

# ENVIRONMENTAL ENGINEERING LABORATORY

**Location: ROOM NO. 203, FIRST FLOOR, WORKSHOP BUILDING, ADIT**

## **Introduction of Lab:**

The Civil engineer must be aware of the environmental effects of pollutants and should be able to understand the pollutants, their characteristics and manage systems to mitigate them. Environmental engineer aims for designing environmental sustainable solutions for reducing pollution (water, wastewater, soil, air). At the same time, monitoring the activities involving quality of natural water bodies, sewage treatment, industrial wastewater treatment, air pollution by industrial processing, ground water pollution and such other environmental issues are also part of duties and responsibilities of environmental engineer.

With this objective, the environmental engineering laboratory is equipped with:

(a) Digital pH Meter, (b) Dissolved Oxygen meter, (c) Conductivity & TDS meter, (d) Spectrophotometer, (e) Digital Sound meter, (f) Digital turbidity meter, (g) BOD Incubator, (h) High Volume Air Sampler, (i) Muffle Furnace (12x6x6cm), (j) Distillation Apparatus, (k) Jar Test apparatus and (k) Analytical Balance (max. 220gm).

**CIVIL ENGINEERING DEPARTMENT,  
A.D.PATEL INSTITUTE OF TECHNOLOGY**