

Semester 1									
Sl. No	Course Code	Name of the Course					Assessment Pattern		
			L	T	P	C	IA	MTE	ETE
1	MBBIBT1001	Research Methodology and Biostatistics	4	0	0	4	20	30	50
2	MBBIBT1002	Basic industrial biotechnology	3	0	0	3	20	30	50
3	MBBIBT1003	Bioethics and biosafety	3	0	0	3	20	30	50
4	MBBIBT1004	Immunology	3	0	0	3	20	30	50
5	MBBIBT1005	Biochemistry and metabolic regulation	3	0	0	3	20	30	50
6	MBBIBT1006	Molecular and Genetic Engineering	3	0	0	3	20	30	50
7	MBSUCT1001	Laboratory Operation Techniques	2	0	0	0			
		Total	21	0	0	19			
Semester II									
Sl. No	Course Code	Name of the Course					Assessment Pattern		
			L	T	P	C	IA	MTE	ETE
1	MBBIBT2001	Analytical Techniques	3	0	0	3	20	30	50
2	MBBIBT2002	Food Biotechnology	3	0	0	3	20	30	50
3	MBBIBT2003	Enzyme technology and biotransformation	3	0	0	3	20	30	50
4	MBBIBT2004	Microbial Technology	3	0	0	3	20	30	50
5	MBBIBT2005	Industrial Bioprocess technology	3	0	0	3	20	30	50

6		Elective I	3	0	0	3	20	30	50
7	MBBIBP2051	Industrial Biotechnology Lab I	0	0	2	2	20	30	50
8	MBBIBT2006	Animal Biotechnology	3	0	0	3	20	30	50
9	C1PC201T	Computational and Graphical Tools	2	0	0	0			
Total			23	0	2	23			
Semester III									
Sl No	Course Code	Name of the Course					Assessment Pattern		
			L	T	P	C	IA	MTE	ETE
1	MBBIBT3001	Drug Discovery and Development	3	0	0	3	20	30	50
2	MBBIBT3002	Agriculture Biotechnology	3	0	0	3	20	30	50
3	MBBIBT3003	Nanobiotechnology and Biosensors	4	0	0	4	20	30	50
4	MBBIBT3004	Biomaterials & Tissue Engineering	3	0	0	3	20	30	50
5	MBBIBT3005	Bio separation and Downstream process	3	0	0	3	20	30	50
6	MBBIBT3006	Fundamentals of Bioinformatics	3	0	0	3	20	30	50
7		Elective II	3	0	0	3	20	30	50
8	MBBIBP3051	Industrial Biotechnology Lab II	0	0	1	1	50		50
9	MBBIBT3007	Environmental Biotechnology	3	0	0	3	20	30	50

10		Start up, Innovation, Incubation and Entrepreneurship	2	0	0	0			
		Total	27	0	1	26			

Semester IV

SI No	Course Code	Name of the Course					Assessment Pattern		
			L	T	P	C	IA	MTE	ETE
1	MBBIBP4051	Project Work	0	0	12	12	50	--	50
		Academic Report writing and Funding Opportunities	2	0	0	0			
		Total	2	0	12	12			

List of Electives

Elective-1

SI No	Course Code	Name of the Electives					Assessment Pattern		
			L	T	P	C	IA	MTE	ETE
1	MBBIBT2007	Fundamental of clinical research	3	0	0	3	20	30	50
2	MBBIBT2008	Medical Physiology	3	0	0	3	20	30	50
3	MBBIBT2009	Genomics and proteomics	3	0	0	3	20	30	50

Elective-2

SI No	Course Code	Name of the Elective					Assessment Pattern		
			L	T	P	C	IA	MTE	ETE

1	MBBIBT3008	Regulatory affairs and Ethics in Clinical Research	3	0	0	3	20	30	50
2	MBBIBT3009	Designing Clinical Trials	3	0	0	3	20	30	50
3	MBBIBT3010	Pharmacology	3	0	0	3	20	30	50