

# PGDSS (Post Graduate Diploma in Sustainability Science)

- Demonstrate comprehensive knowledge and understanding about the new emerging discipline Sustainability Science.
- Demonstrate skills in identifying different challenges in achieving sustainable development at different level.
- Use the principle of sustainability science for critical assessment of a wide range of sustainable development projects, policies and planning at different level.
- Apply one's knowledge to develop different projects, policies and planning for achieving sustainable development at different level.

## MSD011: SUSTAINABILITY SCIENCE

- To understand the growth and genesis of Sustainability Science as a new emerging discipline.
- To Explain the integrated holistic sustainable development indices by giving Indian examples.
- Apply the ethical value behind sustainability, the concept of Human Development Index and Gross Happiness Index in bringing an eco-friendly lifestyle.
- To revisit the age old Indian ethics on natural environment.

### ASSESSMENT

- Assignment
- Term End Examination

## MSD 012: ECOSYSTEM AND NATURAL RESOURCES

- Define concepts of ecology, ecosystem and its types;
- To Understand the ecosystem services, importance of biodiversity, factors responsible for biodiversity loss and conservation and management of biodiversity.
- Explain the concept of land, soil and water as a resource.

### ASSESSMENT

- Assignment
- Term End Examination

## MSD 013: SOCIO-CULTURAL SYSTEM

- To understand meaning and functions of culture and society and marks the inter-linkages between each other.
- To explain the course of evolution of our present day beliefs and values that we believe in Ideas like Eco-philosophy of the West and Eco-cosmology.
- To examine the rationality of the traditional knowledge system and their real impact on sustainability.

### ASSESSMENT

- Assignment
- Term End Examination

## MSD014: ECOLOGICAL ECONOMICS

- To learn the basics of Ecological Economics in context of Sustainability
- To explain the concepts of ecosystem services and its valuation;
- To discuss the policy instruments for pollution control, conservation and clean energy; International protocols and carbon trading; and Green National Income Accounting.

### ASSESSMENT

- Assignment
- Term End Examination

## MSD 015: INSTITUTIONS, GOVERNANCE AND POLICIES

- To understand the concept of Institutions, governance and its role in achieving sustainable development;
- To explain the environmental governance system and the role of grassroot institutions in self governance;
- To discuss the emerging challenges, various attributes of good governance and an exhaustive analysis of Corruption and Right to Information Act.; National Environmental Policy, major environmental Laws and Acts in India.

### ASSESSMENT

- Assignment
- Term End Examination

## MSD 016: STRATEGIES AND MODELS FOR SUSTAINABILITY

- To understand the basic strategies to sustainable development and livelihood improvement.
- Application of the principle of Natural Resource Management at micro level like the need for People Biodiversity Register.
- To discuss the principles of models and its applications in sustainable development paradigm.

### ASSESSMENT

- Assignment
- Term End Examination

## MSD 017: CHALLENGES TO SUSTAINABLE DEVELOPMENT

- To study the major global challenges in achieving sustainable development like climate change, overpopulation, resource depletion, energy crisis, pollutions etc.

### ASSESSMENT

- Assignment
- Term End Examination

## MSDP 018: PROJECT

- to enhance analytical capability and leadership skill

### ASSESSMENT

- Project Report
- Viva voce