**E-Waste Management**

**Add on Course for IVSemester**

**B.E. Computer Science and Engineering**

**Duration:** 30 Hours

**Syllabus**

**Module 1:  INTRODUCTION**

What is E-Waste, Indian and global scenario of e-Waste, Growth of Electrical and Electronics industry in India, E-waste generation in India, Composition of e-waste, Possible hazardous substances present in e-waste, Environmental and Health implications.

**Module 2:  E-WASTE LEGISLATION**

Regulatory regime for e-waste in India, The hazardous waste(Management and Handling) rules 2003, E-waste management rules 2015, Regulatory compliance including roles and responsibility of different stakeholders – producer, manufacturer, consumer etc., Proposed reduction in the use of hazardous substances(RoHS), Extended producer responsibility (EPR).

Module 3: **END OF LIFE MANAGEMENT OF E-WASTE**

Historic methods of waste disposal – dumping, burning, landfill, Recycling and recovery technologies –

Reference:

Johri R., “E-waste: implications, regulations, and management in India and current global best practices”, TERI Press, New Delhi.