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PRACTICAL COURSES

ESP518 WATER AND WASTEWATER MANAGEMENT LAB.

Course Outcomes:

CO1 Learn the methodology of determination of physico-chemical parameters of water.

CO2 Learn different methods to assess soil quality.

CO3 Visit to water purification and wastewater treatment plants

CO4 Enhance their knowledge about water and wastewater management.

CO4 Describe infiltration and runoff characteristics of water.

CO5 Learn techniques of water and wastewater analysis which help in employability.

1. Determination of DO in water and wastewater.
2. Determination of BOD in water and wastewater.
3. Determination of COD in water and wastewater.
4. Determination of porosity and permeability of different soils.
5. Determination of infiltration and runoff characteristics.
6. Determination of nitrite content in water.
7. Determination of sulphate content in water.
8. Determination of silicate content in water
9. Determination of phosphate content in water.
10. Visit to water & wastewater treatment plants.

ESP519 SOLID WASTE MANAGEMENT LAB.

Course Outcomes:

CO1 Characterize solid waste from different sources.

CO2 Conduct the experiments using leachate prepared from solid waste.

CO3 Learn compost analysis.

CO4 Know the method of determination of chemicals in solid waste.

CO5 Learn solid waste management methods which develops skills