

## **ENVIRONMENTAL MANAGEMENT (3+0)**

### **Objective**

This course provides an overview of the key concepts and principles in environmental management, areas of global and national environmental concern, and strategies and tools for effective environmental management. Attempt to understand the genesis of environmental problems; the concerns that lead to various international and national initiatives to tackle them have been made in this course. Various tools, which can be used to address environmental problems and the role that the professionals can play in managing environment in their respective areas would be discussed.

### **Syllabus**

1. Principles of Environmental Management.
2. Principles of Ecology, Environment & Environmental Management.
3. Policies and Legal Aspect of Environmental Management.
4. Overview of Environmental Impact Assessment (EIA).
5. Preparation and Review of Environmental Impact Assessment Report.
6. Environmental Audit.
7. Life Cycle Assessment as EM Tool.
8. Environmental Management Systems Standards: ISO 14000 (EMS).
9. Related Issues in Environmental Management.
10. Environmental Design.
11. Environmental Economics.
12. Basics of Data base Management System (DBMS), Geographic Information System (GIS) and Remote Sensing
13. Geographic Information System (GIS) and Remote Sensing in Environmental Management.

### **Minimum Background Required**

In-service professionals / Fresh graduates in Engineering

### **Duration & Course Fee**

The course is designed for 4 months (total credits 3+0).

Course Fee: Rs.9,000/- The intake is limited to 50 and the admission is based on First-cum-First-Served basis.

### **Course Schedule**

- ~ Classroom briefing and introductory sessions at the beginning of the course (3 days - 26th Aug – 28th Aug 2006)
- ~ Interactive session through WEB and Email for two months
- ~ Mid-term contact session (3 consecutive days) & Mid-term Exam
- ~ Project work after the Mid-term contact session
- ~ Final contact session (3 days) and Final exam at the End of the Course

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