



SYLLABUS OF CERTIFICATE IN CLIMATE CHANGE AND SUSTAINABLE DEVELOPMENT (CCSD)

For Academic Session 2017-18

Objectives:

1. The programme on Climate Change and Sustainable Development (CCSD) has been framed with an intention to provide a general concept within the dimensions of climate changes and challenges to Sustainable Development. It consists of five courses within the duration of 6 months. These are: CCSD: Principles and Approaches, CCSD: Challenges and Choices, CCSD: Policies and Programmes, CCSD: Stories of Success and CCSD: Project Work.
2. It is to equip the learners with appropriate tools and techniques for interpreting the impacts of climate change, and evaluating & implementing measures that reduce vulnerability of systems. Thus, ensuring University – Industry interface in Skill-based education through empowering the learners with the mitigation and adaptation strategies against climate changes in future.
3. It offers an opportunity to interact with administrators, community leaders, NGOs and professionals helping the students to understand the broad framework of Climate Change in India in general and Odisha in particular.

Duration: 6 month

Total Credit: 18

Semester - I		
Course Code	Course Title	Credit
CCSD-01	Introduction to Climate Change and Sustainable Development: Principles and Approaches	4
CCSD -02	Climate Change: Challenges and Choices	4
CCSD -03	Climate Change and Sustainable Development: Policies and Programmes	4
CCSD -04	Climate Change and Sustainable Development: Stories of Success	4
CCSD -05	Project Work	2

Semester – I

CCSD-01	Introduction to Climate Change and Sustainable Development: Principles and Approaches	4 Credit
Block-1:	Global Climate System	
Block-2:	Climate Change: Causes and Consequences	
Block-3:	Sustainable Development: Scope and Emerging Trends	
Block-4:	Climate and Sustainable Development: An Interface	
CCSD -02	Climate Change: Challenges and Choices	4 Credit
Block-1:	Climate Change and Water	
Block-2:	Climate Change: Forest and Biodiversity	
Block-3:	Climate Change: Coastal Ecosystem	
Block-4:	Climate Change: Agriculture and Food Security	
CCSD -03	Climate Change and Sustainable Development: Policies and Programmes	4 Credit
Block-1:	Sustainable Development Goals: An overview	
Block-2:	Climate Change and Sustainable Development: National and State Policies	
Block-3:	Achieving Sustainable Development Goals: Role of Various Stakeholders	
Block-4:	Building Partnership for Climate Change and Sustainable Development	
CCSD -04	Climate Change and Sustainable Development: Stories of Success	4 Credit
Block-1:	Cross Country Experiences	
Block-2:	National Experiences	
Block-3:	Regional Experiences	
Block-4:	Community led Experiences	
CCSD -05	Project Work	2 Credit
	Topic should be selected in relevance to the Course Curriculum.	