



S.N.D.T. Women's University, Pune Campus

DEPARTMENT OF GEOGRAPHY

Maharshi Karve Vidyavihar, Karve Road, Pune 411038

NEP 2020 STC
Admissions

2023-24



Environment Sustainability Through Zero Waste

Key Features

- Choice Based Credit System (CBCS) Short Term Course
- 2 Credit Course
- Total Lectures : 30
- Participatory Teaching Learning Method
- Sustainable Livelihood Workshop
- Field Visits at Waste Management Centres

Eligibility : Graduation from any UGC recognized University

Contact Details

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Make your contribution towards the Environment by joining this course !

SNDT Women's University, Mumbai
Department of Geography, PGSR, Pune Campus
NEP-2020 CBCS Short Term Course
Environment Sustainability Through Zero Waste

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|------------------|-------------------|
| Code No: | Credits: 2 |
| Marks: 50 | Hours: 30 |

Introduction of the Course

Humans, as a resource, make use of a variety of natural resources in the environment to meet their basic needs. High growth of population, urbanization, changing lifestyles raise various environmental issues like pollution, environmental instability, waste generation etc. in present days. Waste generation is the most severe of urbanization and it is a Global environmental issue. Therefore, it has been attempted to create the knowledge, attitude, awareness and practice towards the about the zero waste management practices or environmental sustainable development is the major aim of this course. With this broad aim the curriculum of this module is structured into two submodules.

1) Learning Objectives:

- a. To understand the concept and goals of zero waste and environmental sustainability.
- b. To assess the various zero waste management practices for the environmental sustainability.
- c. To develop the awareness of zero waste management practices in society through the students.

2) Course Content:

| No. | Module Title | Content |
|------------|---|--|
| 1 | Introduction To Environment Sustainability and Zero Waste | Concept of Environment Elements of environment, Sustainability Types of Environmental Sustainability Waste and Zero waste, Sources of Waste and types of waste Goals of zero waste |
| 2 | Zero Waste | Sustainable livelihood through Zero Waste |

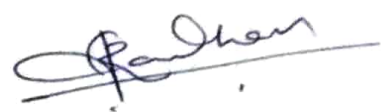
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| | Management Practices | 4R -Reduce, Reuse, Recycle and Recover, Zero Waste and Management Practices Sustainable livelihood workshop Field visit to the centres of Zero Waste practices |
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3) **Learning Outcomes:** Students will able to:

1. Associate the significance of zero waste for environmental sustainability.
2. Criticize zero waste management practices and their application in their local environment.

4) **Suggested Reading Materials**

- Asthana, D. K. and Asthana, M. (2012). A Textbook of Environmental Studies, S. Chand & Company Ltd., New Delhi.
- Savindra Singh (2012). 'Environment Geography', New Century Publications, New Delhi.
- Rajgopalan, R. (2016). 'Environmental Studies - from crisis to cure', Oxford University press, New Delhi. Third Edition.
- Jagbir Singh, AL Ramanathan (2010), Solid Waste Management: Present and Future Challenges, I. K. International Publishing House Pvt. Limited
- Ram Chandra (2016), Environmental Waste Management, CRC Press/Taylor & Francis Group, U.S.
- State of India's Environment (2019), Down to Earth Annual, New Delhi www.downtoearth.org.in
- John Pichtel(2014), Waste management practices, CRC Press/Taylor & Francis Group, U.S.
- Atiq Zaman, Tahmina Ahsan (2019), Zero-Waste:Reconsidering Waste Management for the Future, Taylor & Francis, U.S.
- Bea Johnson (2013), Zero Waste Home:The Ultimate Guide to Simplifying Your Life by Reducing Your Waste, Scribner UK.
- Ni-Bin Chang and Ana Pires (2015), Sustainable Solid Waste Management, Wiley, U.S.A.
- K. K. Seth (2012), Waste management, Omega Publications, New Delhi.


Course-co-ordinator