

## About the Trainer



**Mr Vishwas Kale** is a renowned technocrat in the wastewater treatment field. He has over 40 years of experience in design and execution of water and wastewater treatment plant projects. A member of Water Environment Federation (WEF), USA/Air & Waste Management Association, USA, Life Fellow of Indian Water Works association (India) and Past President of Indian Environmental Association (2001-2003), Mr Kale provides consultancy to Water, Sewage and Industrial waste all over India and North Africa. He has authored numerous papers in journals and conferences. Mr Vishwas Kale is Chairman and Managing Director of Klean Environmental Consultants Pvt. Ltd.

## Master Class Course Preview

### **Benefits of Operation & Maintenance of Wastewater Treatment Plants**

- Day I**            **Type of Treatment plant**  
This will include necessary documentation involved and treatment plant performance expected.
- a. Water Treatment Plant (Domestic and Industrial)
  - b. Sewage treatment plant
  - c. Industrial effluent/waste treatment plant
  - d. Zero Liquid Discharge plant (ZLD)
- Day II**            **Theory of Treatment Plants**  
This will be a brief theory of each alternative selected to economise the plant.
- a. Design concepts
  - b. Various techno economical alternatives.
  - c. Newer equipment to minimise labour cost.
  - d. Automation of treatment plants.
- Day III**            **Troubleshooting**  
This will cover typical problems faced during day-to-day operation at various stages.
1. Process
  2. Not meeting design parameters
  3. Equipment
  4. Operational problems
  5. Automation