



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 V- Traditional Knowledge in Different Sectors

Topic 5 : Importance of conservation and sustainable development of environment



Introduction

Title:

What is Environmental Conservation and Sustainable Development?

Environmental Conservation: The protection and preservation of ecosystems and biodiversity.

- Sustainable Development: Meeting present needs without compromising the ability of future generations to meet their own needs.



Why is Environmental Conservation Important?

Title:

The Importance of Conservation

- Biodiversity Preservation: Ensures the survival of species and ecosystems.
- Ecosystem Services: Provides vital services like clean air, water, pollination, and soil fertility.
- Climate Change Mitigation: Helps in reducing the effects of global warming.



What is Sustainable Development?

Title:

Understanding Sustainable Development

- Economic Growth: Growth that balances the use of resources with the needs of future generations.
- Social Equity: Ensuring that development benefits all communities and people.
- Environmental Protection: Sustainable use of natural resources without degrading ecosystems.



Challenges Facing the Environment

Title:

Environmental Challenges Today

- Climate Change: Global warming, melting ice caps, rising sea levels.
- Deforestation: Loss of forests, habitat destruction.
- Pollution: Air, water, and land pollution, affecting human health.
- Overconsumption of Resources: Depletion of natural resources like water, fossil fuels, and minerals.



The Role of Conservation in Sustainable Development

Title:

Conservation as the Foundation of Sustainable Development

- Protection of Natural Resources: Ensuring resources like water, land, and energy are used wisely and responsibly.
- Ecosystem Services: Conservation helps maintain the services ecosystems provide.
- Resilient Communities: Healthy ecosystems lead to more resilient communities in the face of environmental changes.



Benefits of Sustainable Development

Title:

Why is Sustainable Development Beneficial?

- Long-Term Economic Stability: Sustainable practices lead to long-term economic health.
- Social Well-Being: Improves health, education, and living standards.
- Environmental Health: Reduces pollution, conserves resources, and protects biodiversity.



Strategies for Conservation and Sustainability

Title:

Key Strategies for Environmental Conservation and Sustainable Development

- Renewable Energy Sources: Wind, solar, and hydroelectric power.
- Sustainable Agriculture: Organic farming, permaculture, crop rotation.
- Waste Management: Recycling, composting, reducing waste production.
- Reforestation and Afforestation: Planting trees and restoring forests.



Role of Individuals in Conservation

Title:

How Can Individuals Contribute?

- Reduce, Reuse, Recycle: Minimize waste and resource consumption.
- Support Sustainable Businesses: Choose products with minimal environmental impact.
- Advocate for Policies: Support policies that promote environmental protection and sustainability.
- Personal Actions: Reduce energy use, water consumption, and carbon footprint.



Role of Governments and Organizations

Title:

The Role of Governments and Organizations

- Legislation and Policy: Enacting laws to protect the environment.
- International Cooperation: Addressing global issues like climate change through treaties and agreements.
- Funding and Research: Supporting research and development of sustainable technologies and practices.
- Education and Awareness: Promoting sustainability and conservation through campaigns and education.



Case Studies

Title:

Successful Examples of Conservation and Sustainable Development

- Costa Rica's National Parks: Ecotourism and biodiversity conservation.
- Germany's Renewable Energy Transition: Moving towards sustainable energy sources.
- The Great Green Wall (Africa): A reforestation project to combat desertification.



Conclusion

Title:

Conclusion: A Call to Action

- Environmental Conservation and Sustainable Development: Essential for a balanced, healthy planet.
- Every Action Counts: Individuals, businesses, and governments all have a part to play.
- A Better Future Awaits: Protecting our environment today ensures a better tomorrow for all.



Any Query????

Thank you.....