

# **P2PLBC06 - PLASTICS WASTE MANAGEMENT AND RECYCLING**

## **Module I**

Plastics Waste: Definition of plastics waste and the associated problems, Identification, collection methods and separation. Integrated waste management – source reduction, recycling, energy recovering process through thermal and biological destruction, Land filling and composting.

## **Module II**

Recycling of plastics: Recycling and sustainability correlation, Basic principles and recovery, recycling and resource conservation. Recycling Technology.

## **Module III**

Waste recycling and pollution control.

## **Module IV**

Environmental issues, policies and legislation in India.

## **Text Book**

1. R.J.Ehrig (Ed.), "Plastics Recycling – Products and Processes" Hanser Publication, Munich
2. Anthony L. Andrady (Ed.), " Plastics and the Environment:, Wiley Interscience, New York
3. Ministry Of Environments - Publications
4. R.J.Brandrup, "Recycling and recovery of Plastics", Hanser Publications, Munich (1996).
5. N.Mustafa, "Plastics Waste Managements, Disposal Recycling and Reuse, marcel Dekker, New York (1993).