



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 III- Legal framework and TK

Topic 4 : The Biological Diversity Act 2002 and Rules 2004



The Biological Diversity Act 2002 and Rules 2004

- Enacted to conserve biodiversity and ensure fair benefit sharing
- **Key Objectives:**
 - Conservation of biological diversity
 - Sustainable use of biological resources
 - Equitable sharing of benefits arising from genetic resources



Key Provisions of the Biological Diversity Act, 2002

- Establishment of **National Biodiversity Authority (NBA)**
- **State Biodiversity Boards (SBBs)** at the state level
- **Biodiversity Management Committees (BMCs)** at local levels
- Regulation of access to biological resources and associated knowledge
- Intellectual Property Rights (IPR) and benefit-sharing mechanisms
- Protection of knowledge of local communities



The Biological Diversity Rules, 2004

- Implements provisions of the 2002 Act
- Defines procedures for access to biological resources
- Mandates benefit-sharing agreements for commercial use
- Strengthens local participation in biodiversity conservation
- Establishes a framework for Traditional Knowledge protection



Challenges in TK, Biodiversity, Forest Rights, and Farmers' Rights Protection

- Lack of legal harmonization
- Difficulties in defining ownership
- Documentation vs. oral traditions
- Ensuring equitable benefit sharing
- Implementation challenges in FRA, 2006; PPVFR Act, 2001; and Biodiversity Act, 2002



Case Studies

- Neem patent case (India)
- Basmati rice controversy
- Hoodia plant and San community (South Africa)
- Forest Rights implementation challenges in India
- Farmers' Rights case studies under PPVFR Act
- Biodiversity conservation success stories in India

Future Directions

- Strengthening international cooperation
- Developing sui generis (customized) protection systems
- Role of digital tools in TK, biodiversity, forest rights, and farmers' rights preservation
- Raising awareness and capacity-building efforts



Any Query????

Thank you.....