



# SUSTAINABLE AND AFFORDABLE SANITATION SOLUTIONS FOR SMALL TOWNS: POLICY, PLANNING AND PRACTICE

**PROF. N. C. NARAYANAN**

IDP in Climate Studies

IIT Bombay

**TYPE OF COURSE** : New | Elective | UG/PG**COURSE DURATION** : 4 weeks (29 Jul'19 - 23 Aug'19)**EXAM DATE** : 29 Sep 2019**INTENDED AUDIENCE** : Academic Institutions, Government Agencies**COURSE OUTLINE :**

In addition to the technical aspects, the current course offers insights to integrated sanitation planning, specifically for small towns.

**ABOUT INSTRUCTOR :**

Prof. N.C. Narayanan is a Professor at Centre for Technology Alternatives for Rural Areas. He obtained his Ph.D in Development Studies from International Institute of Social Studies, the Hague, Netherlands. He is also an Associate Faculty and Member of IDPC of Centre for Policy Studies and Associate Faculty of IDP on Climate Studies, IIT Bombay. He was a Fulbright Visiting Professor at the University of California Berkeley in 2016-17.

**COURSE PLAN :**

- Week 1:** Current Status of Water Pollution in Indian cities: Problems, Issues and Challenges, Problems of Dominant Approach in Municipal Wastewater Management Shifts in Sanitation Planning: The Emergent Alternative Solutions, Strategies to Alternative Sanitation Planning for Small Towns
- Week 2:** Technology Options in Wastewater Management, Wastewater Management, Steps to Sanitation Planning for Small Towns (Case of Alibag), Developing Sanitation zones and waste watershed zones
- Week 3:** Current status of Solid Waste Management in Indian Cities: Problems, Issues and Challenges Shifts in Solid Waste Planning: The Emergent Alternative Solutions, Strategies and Steps to ve Solid Waste Planning for Small Towns: A case study of Alappuzha
- Week 4:** Current status of Fecal Sludge Management in Indian Cities: Problems, Issues and Challenges Approaches and Tools to Fecal Sludge Management Strategies and Steps to Fecal Sludge Management for Small Towns