

Infrastructure and Facilities

- The department is well equipped with 3 laboratories for intermediate and degree students.
Lab I- Introductory Lab
Lab II-Medical Microbiology Lab
Lab III-Applied Microbiology Lab
- Labs have excellent facility with equipment's, instruments like Laminar air flow, Hot air oven, Autoclave, Refrigerators, Binocular microscopes, UV chamber, BOD, Electrophoresis unit, pH meter etc.
- Students are given more knowledge with ICT enabled classrooms in room no's 5, 6, 7.
- Our department is well equipped with computer.
- Students can go through various topics and gain knowledge by the help of departmental library in which 205 books are present & main library which maintains 425 books
- Highly qualified and experienced faculty.

Students are provided with protocols to perform experiments at different levels such as

- Isolation, identification, cultivation and preservation of bacterial pure cultures by different microbial techniques, specimen collection, Blood sample collection, Different Diagnostic test and Biochemical test.
- Different diseases – clinical identification of cultures, infections caused treatment of Bacteria, viruses, parasites and fungi etc.
- Isolation and identification of bacteria and fungi from spoiled fruits and vegetables.
- Coliform test (Multiple Tube Method).
- MBRT (Methylene Blue Dye Reduction Test) for Assessing the Raw milk Quality.
- Haematology- Blood and its composition, collection sites, Anticoagulants, Hb estimation, total leucocytes count, RBC(Red blood cells), WBC(White blood cells), ESR (Erythrocyte sedimentation rate), Haemoglobin estimation and Blood grouping.
- Antibiotic sensitivity test.
- Industrial production of different products like citric acid, Alcohol, Beer and Antibiotics etc.



MICROSCOPIC EXAMINATION OF MICROBIAL SLIDES BY STUDENTS



STUDENTS PERFORMING HAEMATOLOGY PRACTICALS

Infrastructure details:

Lab I Introductory Lab



Lab II Medical Microbiology Lab



Lab III Applied Microbiology Lab



LIST OF EQUIPMENT

S. No	Name of the equipment
1	Auto clave
2	Distillation unit
3	Analytical weigh box
4	Autoclave pressure gauge
5	Bacteriological loops
6	Centrifuge
7	ESR stands
8	Fractional weigh box
9	Haemometer
10	Haemocytometer
11	Incubator
12	Laminar air flow
13	Microscopes
14	Monopan balance
15	Hot air oven
16	Photoelectric colorimeter
17	Pipette cans
18	Refrigerator
19	Rough balance
20	Test tubes holder
21	Test tube stand
22	Tripod stands
23	UV chamber

S. No	Name of the equipment
24	BOD incubator
25	Colony counter
26	PH Meter

Instruments in Microbiology lab



INCUBATOR



AUTOCLAVE



DISTILLATION UNIT



WATER BATH



UVCHAMBER AND LAMINAR AIRFLOW



HOT AIR OVEN



CENTRIFUGE



BOD INCUBATOR