

# SANT LONGOWAL INSTITUTE OF ENGINEERING & TECHNOLOGY

[Deemed University]  
(Established by Govt. of India)

## (Department of Chemistry)

### Subject:- List of equipments in Chemistry Department.

| Sr No | Equipment Name/Model                                | Maker             |
|-------|-----------------------------------------------------|-------------------|
| 1.    | C,H,N Element Analyzer (EURO EA3000)                | Euro Vector       |
| 2.    | Polarimeter (MCP 500)                               | Anton Paar        |
| 3.    | GCMS (QP 2010 ULTRA)                                | Shimadzu          |
| 4.    | HPLC (High Performance Liquid Chromatography)       | Waters            |
| 5.    | Refrigerated centrifuge 5810R                       | Eppendorf         |
| 6.    | Millipore Basic filtration Kit                      | Millipore         |
| 7.    | Fluorescence Spectrophotometer LS 55                | Perkin Elmer      |
| 8.    | Fluorescence Spectrophotometer RF-5301PC            | SHIMADZU          |
| 9.    | Nitrogen gas generator/NAG-01A                      | PCI Analytics     |
| 10.   | Rotary Evaporator IKA RV10                          | Cole Parmar       |
| 11.   | Microwave synthesizer /MONOWAVE 300                 | Anton Paar        |
| 12.   | Incubator Shaker Innova-42                          | Innova            |
| 13.   | FTIR Cary 660                                       | Agilent           |
| 14.   | Ultrasonic Bath                                     | Cole parmar       |
| 15.   | Ultra violet-Visible spectrophotometer Agilent 8453 | Agilent           |
| 16.   | Ultra violet-Visible spectrophotometer UV-1800      | SHIMADZU          |
| 17.   | ION Chromatogram 761 compact IC                     | Metrohm           |
| 18.   | Automatic Potentiometric Titrator AT-510            | KEM               |
| 19.   | Millipore water Purification System/DIRECT -Q3      | Milipore          |
| 20.   | Tensiometer/KRUSS EASY DYNE                         | KRUSS             |
| 21.   | BET Surface Area Analyser                           | Anton Paar        |
| 22.   | Planetary Ball Mill                                 | AMAZE Instruments |

### **Software**

|   |                                               |
|---|-----------------------------------------------|
| 1 | Gaussian 09 software single32 bit single user |
| 2 | Gaussian view 5 single user Academic license  |
| 3 | Spartan                                       |