

## **CE- 705 Elective- I (CE- 7105 Environmental Impact Assessment)**

### **UNIT-I**

**Concept of EIA :** Introduction of EIA, Utility and scope of EIA, Significant Environmental Impacts, Stage of EIA, Environmental Inventory, Environmental Impact Statement (EIS)

### **UNIT-II**

**Methods of Impact Identification :** Environmental Indices and indicators for describing the affected environment, matrix methodologies, network, checklist, and other method.

### **UNIT-III**

**Impact analysis :** Framework, statement predication and assessment of impact of air, water, noise and socio-economic environment.

### **UNIT-IV**

**Preparation of written documentation :** Initial planning phase, detailed planning phase, writing phase, organizing relevant information, co-ordination of team writing effort.

### **UNIT-V**

**Public Participation in Environmental Decision making :** Basic definitions, Regulatory requirements, Advantages & disadvantages of Public Participation, Selection of Public participation techniques, Practical considerations for implementation.