



S. N. Patel Institute of Technology & Research Centre, Umrahk

(A Vidyabharti Trust Institution)

Civil Engineering Department Semester-VI

Laboratory Name: Environmental Engineering

Sr.No.	Equipment Name
1	Physical Characterization of water: Turbidity, Conductivity, pH
2	Analysis of solids content of water: Dissolved, Settle able, suspended, total, volatile, inorganic etc.
3	Determination of Alkalinity and acidity
4	Determination of Hardness: total hardness, calcium and magnesium hardness
5	Determination of Chlorides
6	Determination of Optimum coagulant dose: Jar Test
7	Chemical Oxygen Demand (COD)
8	Dissolved Oxygen (D.O) and Biochemical Oxygen Demand (BOD)
9	Determination of residual chlorine in water
10	Bacteriological quality measurement: MPN
11	Ambient Air quality monitoring (SPM, SO _x , NO _x)
12	Ambient noise measurement