

PROGRAM STRUCTURE

Nano Sensitization Program

Unit 1. About Nanotechnology

Chapter 1. Introduction and Definition of Nanotechnology

Chapter 2. History of Nanotechnology

Chapter 3. Future of Nanotechnology

Unit 2. Potential of Nanotechnology

Chapter 1. Latest Development in Nanotechnology

Chapter 2. Research & Development in Nanotechnology

Chapter 3. Nanotechnology in India

Chapter 4. Nanotechnology Globally

Unit 3. Opportunities in Nanotechnology

Chapter 1. Career & Job Opportunities in Nanotechnology

Chapter 2. Global Institutes providing education

Unit 4. Nanotechnology Spectrum

Chapter 1. Applications of Nanotechnology

Chapter 2. Ethical Issues in Nanotechnology

Nanotechnology-Nanochemistry, Nanophysics, Nanobiology

Unit 1: Nanochemistry

Chapter 1: Basics of Nano Chemistry

Chapter 2: Nano Particles

Chapter 3: Carbon Nanotubes

Chapter 4: Nano Composites

Unit 2: Nanophysics

Chapter 1: Basics of Nano Physics

Chapter 2: Nano Electronics

Chapter 3: Nano Robotics

Chapter 4: Nano Magnetism

Unit 3: Nanobiology

Chapter 1: Basics of Nanobiology

Chapter 2: Nanobiology Today

Chapter 3: Nanomedicine

Chapter 4: Biomedical Applications of Nanobiology

