

M. Tech. Biotechnology Course Curriculum (modified 2018 & 2019)

1st SEMESTER

Sr. No.	Code	Subject	L-T-P	Credits
1		Advances in Molecular Cell Biology	3-0-0	3
2		Advances in Molecular Cell Biology Lab	0-0-2	1
3		Research Methodology and Ethics	3-0-0	3
4		Patenting in Biotechnology	3-0-0	3
5		Advanced Bioinformatics	3-0-0	3
6		Advanced Bioinformatics Lab	0-0-2	1
7		High Throughput Technologies	3-0-0	3
8	Elective	DE-1	3-0-0	3
9	Elective	DE-II	3-0-0	3
		Total	25	23

2nd SEMESTER

Sr. No.	Code	Subject	L-T-P	Credits
1		Industrial Biotechnology	3-0-0	3
2		Industrial Biotechnology Lab	0-0-2	1
3		Immunotechnology	3-0-0	3
4		Immunotechnology Lab	0-0-2	1
5		Bioenterpreunership Management	2-0-0	2
6		Functional Genomics	3-0-0	3
7		Functional Genomics Lab	0-0-2	1
8		Metabolic Engineering	3-0-0	3
9	Elective	DE-III	3-0-0	3
10	Elective	DE-IV	3-0-0	3
		Total	26	23

3rd SEMESTER

Sr. No.	Code	Subject	L-T-P	Credits
1.		Seminar	0-0-4	2
4.		Project- Thesis Part I		12
		Total	04	14

4th SEMESTER

Sr. No.	Code	Subject	L-T-P	Credits
1.		Seminar	0-0-4	2
3.		Project- Thesis Part II		14
		Total	04	16

Total Credit Hours: 76

M. Tech. Biotechnology Electives courses;

	Code	Credits	Electives in Odd Semester
1		03	Food Processing & Engineering
2			Plant Tissue Culture Technologies
3		03	Advances in Computational System Biology
4		03	Microbial Ecology

	Code	Credits	Electives in Even semester
1		03	Vaccine Production
2		03	QC Analysis and Management
3		03	Clinical Diagnostics
4.		03	Plant Biotechnology
5.		03	Advances in Gene manipulations