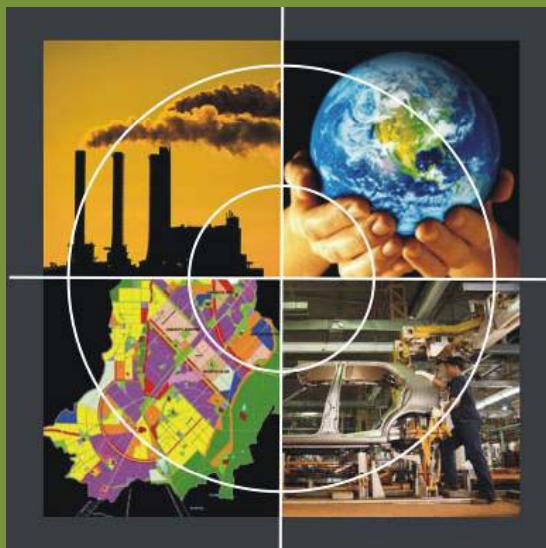


Professional Certificate Course

(e-learning mode)

on

Environmental Planning and Management



Centre for Continuing Education CEPT UNIVERSITY

Kasturbhai Lalbhai Campus, Navrangpura,
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COURSE OBJECTIVES

The process of economic development typically leads to Environmental problems, which are becoming more serious because of the interacting effects of increasing industrialization and urbanization, and poor environmental planning and management practices.

The urgency for efficient environmental planning and management to reduce the environmental impact on public health, productivity and quality of life has been expressed in several world fora in recent times. This course has been therefore designed to highlight the application value of the theory and practice of Environmental Planning and Management as followed internationally.

WHO MAY BENEFIT

The course will be helpful to Planning and Management Professionals working in public or private sector, Academicians, Environmental Consultants, self employed practitioners, NGO workers involved in Environment and Development Sector, Government Employees, Journalists, Lawyer, social scientist / worker, Science/ Engineering graduates and Post graduates.

ELIGIBILITY

- Graduation in any discipline with minimum 50% marks
- Diploma (50% marks) and work experience (minimum 1year)
- Professional student appearing final year exam

COURSE FEE

- For Professionals Rs. 15,000/- for the entire course
- For Students Rs. 10,000/- for the entire course

ADMISSION

This e-course is offered twice every year (April & November). For details contact course director. Details of admission and application form can be downloaded from the website www.cept.ac.in

COURSE DELIVERY

This course is delivered based on concept of "any time any where", through the web based e- learning portal. The course consists of self-paced modules, readings, case studies, and assignments. The registered students have the freedom of studying at their convenient time with the free access to E-learning portal of the University. **Total duration of the course is 6 months.**

CONTACT DETAILS

COURSE DIRECTOR: PROF. SUBHRANGSU GOSWAMI
Faculty of Planning & Public Policy
CEPT UNIVERSITY
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Email: s.goswami@cept.ac.in

CONTACT PERSON: Ms. Archana Joshi
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Email: archana.plan@gmail.com
epm.ecourse@cept.ac.in

Course Advisors:

- Dr. A. K. A Rathi (Environment Management)
- Dr. R. Gopichandran (Environment and Development)

COURSE STRUCTURE

Module	Topics
Module 1	Environment & Sustainable Development
Module 2	International Environmental Conventions / Agreements / Protocols
Module 3	Policy and Legal Aspects in India
	Assignment-I
Module 4	Approaches to Environmental Planning
Module 5	Climate Change & Settlement Planning
Module 6	Environmental Impact Assessment (EIA)
	Assignment-II
Module 7	Environmental Risk Assessment (ERA)
Module 8	Environmental Auditing (EA)
Module 9	Environmental Management Systems & Techniques: ISO 14000; LCA; Eco Labeling
	Assignment-III
Module 10	Green Buildings: Theory and Practices
Module 11	Energy and Environment
Module 12	Waste Management: Concepts & Techniques
	Individual Final Assignment

Professional Certificate Course

on

Environmental Planning & Management (EPM)

Detailed Course Outline

	Module	Class	Topics
Module -1	Environment and Sustainable Development	Class 1	Introduction to Environment
		Class 2	Global Environmental Issues and Challenges
		Class 3	Local Environmental Issues and Challenges
		Class 4	Need for Environmental Planning and Management
		Class 5	Sustainable Development: The Concept and Principles
Module -2	International Environmental Conventions / Agreements / Protocols	Class 6	World's Response to the Concept of SD
		Class 7	International Conventions & Agreements
		Class 8	International Conventions & Agreements
		Class 9	Role of India in International Agreements
		Class 10	Role of India in International Agreements
Module -3	Policy and Legal Aspects in India	Class 11	Introduction to Environmental Policy
		Class 12	Environmental Institutions in India
		Class 13	Environmental Policies and Action Plans in India
		Class 14	Environmental Laws & Regulations in India
		Class 15	Environmental Laws & Regulations in India
Module- 4	Approaches to Environmental Planning	Class 16	Introduction to Environmental Planning and Carrying Capacity based approach
		Class 17	Environmental Planning approach in Urban Areas: Case of Eco-City Programme / Case of City Sanitation Plan (CSP)
		Class 18	Environmental Planning approaches in Industrial Areas - Concept of Industrial Ecology and Eco-Industrial parks
		Class 19	Geographical Information System (GIS) and Its Applications
		Class 20	Application of GIS in Environmental Planning – Case of Zoning Atlas

	Module	Class	Topics
Module -5	Climate Change & Settlement Planning	Class 21	Basics of Climate Change & Global Warming
		Class 22	Impact of Climate Change
		Class 23	Adaptation & Mitigation strategies
		Class 24	City Resilience Strategy : Case Study of Indian Cities
		Class 25	GHG inventory and CDM Process
Module-6	Environmental Impact Assessment (EIA)	Class 26	Introduction to Environmental Management Tools
		Class 27	Environmental Impact Assessment (EIA) : Legal Framework
		Class 28	Key Steps in EIA Process; Case Studies
		Class 29	Environmental Management Plan ; Case Studies
		Class 30	Concept of SEA, REA & SEMF ; Case Studies
Module-7	Environmental Risk Assessment (ERA)	Class 31	Environmental Risk Assessment
		Class 32	Typology of Risk Assessment - Health Risk Assessment
		Class 33	Ecological Risk Assessment & Industrial Risk Assessment
		Class 34	Evaluation of Risk & Risk Management
		Class 35	Case Studies
Module 8	Environmental Auditing (EA)	Class 36	Introduction to Environmental Audit
		Class 37	Environmental Audit Procedure
		Class 38	Step by Step Approach to Environmental Auditing
		Class 39	Questionnaire for Environmental Audit
		Class 40	Case Studies
Module -9	Environmental Management Systems & Techniques	Class 41	Introduction to Environmental Management Systems
		Class 42	EMS Standard: ISO 14001
		Class 43	Integration of ISO 14001 and other Management Systems
		Class 44	Life Cycle Assessment (LCA)
		Class 45	Eco-Labeling
Module -10	Green Buildings: Theory and Practices	Class 46	Concept and Principles of Green Building
		Class 47	Green Building Rating Systems
		Class 48	Green Rating for Integrated Habitat Assessment (GRIHA)
		Class 49	IGBC Green Homes Rating System; LEED India
		Class 50	Case Studies

	Module	Class	Topics
Module- 11	Energy and Environment	Class 51	Energy & Environment Linkages
		Class 52	Renewable Energy Sources
		Class 53	Energy Conservation
		Class 54	Energy Management
		Class 55	Case Studies
Module -12	Waste Management: Concepts & Techniques	Class 56	Typology of Waste and Treatment Approach
		Class 57	Municipal Solid Waste Management
		Class 58	Hazardous Waste Management
		Class 59	Waste Water Treatment: Centralised Approach
		Class 60	Waste Water Treatment: Decentralised Approach
