

## PS02CMIC54: Laboratory I

### List of Practical Exercises:

1. Bacterial Conjugation.
2. Transformation
3. Transduction.
4. Phage titration.
5. Isolation of plasmid from bacterial cell
6. spore counting
7. Determination of Del factor
8. Determination of  $K_{La}$
9. Yeast growth curve
10. Reducing sugar estimation by Coles method
11. Cell Immobilization in Ca Alginate
12. Vital staining
13. Alcohol fermentation by free and immobilized *S. cerevisiae*