

DEPARTMENT OF CHEMISTRY

INFRASTRUCTURE

Central Research Lab



Research Facilities:

Spectrophotometers:

- ▶ **Bio – Spectrophotometer –(BL – 198 with TE cooler (G1 635) with software)**



- ▶ **Visible(Systronics-Make) & U/V Spectrophotometer (Double Beam Thermo Make):** Spectrophotometers are useful in identification and determination of a sample. Many projects at degree, PG and research level can be performed with these instruments. Water and soil analysis can be performed.



- ▶ **HPLC: Agilent make with auto sampler, VVD, RID & FLD HPLC,** is a chromatographic technique to separate a mixture of compounds and identify the quantities of each constituent to a high degree of accuracy. It is used in biochemistry and analytical chemistry to identify, quantify and purify the individual components of the mixture.



- ▶ **HPLC Water Plant(thermo Make 4L/Hr):** water purification systems designed to produce the optimum water quality to support critical analytical application needs. From university research and clinical labs to biopharmaceutical research and pharmaceutical laboratories, systems are available producing from a few liters up to several thousand liters per day of pure and ultrapure water.



- ▶ **SPECTROQUANT (Merck make):** It is a visible computerized spectrophotometer essential for water, soil & food analysis. Spectroquant is highly reliable and latest developed instrument. It is also used for estimation of solutes in solvents. Hence it is highly useful in project and research works.



- ▶ **ELECTRICAL BALANCE RESEARCH GRADE Shimadzu make**



► **LABORATORY CENTRIFUGE WITH AUTO TIMER** Remi make



► **Auto Universal Titrator:** Auto universal titrator is highly precisioned instrument and is very usefull in conductometri, Potentiometric titrations , project work and research work where accuracy of results are needed.

