

DEPARTMENT OF MICROBIOLOGY

List of new practicals/demonstrations

Department	Year/ Class	New Practical's Introduced	New demonstrations introduced
Microbiology	I Year	Algal wet mount-filamentous and colonial forms. Examination of Hay infusion broth under light microscope for protozoa.	-
	II Year	SDS PAGE	-
	III Year	Competent cell production and transformation of competent cell. Cultivation of Azolla	-
	III Year	Lab in Bioinformatics 1. Visit NCBI, Explore and List out the salient features. 2. Visit EMBL, Explore and List out the salient features. 3. Visit DDBJ, Explore and List out the salient features. 4. Retrieve protein sequence for tyrosinase and find out if this protein is present in <i>Agaricus bisporus</i> using BLAST P and 'limit by entrez' query option 5. Similarity search- Get any two sequence in FASTA format 6. Use ORF finder of NCBI to predict all possible ORF in a DNA sequence 7. Use MOTIF search and PROTPARM tools	-