

HERITAGE INSTITUTE OF TECHNOLOGY
TIME TABLE
< DEPARTMENT OF BIOTECHNOLOGY >

B.Tech. 2nd Year 1st Semester

SESSION: 2023-24

DAY	Group	9.00 AM – 9.55 AM	9.55 AM – 10.50 AM	10.50 AM – 11.45 AM	11.45 AM – 12.25 PM	12.25 PM – 1.20 PM	1.20 PM – 2.15 PM	2.15 PM – 3.10 PM	3.10 PM – 4.05 PM	4.05 PM – 5.00 PM	5.00 PM – 5.55 PM
MON	GR 1	L/BIOT2104 RC CB402	L/MATH2101 RB CB402	L/HMTS2001 MDC CB402	B	LAB/BIOT2154RC (SS) CB306				REMEDIAL CB401	LIBRARY
	GR 2					LAB/BIOT2154/KM (CD) CB308					
TUE	GR 1	LAB/BIOT2151/SHD (MS) CB415			R	L/BIOT2102 SDE CB402	L/BIOT2101 SB CB402	L/EVSC2016 ED CB402	L/BIOT2103 KM CB402	R/BIOT2104 RC CB402	LIBRARY
	GR 2	LAB/BIOT2153/PC (AM) CB413									
WED	GR 1	L/BIOT2103 PC CB402	L/BIOT2101 NKJ CB402	L/MATH2101 RB CB402	E	L/BIOT2101 SB CB401	L/BIOT2104 RC CB401	LIBRARY		MENTORING CB401	
	GR 2										
THU	GR 1	LAB/BIOT2153/RG (MS) CB413			A	L/BIOT2102 BC CB402	L/HMTS2001 MDC CB402	L/EVSC2016 AA CB402	R/MATH2101 MP CB402	R/BIOT2102 SDE CB402	LIBRARY
	GR 2	LAB/BIOT2151/SHD (SM) CB415									
FRI	GR 1	L/BIOT2104 SHD CB402	L/MATH2101 SB CB402	L/BIOT2102 BC CB402	K	L/BIOT2103 KM CB401	LIBRARY	R/BIOT2101 NKJ CB402	L/HMTS2001 MDC CB402	R/BIOT2103 PC CB402	LIBRARY
	GR 2										

To be Effective from 17th July, 2023

A minimum of 75% attendance is mandatory for being eligible to sit for the End Semester Examination.

Students should target 100% attendance

Khana
Member

Prabante Bane
HOD

[Signature]
Principal

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B.Tech. 2nd Year 1st Semester


SESSION: 2023-24


Faculty Details:			TA Details:		
INITIALS	FULLNAME	DEPT	INITIALS	FULLNAME	DEPT
SB	Prof. (Dr.) Srabanti Basu	BT	AM	Dr. Abhisek Mukherjee	BT
NKJ	Prof. (Dr.) Nandan Kumar Jana	BT	CD	Mrs. Chandralekha Dasgupta	BT
RG	Prof.(Dr.) Riddhi Goswami	BT	MS	Mrs. Munmun Sen	BT
SDE	Prof. (Dr.) Sudipta Dey Bandyopadhyay	BT	SS	Dr. (Mrs.) Subhashree Sengupta	BT
KM	Prof. (Dr.) Kakali Mukherjee	BT	SM	Mrs. Sarmistha Mukherjee	BT
RC	Prof. (Dr.) Ruplekha Chatterjee	BT			
BC	Prof. (Dr.) Bhaswati Chakraborty	BT			
PC	Prof. Plaban Chowdhuri	BT			
SHD	Prof. Sonali Hazra Das	BT			
ED	Prof. (Dr.) Enakshi Dinda	CHEMISTRY			
AA	Prof..(Dr.) Anandalok Adhya	CHEMISTRY			
SB	Prof. (Dr.) Samarpita Bhattacharya	MATH			
MP	Prof. Moumita Pramanik	MATH			
RB	Prof. Ritwick Banerjee	MATH			
MDC	Prof. (Dr.) Madhumita Chanda	HUM			

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B.Tech. 2nd Year 1st Semester

SESSION: 2023-24

COURSE STRUCTURE:


A. THEORY								
SL No.	Course Code	Field	Course Title	Contact Hours/Week				Credit Points
				L	T	P	Total	
1	EVSC2016	Mandatory	Environmental Sciences	2	0	0	2	0
2	HMTS2001	Humanities	Human Values and Professional Ethics	3	0	0	3	3
3	BIOT2101	Basic Science	Chemistry of Biomolecules	3	0	0	3	3
4	BIOT2102	Prof. Core	Industrial Stoichiometry	3	0	0	3	3
5	BIOT2103	Prof. Core	Biochemistry	3	0	0	3	3
6	BIOT2104	Prof. Core	Microbiology	3	0	0	3	3
7	MATH2101	Basic Science	Mathematical & Statistical Methods	3	0	0	3	3
Total of Theory				20	0	0	20	18
B. PRACTICAL/ LABORATORY								
1	BIOT2151	Basic Science	Biomolecular Chemistry Lab	0	0	3	3	1.5
2	BIOT2153	Prof. Core	Biochemistry Lab	0	0	3	3	1.5
3	BIOT2154	Prof. Core	Microbiology Lab	0	0	4	4	2
Total of Practical				0	0	10	10	5
Total of Semester				20	0	10	30	23


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B. Tech 3rd Year 1st Semester

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MON	GR1	LAB/BIOT3154/BC (MR, SD, SBM) CB207		LIBRARY	B	L/BIOT3103 NKJ CB402	L/BIOT3102 DC CB402	L/BIOT3132/SHD CB310	L/INCO3016 SG CB402	R/BIOT3104 BC CB402	
	GR 2	LAB/BIOT3152/DC (MB) CB611						L/BIOT3133/SDE CB311			
TUE	GR1	L/BIOT3103 NKJ CB402	L/BIOT3101 RG CB402	L/BIOT3102 SMB CB402	R	LAB/BIOT3153/NKJ, PC (CB) CB407		LIBRARY		REMEDIAL CB401	
	GR 2					LAB/BIOT3151/RG, SMB (SM) CB408					
WED	GR1	LAB/BIOT3152/SMB (MB) CB611		LIBRARY	E	L/BIOT3101 SMB CB402	L/BIOT3104 SDE CB402	L/BIOT3131 KM CB402	L/BIOT31331/RC CB310	R/BIOT3102 DC CB402	
	GR 2	LAB/BIOT3154/SDE (SB, SBM, SD) CB207							L/BIOT3132/SDE CB402		
									L/BIOT3133/BC CB311		
THU	GR1	L/BIOT3104 SDE CB402	L/BIOT3103 KM CB402	L/BIOT3104 BC CB402	A	LAB/BIOT3151/RG, SMB (SM, DM) CB408		LIBRARY	MENTORING CB401	LIBRARY	
	GR 2					LAB/BIOT3153/NKJ, PC (CB) CB407					
FRI	GR1	LAB/BIOT3181/KM, RC (SS) CB307		LIBRARY	K	L/BIOT3101 RG CB402	L/BIOT3102 SMB CB402	L/BIOT31331/RC CB310	L/INCO3016 AS CB401	R/BIOT3103 KM CB401	
	GR 2	LAB/BIOT3182/ SB (AM/MS) CB415						L/BIOT3132/SHD CB311			
	GR	LAB/BIOT3183/ SDE, BC (CD) CB309						L/BIOT3133/SDE CB321			

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Akshana
Member

Srabante Basu
HOD

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Principal

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<DEPARTMENT OF BIOTECHNOLOGY >

B. Tech 3rd Year 1st Semester

SESSION: 2023-2024


Faculty Details:			TA Details:		
INITIALS	FULLNAME	DEPT	INITIALS	FULLNAME	DEPT
SB	Prof. (Dr.) Srabanti Basu	BT	CB	Mr. Chayan Banerjee	BT
DC	Prof. (Dr.) Dipankar Chowdhury	BT	AM	Dr. Abhisek Mukherjee	BT
NKJ	Prof. (Dr.) Nandan Kumar Jana	BT	MB	Mr. Mainak Bhattacharya	BT
RG	Prof.(Dr.) Riddhi Goswami	BT	CD	Mrs. Chandralekha Dasgupta	BT
SMB	Prof. (Dr.) Soma Banerjee	BT	MS	Mrs. Munmun Sen	BT
BC	Prof. (Dr.) Bhaswati Chakraborty	BT	SS	Dr. (Mrs.) Subhashree Sengupta	BT
SDE	Prof. (Dr.) Sudipta Dey Bandyopadhyay	BT	SM	Mrs. Sarmistha Mukherjee	BT
KM	Prof. (Dr.) Kakali Mukherjee	BT	DM	Mr. Dipankar Manna	BT
RC	Prof. (Dr.) Ruplekha Chatterjee	BT	MR	Mr. Manjur Rahman	CHE
SHD	Prof. Sonali Hazra Das	BT	SD	Mrs. Shyamashree Das	CHE
PC	Prof. Plaban Chowdhuri	BT	SBM	Mrs. Selina Begam	CHE
SG	Prof. Sanchita Gangopadhaya	HUM	SB	Ms. Saswati Bhattacharya	CHE
AS	Prof. Ayushi Singh	HUM			


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HERITAGE INSTITUTE OF TECHNOLOGY

TIME TABLE

<DEPARTMENT OF BIOTECHNOLOGY >

B. Tech 3rd Year 1st Semester

SESSION: 2023-2024

Course Structure:


A. THEORY								
Sl No	Course Code	Field	Course Title	Contact Hours/Week				Credit Points
				L	T	P	Total	
1	INCO3016	Mandatory	Indian Constitution and Civil Society	2	0	0	2	0
2	BIOT3101	Prof. Core	Genetics	3	0	0	3	3
3	BIOT3102	Prof. Core	Bioinformatics	3	0	0	3	3
4	BIOT3103	Prof. Core	Recombinant DNA Technology	3	0	0	3	3
5	BIOT3104	Prof. Core	Transfer Operation-II	3	0	0	3	3
6	BIOT3131	Prof. Elective 1	Food Biotechnology	3	0	0	3	3
	BIOT3132		Environmental Biotechnology					
	BIOT3133		Bioprocess & Process Instrumentation					
Total of Theory				17	0	0	17	15
B. PRACTICAL/ LABORATORY								
7	BIOT3151	Prof. Core	Genetics lab	0	0	2	2	1
8	BIOT3152	Prof. Core	Bioinformatics lab	0	0	2	2	1
9	BIOT3153	Prof. Core	Recombinant DNA Technology lab	0	0	2	2	1
10	BIOT3154	Prof. Core	Transfer Operation-II lab	0	0	2	2	1
11	BIOT3181	Prof. Elective 1	Food Biotechnology Lab	0	0	2	2	1
	BIOT3182		Environmental Biotechnology Lab					
	BIOT3183		Bioprocess & Process Instrumentation Lab					
Total of Practical				0	0	10	10	5
Total of Semester				17	0	10	27	20

To be Effective from 17th July, 2023

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HERITAGE INSTITUTE OF TECHNOLOGY
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B. Tech 4th Year 1st Semester

SESSION: 2023-24

DAY	Group	9.00 AM – 9.55 AM	9.55 AM – 10.50 AM	10.50 AM – 11.45 AM	11.45 AM – 12.25 PM	12.25 PM – 1.20 PM	1.20 PM – 2.15 PM	2.15 PM – 3.10 PM	3.10 PM – 4.05 PM	4.05 PM – 5.00 PM	5.00 PM – 5.55 PM
MON	GR 1	L/BIOT4131 SHD/CB321	L/BIOT4121 NKJ/CB401	L/BIOT4131 SDE/CB321	B	L/CHEN4126 Sec-B SWV CME317	L/CHEN4127 DS ICT204	L/HMTS4101 BS CB402	BIOT4195 (PROJECT) MB/AM CB611, CB415		
	GR 2	L/BIOT4132 KM/CB311 L/BIOT4135 TKG/CB401	L/BIOT4122 RG CB321	L/BIOT4132 RC/CB311 L/BIOT4135 NKJ/CB401							
TUE	GR 1	BIOT4195 (PROJECT)	L/HMTS4101 SS ICT105	BIOT4195 (PROJECT)	R	BIOT4195 (PROJECT) SS/CD/MB CB306, CB308, CB611		L/BIOT4131/SDE CB401	L/BIOT4121/DC CB401	MENTORING CB310, CB311	
	GR 2							L/BIOT4132/RC CB311	L/BIOT4122/SMB CB311		
WED	GR 1	BIOT4195 (PROJECT) CB/AM/SS/MS CB406, CB415, CB306, CB413		L/BIOT4135 NKJ CB311	A	L/CHEN4126 Sec-B SWV CME317	L/CHEN4127 SC ICT204	L/BIOT4121/DC CB310	BIOT4195 (PROJECT) DM/ CB408	LIBRARY	
	GR 2							L/BIOT4122/RG CB311			
THU	GR 1	BIOT4195 (PROJECT) CB/SS/MB CB406, CB415, CB306, CB413		LIBRARY		BIOT4195 (PROJECT)	R/BIOT4131 SHD/CB310	BIOT4195 (PROJECT) CB/ MB /SM CB406, CB611, CB408		LIBRARY	
	GR 2						R/BIOT4132 KM/CB311				
FRI	GR 1	BIOT4195 (PROJECT) CB/SM/MB CB406, CB408, CB611	R/BIOT4121 NKJ CB310	R/BIOT4135 NKJ CB310	K	L/CHEN4126 Sec-B SWV CME317	L/CHEN4127 SC CB321	L/HMTS4101 BS ICT105	R/BIOT4122 SMB CB310	REMEDIAL CB310, CB311	LIBRARY
	GR 2										

To be Effective from 17th July, 2023

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Students should target 100% attendance

Kyana
Member

Srabanti Bera
HOD

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B. Tech 4th Year 1st Semester

SESSION: 2023-24


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INITIALS	FULLNAME	DEPT	INITIALS	FULLNAME	DEPT
DC	Prof. (Dr.) Dipankar Chaudhuri	BT	CB	Mr. Chayan Banerjee	BT
TKG	Prof. (Dr.) Tapan Kumar Ghosh	BT	AM	Dr. Abhisek Mukherjee	BT
NKJ	Prof. (Dr.) Nandan Kumar Jana	BT	SS	Dr. (Mrs.) Subhashree Sengupta	BT
RG	Prof. (Dr.) Riddhi Goswami	BT	CD	Mrs. Chandralekha Dasgupta	BT
SMB	Prof. (Dr.) Soma Banerjee	BT	SM	Mrs. Sarmistha Mukherjee	BT
SDE	Prof. (Dr.) Sudipta Dey Bandyopadhyay	BT	DM	Mr. Dipankar Manna	BT
KM	Prof. (Dr.) Kakali Mukherjee	BT	MS	Mrs. Munmun Sen	BT
RC	Prof. (Dr.) Ruplekha Chatterjee	BT	MB	Mr. Mainak Bhattacharya	BT
SHD	Prof. Sonali Hazra Das	BT			
SWV	Prof. (Dr.) Swami Vedajananda	CHE			
SC	Prof. (Dr.) Sulagna Chattejee	CHE			
SB	Prof. (Dr.) Sangita Bhattacharya	CHE			
DS	Prof. (Dr.) Dwaipayan Sen	CHE			
SS	Prof. Saibal Sen	HUM			
BS	Prof. Bandana Sinha	HUM			


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A. THEORY								
Sl No	Course Code	Field	Course Title	Contact Hours/Week				Credit Points
				L	T	P	Total	
1	HMTS4101	Humanities	Principles of Management	3	0	0	3	3
2	BIOT4131	Prof. Elective 3	Biomaterials	3	0	0	3	3
	BIOT4132		Biofertilizers and Biopesticides					
	BIOT4133		Post-harvest Technology					
	BIOT4134		Biometallurgy					
	BIOT4135		Animal Cell Culture & Animal biotechnology					
3	BIOT4121	Emerging Area / Open Elective 2	Proteomics and Protein Engineering	3	0	0	3	3
	BIOT4122		Human Genomics					
	BIOT4123		Biomedical Engineering					
4	CHEN4126	Open Elective 3	Industrial Total quality Management	3	0	0	3	3
	CHEN4127		Soft Methods in Micro Structure Fabrication	3	0	0	3	3
Total of Theory				12	0	0	12	12
B. SESSIONAL								
1	BIOT4191	Internship	Industrial Training / Internship	4 to 6 weeks				2
2	BIOT4195	Project	Project 1	0	0	8	8	4
Total of Sessional				0	0	8	8	6
Total of Semester without Honours				12	0	8	20	18
C. HONOURS								
To be taken from MOOCS platforms (Swayam, NPTEL, Coursera, etc.)								4
Total of Semester with Honours								22


Training in a suitable industry, R&D Organization, Reputed Laboratory or Research Institute, for 4 to 6 weeks to be arranged during summer vacation.

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