

SDM College of Engineering & Technology, Dharwad - 580002
Department of Chemistry

1. Laboratory & workshop

➤ **List of Major Equipment/Facilities in each Laboratory/Workshop**

| Sl. No. | Name of Laboratory | Carpet Area (Sq. mt) | Major equipments available | Total Investment till Date |
|---------|--------------------|----------------------|----------------------------|----------------------------|
| 1 | General Chemistry | 192.56 | Mentioned below | 27,00,000/- |
| 2 | R & D | 24.48 | | |

➤ **Major equipments available**

| Sl. No. | Laboratory | Instruments / Equipment | Units |
|---------|------------------------------|-------------------------|-------|
| 1. | General Chemistry Laboratory | Demineraliser | 01 |
| | | Vacuum pump | 01 |
| | | Electronic balance | 02 |
| | | Hot air oven | 01 |
| | | Hot plate | 02 |
| | | Steam bath | 01 |
| 2. | Instrumental Laboratory | Conductivity meter | 05 |
| | | pH-meter | 05 |
| | | Potentiometer | 04 |
| | | Colorimeter | 06 |

| | | | |
|------------------------------------|------------------|---|----|
| 3. | R & D Laboratory | Digital Abbe Refractometer; Make: Atago, Japan (Model - DR-A1) | 01 |
| | | Electronic Analytical Balance Make: Sartorius, Germany (Model – BP 211 D) | 01 |
| | | Constant Temperature Water Bath Make: RAAGA, Madras | 01 |
| | | Vacuum Pump Make: Toshniwal, Madras | 01 |
| | | Nitrogen container Make: IBP, Nasik | 01 |
| | | Voltage stabilizer Make: KRYKARD, Madras | 01 |
| | | Incubator | 01 |
| | | UV Chamber Make: Ma Optics Technology, Delhi | 01 |
| | | Spin Coater Make: Spektron Instruments Inc. Chennai. | 01 |
| | | Electrochemical workstation | 01 |
| Spectro-electrochemical photometer | 01 | | |



2. Computing Facilities

: NIL

6. List of research projects/consultancy work

| Sl. No. | Principal Co-ordinator | Project Title | Year of Grant | Funding Agency | Project Amount | Project duration | Status |
|----------------|-------------------------------|--|----------------------|-----------------------|-----------------------|-------------------------|---------------|
| 1 | Dr. A.A. Kittur | Electrochemical Energy storage with modified Graphene Oxide-conducting Polymer Hybrids | 2015 | VGST Project | 20 lakhs. | 2 years | complete d |
| 2 | Dr. Shafi A. Phaniband | Nanofiltration Process to Remove dye from Textile Effluents in Prevention of Environmental Pollution | 2019 | VGST Project | 05 lakhs. | 2 years | sanctione d |

7. Ph.D Thesis – One copy of thesis submitted by scholars of our research centers in our college library (intimate the same to Dean Admin)