensional and involves creating legal protections, facilitating documentation and research, integrating TK into development policies, and raising awareness about its value. Governments must ensure that indigenous and local communities retain control over their knowledge and benefit from its use, while also fostering an environment where TK can contribute to global sustainability and innovation. By actively engaging in the protection and promotion of TK, governments not only preserve valuable cultural heritage but also unlock the potential for economic and social progress.



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THANK YOU