

DELHI TECHNOLOGICAL UNIVERSITY
SCHEME OF TEACHING AND EVALUATION
MASTER OF TECHNOLOGY IN INDUSTRIAL BIOTECHNOLOGY(IBT)

The following alphanumeric coding scheme has been adopted

Core Courses XXXYMN

Elective Courses XXXYCMN

XXX abbreviates a particular M. Tech. program, Y – (5 for M. Tech. 1 st year, 6 for M. Tech. 2 nd year),

C – credit of the course (4/3/2),

MN – Subject code (Odd number for odd semester and even number for even semester courses)

Semester-I														
	S. No.	Course Code	Course Name	Type/ Area	Cr	L	T	P	CWS	PRS	MTE	ETE	PRE	Total Credits
Group A	1	IBT501	Bioenergy	Core	4	3	0	2	15	25	20	40	-	17
	2	IBT503	Industrial Plant Biotechnology	Core	4	3	0	2	15	25	20	40	-	
Group B	3	IBT5401/5403/.....	Elective 1	Elective	4	3/4	0	2/0	15/ 20	25 /0	20/30	40/50	-	
	4	IBT5301/5303/.....	Elective 2	Elective	3	3	0	0	20	-	30	50	-	
	5	IBT5201/5203/..... /UEC5201/5203/.....	Elective 3/ University Elective I	Elective	2	2	0	0	20	-	30	50	-	
Semester-II														
	S. No.	Course Code	Course Name	Type/ Area	Cr	L	T	P	CWS	PRS	MTE	ETE	PRE	Total Credits
Group C	1	IBT502	Functional Genomics and Proteomics	Core	4	4	0	0	20	0	30	50	-	17
	2	IBT504	Bioprocess Engineering and Reactor Design	Core	4	3	0	2	15	25	20	40	-	

Group D	3	IBT5402/5404/.....	Elective 4	Elective	4	3/4	0	2/0	15/20	25/0	20/30	40/50	-
	4	IBT5302/5304/.....	Elective 5	Elective	3	3	0	0	20	-	30	50	-
	5	IBT5202/5204/...../ UEC5202/5204/.....	Elective 6/ University Elective II	Elective	2	2	0	0	20	-	30	50	-

Semester-III

	S.No.	Course Code	Course Name	Type/Area	Cr	L	T	P	CWS	PRS	MTE	ETE	PRE	Total Credits	
Track 1														12	
Group E	1	IBT651	Research Project	Core	¹ / ₂	0		12	0	-	0	100	0		
	Track 2														
	1	IBT601	Major Project I	Core	3						40	60			
	2	IBT6401/6403/.....	Elective 7	Elective	4	3/4	0	2/0	15/20	25/0	20/30	40/50	-		
	3	IBT6301/6303/.....	Elective 8	Elective	3	3	0	0	20	-	30	50	-		
4	IBT6201/6203/.....	Elective 9	Elective	2	2	0	0	20	-	30	50	-			

Semester-IV

	S.No.	Course Code	Course Name	Type/Area	Cr	L	T	P	CWS	PRS	MTE	ETE	PRE	Total Credits
Group F	Track 1													
	1	IBT652	Research Project	Core	¹ / ₂	0		12	0	-	0	100	0	12
	Track 2													
	1	IBT602	Major Project II	Major Project II	Core	¹ / ₂	0		12	0	-	0	100	0

LIST OF ELECTIVES :													
	S.No.	Course Code	Course Name	Type/Area	Cr	L	T	P	CWS	PRS	MTE	ETE	PRE
Elective 1	1	IBT5401	Bioinstrumentation	Elective	4	3	0	2	15	25	20	40	-
	2	IBT5403	Bioseparation Technology		4	4	0	0	20	-	30	50	-
	3	IBT5405	Nutraceuticals and Functional Foods		4	4	0	0	20	-	30	50	-
	4	IBT5407	Recombinant DNA Technology		4	4	0	0	20	-	30	50	-
	S.No.	Course Code	Course Name	Type/Area	Cr	L	T	P	CWS	PRS	MTE	ETE	PRE
Elective 2	1	IBT5301	Industrial Microbiology and Fermentation Technology	Elective	3	3	0	0	20	-	30	50	-
	2	IBT5303	Food Engineering & Biotechnology		3	3	0	0	20	-	30	50	-
	3	IBT5305	Green Energy		3	3	0	0	20	-	30	50	-
	4	IBT5307	Medical Biotechnology and Health Care		3	3	0	0	20	-	30	50	-
	S.No.	Course Code	Course Name	Type/Area	Cr	L	T	P	CWS	PRS	MTE	ETE	PRE
Elective 3	1	IBT5201	Open Area Seminar	Elective	2	2	0	0	20	-	30	50	-
	2	IBT5203	Algal Biotechnology		2	2	0	0	20	-	30	50	-
	3	IBT5205	Applied Molecular biology and Genetic Engineering		2	2	0	0	20	-	30	50	-

	4	IBT5207	Nutritional Biochemistry		2	0	0	2	-	100	-	-	2
	S.No.	Course Code	Course Name	Type/Area	Cr	L	T	P	CWS	PRS	MTE	ETE	PRE
Elective 4	1	IBT5402	Advanced Environmental Biotechnology	Elective	4	3	0	2	15	25	20	40	-
	2	IBT5404	Biopolymer Technology		4	4	0	0	20	-	30	50	-
	3	IBT5406	Quality Management		4	4	0	0	20	-	30	50	-
	4	IBT5408	Plant Molecular Farming		4	4	0	0	20	-	30	50	-
	S.No.	Course Code	Course Name	Type/Area	Cr	L	T	P	CWS	PRS	MTE	ETE	PRE
Elective 5	1	IBT5302	Minor Project	Elective	3	3	0	0	20	-	30	50	-
	2	IBT5304	Biochemical Thermodynamics		3	3	0	0	20	-	30	50	-
	3	IBT5306	Transport Phenomenon		3	3	0	0	20	-	30	50	-
	4	IBT5308	Biopharmaceuticals		3	0	0	-	-	40	-	-	60
	S.No.	Course Code	Course Name	Type/Area	Cr	L	T	P	CWS	PRS	MTE	ETE	PRE
Elective 6	1	IBT5202	Nanobiotechnology	Elective	2	2	0	0	20	-	30	50	-
	2	IBT5204	Biosensor Technology		2	2	0	0	20	-	30	50	-
	3	IBT5206	Advanced Computational Genomics		2	2	0	0	20	-	30	50	-

