



# ENVIRONMENT AND DEVELOPMENT

## PROF. NGAMJAHAO KIPGEN

Department of Humanities and Social Sciences  
IIT Guwahati

**INTENDED AUDIENCE :** UG and PG students of Humanities and Social Sciences, Sciences and Engineering

### COURSE OUTLINE :

The course will consist of theoretical application and environmental knowledge pertaining to sustainable development. The course analyses the reciprocal interaction between the physical environment, the social organization and human behaviour in the context of development. The course will introduce students with an overview of environmental ethics, debates and change and to facilitate their understanding and analysis of the inter-relationship between environment and development issues and apply them to their own experience and work. To enhance the students' knowledge of the nature of and underlying causes of the most pressing environmental concerns and to understand how these impact on the lives and livelihoods of the local community. To look at the possibilities for environmental regeneration providing an analysis of case studies of local sustainable development initiatives and community based natural resource management. After the successful completion of the course the students will be able to comprehend the complexity and various forms and dimensions of development and environment issues and ground them in current issues and real life experiences.

### ABOUT INSTRUCTOR :

Prof. Ngamjahao Kipgen is Associate Professor of Sociology at the Department of Humanities and Social Sciences, Indian Institute of Technology Guwahati. His areas of research include environmental sociology, political sociology, cultural politics, ethnicity and nationalism in northeast India. He has been contributing research papers to reputed international peer-reviewed journals. He teaches The Study of Society, Environment and Development, Concepts and Ideologies in Social Life, Sociology of Religion, Sociological Perspectives on Modernity, and Research Methods in Sociology at IIT Guwahati.

### COURSE PLAN :

**Week 1:** Introduction: Development, economic growth and sustainable development, Basic ecosystem ecology.

**Week 2:** Environmentalism, Environmental Movement, Environmentalism in the global south

**Week 3:** Approaches to environment: Ecofeminism, Feminist political ecology, Marxism and ecology

**Week 4:** Debates on environmental ethics: Deep ecology, Gandhi and ecology, Social ecology

**Week 5:** Religion, environment and conservation: Religion, environment and historical roots of ecological crisis, Biodiversity conservation ethics in Buddhism and Hinduism, Christian religion in the age of ecological crisis

**Week 6:** Natural resource management, Common property vs. private property, Livelihoods, forests, and conservation

**Week 7:** Displacement, dispossession and development: Conservation-induced displacement, Environment impact assessment and national rehabilitation & resettlement policy, Dispossession and land acquisition

**Week 8:** Mainstream development trajectory: Strengthening or weakening of indigenous peoples: Mining, development, and indigenous people, Competing visions of development along the Narmada, Dams, development, and resistance: case studies

**Week 9:** Gender and development: Development theory and gendered approach to development, Gender, environment & sustainable development

**Week 10:** Environment and climate change: Climate change interventions and policy framework, Eastern Himalayas and climate change

**Week 11:** Belief and knowledge systems, biodiversity conservation and sustainability: Ecological knowledge, biodiversity conservation and sustainability, Traditional religion and conservation of nature in Northeast India: Case study

**Week 12:** Local knowledge in the environment-development discourse: Indigenous knowledge, environment and development, Relevance of indigenous knowledge: case study



Elite

# NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

**PAVITHRA G**

for successfully completing the course

## Environment and Development

with a consolidated score of **69** %

|                    |          |                |         |
|--------------------|----------|----------------|---------|
| Online Assignments | 22.81/25 | Proctored Exam | 46.5/75 |
|--------------------|----------|----------------|---------|

Total number of candidates certified in this course: **1867**

Jul-Oct 2022

(12 week course)

**Prof. T. V. Bharat**  
Head, Centre for Educational Technology  
NPTEL Coordinator, IIT Guwahati



Indian Institute of Technology Guwahati



Roll No: NPTEL22HS126S34580281

To validate the certificate



No. of credits recommended: 3 or 4



Elite

# NPTEL Online Certification

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This certificate is awarded to  
**RATHNA CHYTHANYA R**  
for successfully completing the course

## Environment and Development

with a consolidated score of **65** %

|                    |          |                |       |
|--------------------|----------|----------------|-------|
| Online Assignments | 23.13/25 | Proctored Exam | 42/75 |
|--------------------|----------|----------------|-------|

Total number of candidates certified in this course: **1867**

Jul-Oct 2022  
(12 week course)

**Prof. T. V. Bharat**  
Head, Centre for Educational Technology  
NPTEL Coordinator, IIT Guwahati



Indian Institute of Technology Guwahati



Roll No: NPTEL22HS126543430384

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No. of credits recommended: 3 or 4