

PLASTIC WASTE MANAGEMENT

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This course will introduce students to the fundamental concepts of plastic waste management and the approaches required to create sustainable solutions for communities. The students will be able to 1. understand the Magnitude of the problem on a global scale and in the Indian setting. 2. Comprehend the severity of Pollution from Plastic in the ocean, micro-plastic formation, and its impact on sea life, human health, and the economy 3. Know Current practices of plastic waste management and identify the best way to manage plastic waste and mitigate the risk. Students will understand the trans-disciplinary approach to sustainability, applied science, and social and economic issues. They will learn the basic life cycle assessment (LCA) concepts and apply life cycle assessment methodology using appropriate case studies. The available opportunities and challenges being faced in developing a sustainable model for plastic waste management in India will be discussed.