COURSE DETAILS

A. Name of the Institute	**Environment Protection Training and Research Institute (EPTRI), Hyderabad, Telangana, India**
B. Name/Title of the Course	**Environmental Management**
C. Course Dates with Duration in Weeks	From 27th February – 18th March 2023 In weeks: Three (3) Weeks
D. Eligibility Criteria for Participants 　1. Educational Qualifications 　2. Work Experience required, if any 　3. Age Limit 　4. Target Group	 Bachelors or Masters Degree in Sciences, Social Sciences and Engineering Minimum 2 years in relevant area 25-45 years Junior to Senior Level Government officials, Academicians, Environment Regulatory Authority, Urban Local Bodies and Public/Private Sector officials dealing with Environmental Management including under-graduate, graduate & research scholars.
E. Aims & Objectives of the Course	The course will give an opportunity to learn about trends that influence the environment and the living conditions and how different management systems and approaches are used around the world to manage the environment. It will include current environmental technologies built for the environment and technologies for sustainable soil management, groundwater protection methods and integrated water resources management.
F. Course Contents	Course content overleaf
G. Mode of Evaluation of performance of the participants	1. During the course, questions, will be posed to the participants 2. Participants will be requested to recap the previous day program 3. Exercise will be given, the result of which will constitute the performance evaluation. 4. Participants will make presentation on existing and future plan of action in their respective organizations. This exercise will provide a chance to the participants to think through what they have learnt, new things they can adopt.

Rationale for training in Environmental Management[1]:

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[1] This module is prepared keeping in line with the International Developments and Developments in India and as per a course run by the Technical University of Denmark (DTU)

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The objectives of the course on Environmental management:

1. Learn global trends influencing the environment and living conditions

2. Learn about different management systems and approaches used to manage the environment

3. Learn about technologies for built environment

4. Learn about technologies for sustainable soil management, groundwater protection and integrated water resources management

Course contents:

1. **Trends: National and Global**
    i. Course structure
    ii. Sustainable Development
    iii. Demographic Trends
    iv. Urbanization
    v. Urban transport and public areas
    vi. Urban Housing
    vii. Environment health

2. **Environmental Management**
    I. Assessing water quality
    II. Cities and climate change
    III. Waste in resource efficiency
    IV. Partipation in Environmental Management
    V. Stakeholder and Social Sustainability Analysis
    VI. Case studies (1-3)

3. **Environmental Management by Utilities**
    i. Integrated Urban Water Management (IUWM)– issues and challenges
    ii. Case study: Strom water Management
    iii. Case study: Water Supply and IUWM
    iv. Environment Management in Rural Areas
    v. Air Pollution
    vi. Solild Waste Management - Phases
    vii. Solid Waste Management Systems and Regulations

4. **Built Environment - Technologies**
    i. Introduction to Integrated Urban Drainage- Wastewater Systems

    ii.   Urban Water Technologies

    iii.   Safe and Optimal Water Supply

    iv.   Rural Environmental Technologies

    v.   Solid Waste Technologies

    vi.   Case studies

5. **Other Technologies**

    i.   Groundwater Protection

    ii.   Soil Mangement

    iii.   Regional Water Resources Management

6. **Sustainable Development Goals (SDG's)**

7. **Design Thinking for strategy & innovation**