**\* Science and Humanities Lab**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sr. No. | Name | Department Room Number | Area in Feets | Area in Sq. Meter |
| 1 | Physics Laboratory | ET  SH - 08 | 32 x 32=1024 Sq. Feet | 9.8m x 9.8m=96.04 Sq. Meter |
| 2 | Chemistry Laboratory | ET  SH - 09 | 32 x 32=1024 Sq. Feet | 9.8m x 9.8m=96.04 Sq. Meter |

**Lab No.01 Physics Lab**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Sr. No. | Name of the Laboratory | No. of students per setup (Batch Size) | Name of the Important equipment (costing more than Rs.30,000/-)  (Cost >10000/-) | Weekly utilization status (all the courses for which the lab is utilized) | Technical Manpower support | | |
| Name of the technical staff | Designation | Qualification |
| 01 | Physics Lab | 20 | Bunsen Spot Photometer with 4 Luminous bodies of different luminosity with stand | 22 Hours | Mrs. V. G. Lagdive | Lab Asistant |  |
| Platinum Resistance thermometer carrying glass tube |
| Plank’s constant Apparatus |
| Auto range Digital Multimeter |
| LASER Beam Apparatus to measure the LASER Beam Divergence |
| Multi out put Power Supply |
| PN Junction Diode Kit |
| Stoke’s Method Apparatus |
| Digital Autorange Multimeter |
| Digital Multimeter |
| Stop Watch |
| Apparatus to verify total internal Rebel Phenomenon for given glass slab to calculate critical angle of incidence |
| To determine effective capacitance of series combination of capacitors by calculating its reactance |
| To determine effective capacitance of parallel combination |
| To verify ampere's rule using oersted's experiment |
| To determine forbidden energy gap in a semiconductor diode apparatus . |
| Mechanical Stop Clock |
| Gap Apparatus |
| Joul’s Calorimeter |
| Platinum Resistance |
| PN Junction Diode Characteristics |
| Intensity of sound measurement. |
| Divergence of LAZER Beam |
| Viscosity Measurement Apparatus |

**Lab No. 02 Chemistry Lab**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Sr. No. | Name of the Laboratory | No. of students per setup (Batch Size) | Name of the Important equipment (costing more than Rs.30,000/-)  (Cost >10000/-) | Weekly utilization status (all the courses for which the lab is utilized) | Technical Manpower support | | |
| Name of the technical staff | Designation | Qualification |
| 01 | Chemistry Lab | 20 | Digital PH meter | 22 Hours | Mrs. V. G. Lagdive | Lab Assistant |  |
| OHP Portable & Foldable Lamp |
| Electronic Balance |
| Digital PH Meter with PH Electrode |
| Digital Conductivity meter with conductivity Cell |
| Electronic Weighing Balance 200gm Capacity Accuracy 10ng |