

## **ABUSVAC06 - Sustainable Development**

### **Learning Objectives**

The objective of this course is to

Understand the basic concept of sustainable management the environmental, social and economic dimensions.

Know the history of the sustainable development idea.

Be able to discuss the conflicts which are involved in the SD concept on the national as well as on the global scale.

Be familiar with potential strategic options for SD (efficiency, sufficiency).

Be able to discuss the (dis-) advantages of instruments for SD.

Understand the SD challenge for companies their responsibility and their potentials for action.

### **Course Outcomes**

Upon completion of the course students will be able to

- Further develop the ability of students to integrate and make autonomous use of their knowledge to sustain the environment.
- Develop the students ability to deal with complex phenomena, issues and situations of sustainable development.
- Develop the students potential towards, sustain the environment for professional activities that demand considerable autonomy or for research and development work.
- Develop the ability of students to integrate various management concepts and procedures to sustain the environment with minimum cost.

- Understand the role of corporate in environment sustainability.
- Understand the role of various national and international organisation in sustainable development.

### **Unit I Introduction Fundamentals of Environment**

Status of environment - Environmental, social and economical issues - Need for sustainability - Nine ways to achieve sustainability - Linkage between population, resources, development and environment.

### **Unit II Sustainable Concept**

Concept of sustainability - factors governing sustainable development-linkages among sustainable development - Environment and poverty - Determinants of sustainable development.

### **Unit III Sustainable Development Goals**

UN sustainable development goals -causes and potential consequences of climate change and their relationship to SDG. Environmental finance - Eco marketing - green advertisement - organic products - issues in marketing of organic products - Eco -tourism - Natural resource conservation and management.

### **Unit IV Organisational Social Responsibility**

Corporate / Organisation Social Responsibility - sustainability strategy development - management tools for sustainable development - sustainable / ethical investment accounts - sustainable product development and design - conflict between farming and the environment.

### **Unit V Organisations in SD**

Environmental impact assessment - participants in environmental management - approaches to environmental management - approaches to environmental management - emerging environmental issues - Role of international organisations, national and local governments, environmental organisation industry and commerce and non-government organisation.

**Text Books:**

Jean - Yves Grosclaude and Rajendra K. Pachauri "Innovation for Sustainable Development", Sultan Chand & Sons, New Delhi, 2011.

Tracey Strange and Anne Bayley "Sustainable Development: Linking Economy, Society, Environment", Himalaya Publication, Mumbai 2004.

**Supplementary Readings:**

Bradley Striebi, "Engineering Applications in Sustainable Design and Development" New Delhi, Prentice Hall of India, 2003.

Ramakrishnan "Ecology and Sustainable Development", Sultan Chand and Sons, New Delhi, 2013.

Sushma Goel, "Management of Resources for Sustainable Development" PHI Learning, New Delhi, 2008.