LABORATORY DETAILS

1. Petroleum and Petroleum Products Testing Laboratory:

This laboratory is equipped with all basic testing equipment's required for conducting the prescribed tests for petroleum and petroleum products. All the tests are conducted as per the ASTM standards and students are given rigorous training by involving them actively with due precautions.

2. Petrochemical Synthesis and Petroleum Assay Laboratory:

This laboratory is mainly used for dealing with synthesis part of petrochemicals. Laboratory has all the necessary equipment and facilities like different types of glass reactors and autoclave for conducting high pressure reactions. This laboratory has setups like True Boiling Point (TBP) apparatus, different test engines rigs like Diesel and Petrol Engines, split bed reactors etc.

3. Mass Transfer Operation Laboratory:

This laboratory is equipped with modern and sophisticated equipment like distillation setups including Simple distillation column, Packed bed column, Sieve Plate column, Flash distillation column and Vapor –Liquid Equilibria. Including different types of operation such as Solid-Air Diffusion setups, Batch Crystallizer, Humidification & Dehumidification setups along with the Wetted wall column and Water Cooling Tower.

4. Analytical Laboratory:

This laboratory is equipped with modern and sophisticated instruments like GC, HPLC, UV-spectrophotometer, Trace metal analyser, Ion chromatograph and Rheometer. Department has invested Rs. 50 lacs. for this laboratory and is mainly used by Final Year B.Tech. students, M. Tech. students and Research scholars for their research work. In addition, department shares all Chemical Engineering laboratories in cooperation with Chemical Engineering Department.

5. Computer Laboratory:

Department provides excellent computational facilities with the help of this laboratory. Laboratory has in all 15 computers with licensed software's available for use.

This laboratory is used for conducting practical of subjects like Numerical methods and computer programming and others.