

## **BBL132 – General Microbiology (Sem I)**

### **List of practicals**

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|----------|---|
| Expt 1.  | To learn the principles of the microscope   |
| Expt 2.  | To prepare bacterial culture media for growth   |
| Expt 3.  | To study morphology of bacterial organisms by simple staining and to perform Gram staining of the given bacterial cultures. |
| Expt 4.  | To determine total microbial population count by Neubauer's Slide method (Direct microscopic count)                         |
| Expt 5.  | To study bacterial spores by staining methods.  |
| Expt. 6  | To determine bacterial growth curve and to perform dilution plating experiments for enumeration.                            |
| Expt. 7  | To study the influence of different environmental factors (pH and temperature) on microbial growth.                         |
| Expt. 8  | To study the anti-microbial sensitivity of antibiotics.   |
| Expt. 9  | Biochemical Tests for identification of microorganisms.   |
| Expt. 10 | To study the effect of Ultraviolet radiation on bacterial growth.   |
| Expt. 11 | To screen colonies obtained through UV mutagenesis for presence of lactose non-utilizing mutants.                           |
| Expt 12  | To study the morphotypic diversity in environmental samples   |