**COURSE DETAILS**

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| 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]](#footnote-2):**

The course will give an opportunity to learn about trends that influence the environment and the living conditions and how different management systems and approachesare 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.

**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**
2. Course structure
3. Sustainable Development
4. Demographic Trends
5. Urbanization
6. Urban transport and public areas
7. Urban Housing
8. Environment health
9. **Environmental Management**
10. Assessing water quality
11. Cities and climate change
12. Waste in resource efficiency
13. Partipation in Environmental Management
14. Stakeholder and Social Sustainability Analysis
15. Case studies (1-3)
16. **Environmental Management by Utilities**
17. Integrated Urban Water Management (IUWM)– issues and challenges
18. Case study: Strom water Management
19. Case study: Water Supply and IUWM
20. Environment Management in Rural Areas
21. Air Pollution
22. Solild Waste Management - Phases
23. Solid Waste Management Systems and Regulations
24. **Built Environment - Technologies**
25. Introduction to Integrated Urban Drainage- Wastewater Systems
26. Urban Water Technologies
27. Safe and Optimal Water Supply
28. Rural Environmental Technologies
29. Solid Waste Technologies
30. Case studies
31. **Other Technologies**
32. Groundwater Protection
33. Soil Mangement
34. Regional Water Resources Management
35. **Sustainable Development Goals (SDG’s)**
36. **Design Thinking for strategy & innovation**

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) [↑](#footnote-ref-2)