M. Tech. 1st Year 1st Semester SESSION: 2021 - 2022

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	Grl	Remedial	AEIE5141 MC	AEIE5101 SG							
	Gr2	Romodial	ICT110	ICT110							
TUE	Grl Remedial	Remedial	AEIE5102 DC	AEIE5102 DC		AEIE5103 SMC	AEIE5133 DMG	AEIE5133 DMG			
TOE	Gr2	Kemediai	ICT110	ICT110	BREAK	ICT110	ICT110	ICT110			
	Grl	Remedial	AEIE5101 AEIE5141 SG MC ICT110 ICT110								
WED	Gr2										
THU	Grl	Remedial	AEIE5101 SG	AEIE5102 DC		AEIE5133 DMG	AEIE5103 SMC				
	Gr2	2	ICT110	ICT110		ICT110	ICT110				
FRI	Grl	Remedial		R		AEIE5141 MC					
110	Gr2		ICT613			ICT110					

To be Effective from 3rd January 2022

A minimum of 75% attendance is mandatory for being eligible to sit for the End-Semester Examination. Students should target 100% attendance

Member HOD Principal

M. Tech. 1st Year 1st Semester SESSION: 2021-2022

INITIAL	FULLNAME	DEPARTMENT
MC	Dr. Madhurima Chattopadhyay	
SG	Dr. Santanu Ghorai	
DMG	Damayanti Ghosh	Applied Electronics &
DC	Debjyoti Chowdhury	Instrumentation Engineering
SJD	Sujoy Kr. Das	
SMP	Sampa Maity (Paul)	
SR	Dr. Siuli Roy	Information Technology

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SESSION: 2021-2022

M. Tech. 1st Year 1st Semester

Course Structure

1st Year 1st Semester Syllabus:

Course	Course	Course Name	C		ct Hr Veek	s Per	Credit
Туре	Code		L	T	P	Total	Points
Core 1	AEIE5101	Advanced Digital Signals and Systems	3	0	0	3	3
Core 2	AEIE5102	Programming Language for Embedded IOT Systems	3	0	0	3	3
	AEIE5103	Research Methodology and IPR	2	0	0	2	2
Prog. Specific Elective	AEIE5131/ AEIE5132/ AEIE5133	Elective-I (1) Micro-Electronic Devices and Circuits (2) Medical Instrumentation (3) Instrumentation and Industrial Automation	3	0	0	3	3
Prog. Specific Elective	AEIE5141/ AEIE5142/ AEIE5143	Elective-II (1) Mechatronics (2) Advanced Digital Control System (3) Advanced Optical Instrumentation	3	0	0	3	3
T 4 D	AEIE5151	Digital Signal Processing LAB	0	0	4	4	2
LAB	AEIE5152	Programming Language LAB	0	0	4	4	2
Aud 1*-	DIMA5116	Disaster Management					
Any one	INCO5117	Constitution of India					
subject from the	PDLS5118	Personality Development through Life Enlightenment Skills	2	0	0	2	0
course list	YOGA5119	Stress Management by Yoga					
course ust	SANS5120	Sanskrit for Technical Knowledge					
		Total	16	0	8	24	18

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TIME TABLE

DEPARTMENT OF APPLIED ELECTRONICS & INSTRUMENTATION ENGINEERING

SESSION: 2021-2022

M. Tech. 2nd Year 1st Semester

DAY	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					L/ AEIE6121 SJB/ICT110	L/ AEIE6134/ SG/ICT110				
TUE				A K						
WED				R E	L/ AEIE6134/ SG/ICT110		E6121 CT110			
THU				В						
FRI										

To be Effective from 3^{rd} January 2022 A minimum of 75% attendance is mandatory for being eligible to sit for the End-Semester Examination. Students should target 100% attendance

Member HOD Principal

M. Tech. 2nd Year 1st Semester SESSION: 2021-2022

INITIAL	FULLNAME	DEPARTMENT
SG	Dr. Santanu Ghorai	Applied Electronics &
SJB	Dr. Surajit Bagchi	Instrumentation Engineering

Member HOD Principal

SESSION: 2021-2022

M. Tech. 2nd Year 1st Semester

2nd Year 1st Semester Syllabus:

Course	Course	Course Name		Contact H	rs Per Week		Credit Points
Type	Code		L	T	P	Total	
Prog.	AEIE6131/	Elective-V	3	0	0	3	3
Specific	AEIE6132/	(1) Micro-					
Elective	AEIE6133	Electromechanical					
	AEIE6134	System Design					
		(2) VLSI Technology					
		(3) Robotics					
		Engineering					
		(4) Remote Sensing					
Open	AEIE6121/	Elective-VI	3	0	0	3	3
Elective*	AEIE6122/	(1) Biosignal and					
(Any one	CSEN6121/	Biomedical					
subject	CSEN6122/	Image Processing					
from the	MATH6121	(2) Intelligent Control					
course		(3) Business					
list)		Analytics					
,		(4) Advanced					
		Artificial Intelligence					
		(5) Optimization					
		Techniques					
Major	AEIE6195	Dissertation Phase I	0	0	20	20	10
Project							
<u>u</u>		Total	6	0	20	26	16

Member HOD Principal

TIME TABLE

DEPARTMENT OF CHEMICAL ENGINEERING

M.Tech. (Renewable Energy) 1styear 1stSemester

Session 2021–2022

DAY	9.00 AM – 9.55 AM	9.55 AM – 10.50 AM	10.50 AM – 11.45 AM	11.45 AM – 12.25 PM	12.25PM – 1.20 PM	1.20PM – 2.15 PM	2.15 PM – 3.10 PM	3.10PM – 4.05 PM	4.05 PM – 5 PM	5 PM – 5.55 PM
MON										
TUE	L/REEN 5101/PS CB 319	L/REEN 5103/ SWV/ CB 319	REEN 5103/ SWV/ CB 319	BREAK	L/REEN 5144/DD/ CB 319	L/REEN 5144/DD/ CB 319	L/REEN 5102/SKS/CB 319			
WED	L/REEN 5102/DS CB 319	L/REEN 5102/DS CB 319	L/REEN 5101/ARS/CB 319	BREAK						
THU	,			BREAK	L/REEN 5141/CR/CB 319	L/REEN 5141/CR/CB 319	L/REEN 5144/SM/CB 319			
FRI	L/REEN 5101/ARS/CB 319	L/DIMA 51	16/SR/ICT 613	BREAK	L/REEN 5144/SM/CB 319	L/REEN 5141/CR/CB 319				

Routine will be effective from 3rd January, 2022.

A minimum of 75% attendance is mandatory for being eligible to sit for the End-Semester Examination. Students should target 100% attendance

HERITAGE INSTITUTE OF TECHNOLOGY TIME TABLE

DEPARTMENT OF CHEMICAL ENGINEERING

M.Tech. (Renewable Energy) 1st year 1st Semester

Session 2021–2022

INITIAL	FULLNAME	DEPARTMENT				
ARS	Prof. AparnaRaySarkar	Chemical Engineering				
SWV	Prof. Swami Vedajnananda	Chemical Engineering				
PS	Prof. PramitaSen	Chemical Engineering				
DS	Prof. DwaipayanSen	Chemical Engineering				
DD	Prof. DiptenduDatta	Chemical Engineering				
SB	Prof. SangitaBhattacharjee	Chemical Engineering				
SKS	Prof. SukantaSaha	Mechanical Engineering				
SM	Prof. SudiptaMitra	Electrical Engineering				
CR	Prof. Chandrima Roy	Electronics & Communication Engineering				

TIME TABLE

DEPARTMENT OF CHEMICAL ENGINEERING

M.Tech. (Renewable Energy) 1st year 1st Semester

Session 2021–2022

1stYear	r 1stSemester ((Semester 1)					
THEO	RY						
Sl. No	Code	Course Title	L	T	P	H	Credit
01	REEN 5101	Renewable Energy Resource and Characteristics	3	0	0	3	3
02	REEN 5102	Non-Solar Renewable Energy	3	0	0	3	3
03	REEN 5103	Research Methodology and IPR	2	0	0	2	2
04	REEN 5141 - 5142	Professional Elective I	3	0	0	3	3
05	REEN 5144- 5145	Professional Elective II	3	0	0	3	3
06	DIMA 5116	Disaster Management	2	0	0	0	0
	PDLS 5118	Personality Development through Life Enlightenment Skills					
	YOGA 5119	Stress Management by Yoga					
	SANS 5120	Sanskrit for Technical Knowledge					
	INCO 5177	Constitution of India					
	Total Theory						14
LABO	RATORY		-				•
Sl. No	Code	Course Title	L	T	P	Н	Credit
01	REEN 5151	Measurement Analysis Laboratory	0	0	4	4	2
02	REEN 5152	Power Laboratory	0	0	4	4	2
	Total Praction						4
	Semester To	tal					18

Professional Elective I	REEN 5141	REEN 5142
Subject name	Material for Renewable Energy Application	Bio Energy
Professional Elective II	REEN 5144	REEN 5145
Subject name	Thermal and Electrical Energy Fundamentals	Modeling and Analysis of Renewable Energy System

TIME TABLE

DEPARTMENT OF CHEMICAL ENGINEERING

M.Tech. (Renewable Energy) 2ndyear 1stSemester

Session 2021–2022

DAY	9.00 AM – 9.55 AM	9.55 AM – 10.50 AM	10.50 AM – 11.45 AM	11.45 AM – 12.25 PM	12.25PM – 1.20 PM	1.20PM – 2.15 PM	2.15 PM – 3.10 PM	3.10PM – 4.05 PM	4.05 PM – 5 PM	5 PM – 5.55 PM
MON	L/REEN 6122/PB/CB 319	L/REEN 6143/SWV/CB 319	L/REEN 6143/SWV/CB 319							
TUE										
WED										
THU										
FRI			L/REEN 6143/SWV/CB 319	Break	L/REEN 6122/PB/CB 215	L/REEN 6122/PB/CB 215				

Routine will be effective from 3rd January, 2022

A minimum of 75% attendance is mandatory for being eligible to sit for the Semester Examination. Students should target 100% attendance

TIME TABLE

DEPARTMENT OF CHEMICAL ENGINEERING

M.Tech. (Renewable Energy) 2ndyear 1stSemester

Session 2021–2022

2nd Year 1st Semester (Semester 3)

THEOR	RY.						
Sl. No	Code	Course Title	L	T	P	H	Credit
01	REEN 6141 6143	-Professional Elective V	3	0	0	3	3
02	REEN 6121 REEN 6122	Composite Materials Safety and Hazards in Energy Industry	3	0	0	3	3
	BIOT 6121	Engineering Mathematics and Biostatistics					
	CSEN 6121	Business Analytics	7				
	Total Theory	y					6
LABOR	RATORY/SESS	IONAL					
Sl. No	Code	Course Title	L	T	P	H	Credit
01	REEN 6195	REEN 6195 Dissertation / Industrial Project – Phase I				0	1 0
	Total Practic	cal					10
	Semester To	tal					16

Professional Elective V	REEN 6141	REEN 6142	REEN 6143
		Renewable Energy Policy and Regulation	Environment Impact Assessment

Open Elective – I	
REEN 6121	Composite Materials
REEN 6122	Safety and Hazards in Energy Industry
BIOT 6121	Engineering Mathematics and Biostatistics
CSEN 6121	Business Analytics

HOD

TIME TABLE

DEPARTMENT OF CHEMICAL ENGINEERING

M.Tech. (Renewable Energy) 2ndyear 1stSemester

Session 2021–2022

INITIAL	FULLNAME	DEPARTMENT
SWV	Prof. Swami Vedajnananda	Chemical Engineering
PB	Prof. Pinaki Bhattacharya	Chemical Engineering

TIME TABLE

DEPARTMENT OF BIOTECHNOLOGY

SESSION: 2021- 2022

BIOT5131

SHD

CB310

M. Tech. 1 yr 1ST semester

BIOT5102

SB

CB310

DIMA5116

SR

CB319

BIOT5131

SHD

CB310

BIOT5131

BIOT5142

BC

CB310

KM

CB310

THU

FRI

9.55AM-1.20PM-9.00AM-10.50AM-11.45AM-12.25PM-2.15PM-3.10PM-4.05PM-5.00PM-DAY 9.55AM 10.50AM 2.15PM 11.45AM 12.25AM 1.20PM 3.10PM 4.05PM 5.00PM 5.55PM BIOT5142 BIOT5102 BIOT5141 BIOT5103 **BIOT5131 BIOT5101** BC/CB310 RC DC SMB NKJ RG MON **BIOT5141** CB310 CB310 CB310 CB310 CB310 RC/CB321 BIOT5141 BIOT5102 BIOT5102 BIOT5101 BIOT5101 KM/CB321 **MENTORING** SBTUE DC KM NKJ CB310 BIOT5142 CB310 CB310 CB310 CB310 SB/CB310 BREAK BIOT5102 BIOT5131 **BIOT 5103** BIOT5103 Remedial **BIOT5142** WED PC RG SB KM LIBRARY SB/CB310 class CB310 CB310 CB310 CB310

To be effective from 3rd-Jan-2022

BIOT5131

RC

CB310

BIOT5131

SHD

CB310

BIOT5102

DC

CB310

BIOT5141

SMB/CB311

BIOT5101

NKJ

CB310

BIOT5101

NKJ

CB310

A minimum of 75% attendance is mandatory for being eligible to sit for the End -Semester Examination. Students should target 100% attendance.

Member	HOD	Principal

HERITAGE INSTITUTE OF TECHNOLOGY TIME TABLE

M. Tech. 1 yr 1ST semester DEPARTMENT OF BIOTECHNOLOGY SESSION: 2021- 2022

Faculty	Name of the Faculty	Name of the
Abbreviation		Department
SB	Prof. Srabanti Basu	Biotechnology
NKJ	Dr. Nandan .Kumar Jana	Biotechnology
KM	Dr. Kakali Mukherjee	Biotechnology
BC	Dr. Bhaswati Chakraborty	Biotechnology
RG	Dr. Riddhi Goswami	Biotechnology
RC	Dr. Ruplekha Chatterjee	Biotechnology
SDE	Dr. Sudipta Dey	Biotechnology
SHD	Ms. Sonali Hazra Das	Biotechnology
PC	Mr. Plaban Chaudhuri	Biotechnology

Member	HOD	Principal

HERITAGE INSTITUTE OF TECHNOLOGY TIME TABLE

M. Tech. 1 yr 1ST semester DEPARTMENT OF BIOTECHNOLOGY SESSION: 2021- 2022

A. T	HEORY							
Sl. No.	Code	Field	Theory	Contact Hours/Week			Cr. Points	
110.				L	T	P	Total	Politis
1	EVSC2016	Basic Science	Environmental Science	2	0	0	2	0
2	HMTS2001	Humanities	Human Values and Professional Ethics	3	0	0	3	3
3	MATH2101	Basic Science	Mathematical and Statistical methods	4	0	0	4	3
4	BIOT2101	Basic Science	Chemistry of Biomolecules	3	0	0	3	3
5	BIOT2103	Prof. Core	Industrial Stoichiometry	3	0	0	3	3
6	BIOT2104	Prof. core	Biochemistry	3	0	0	3	3
	BIOT2105	Prof. core	Microbiology	3	0	0	3	3
			Total of Theory				21	18
B. P	RACTICAL/ L	ABORATORY						
7	BIOT2111	Basic Science	Biomolecular Chemistry Lab	0	0	3	3	1.5
9	BIOT2112	Prof. core	Biochemistry Lab	0	0	3	3	1.5
10	BIOT2113	Prof. core	Microbiology Lab	0	0	4	4	2
			Total of Practical				10	5
			Total of Semester				31	23

Member	HOD	Principal

TIME TABLE

M. Tech. 2 year 3rd semester DEPARTMENT OF BIOTECHNOLOGY **SESSION: 2021-2022** 9.55AM-9.00AM-10.50AM-12.25PM-1.20PM-3.10PM-4.05PM-11.45AM-2.15PM-5.00PM-DAY 9.55AM 4.05PM 10.50AM 11.45AM 12.25AM 2.15PM 1.20PM 3.10PM 5:00PM 5.55PM BIOT6132 BIOT6132 BIOT6131 BIOT6121 **BIOT6133** BIOT6121 MON PC SB TKG RG BCRG **PROJECT** CB311 CB311 CB311 CB311 CB311 CB311 BIOT6133 BIOT6131 BIOT6131 BCSDE **TUE PROJECT** TKG **PROJECT** CB311 CB311 CB311 BREAK BIOT6121 BIOT6131 **MENTORING** SDE WED SMB PROJECT **PROJECT** CB311 CB311 CB311 BIOT6133 BIOT6132 THU TKG RC**PROJECT** LIBRARY **PROJECT** CB311 CB311

To be effective from 3rd-Jan-2022

PROJECT

BIOT6132

RC

CB311

BIOT6133

TKG

CB311

FRI

PROJECT

BIOT6121

SMB

CB311

A minimum of 75% attendance is mandatory for being eligible to sit for the End -Semester Examination. Students should target 100% attendance.

Member	HOD	Principal

HERITAGE INSTITUTE OF TECHNOLOGY TIME TABLE

M. Tech. 2 year 3rd semester DEPARTMENT OF BIOTECHNOLOGY SESSION: 2021- 2022

Faculty	Name of the Faculty	Name of the
Abbreviation		Department
SB	Prof. Srabanti Basu	Biotechnology
DC	Prof. Dipankar Chaudhuri	Biotechnology
NKJ	Prof. Nandan .Kumar Jana	Biotechnology
TKG	Prof. Tapan Kumar Ghosh	Biotechnology
KM	Prof. Kakali Mukherjee	Biotechnology
SMB	Prof. Soma Banerjee	Biotechnology
RG	Prof. Riddhi Goswami	Biotechnology
RC	Prof. Ruplekha Chatterjee	Biotechnology
SDE	Prof. Sudipta Dey Bandyopadhyay	Biotechnology
BC	Prof. Bhaswati Chakraborty	Biotechnology
SHD	Prof. Sonali Hazra Das	Biotechnology
PC	Prof Plaban Chaudhuri	Biotechnology
SB	Samarpita Bhattacharya	Maths

TA	Name of TA	Name of
Abbreviation		Department
СВ	Mr. Chayan Banerjee	Biotechnology
SM	Ms. Sharmistha	Biotechnology
	Mukherjee	
CD	Ms. Chandralekha	Biotechnology
	Dasgupta	
AM	Mr. Abhisek Mukherjee	Biotechnology
MB	Mainak Bhattacharya	Biotechnology
SS	Shubhasree Sengupta	Biotechnology
MS	Munmun Sen	Biotechnology

Member	HOD	Principal

HERITAGE INSTITUTE OF TECHNOLOGY TIME TABLE

M. Tech. 2 year 3rd semester

DEPARTMENT OF BIOTECHNOLOGY

SESSION: 2021- 2022

2^{nd} yr 1^{st} semester

			Scheme	of st	udies	Credits
Course	Field	Course Title	per	week	ζ	
Code			L	T	P	
A		Theory				
BIOT6131		Modelling and Simulation in				
	Prof.	Bioprocess	3	0	0	3
BIOT6132	Elective 5	Biopharmaceuticals				
BIOT6133		Downstream Processing				
BIOT6121		Engineering Mathematics and	3	0	0	3
		Biostatistics				
AEIE6122	Open	Intelligent Control				
CSEN6121	Open Elective*	Business Analytics				
MATH6121	Elective	Optimization Techniques				
REEN6122		Safety and Hazards in Energy				
		Industry				
		Total Theory	6	0	0	6
В		Sessional				
BIOT6195	Project	Dissertation-I /Industrial Project	0	0	20	10
		Total Sessional	0	0	20	10
		SEMESTER TOTAL	0	0	20	16

Member	HOD	Principal

TIME TABLE M. Tech. 2 year 3rd semester DEPARTMENT OF BIOTECHNOLOGY **SESSION: 2021- 2022**

HOD

Member

Principal

TIME TABLE

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING M.TECH VLSI

2nd YEAR, 1st SEMESTER

SESSION: 2021-2022

DAY	9.00 AM – 9.55AM	9.55 AM – 10.50 AM	10.50 NOON – 11.45 PM	11.45AM -12.25PM	12.25 PM – 1.20PM	1.20PM – 2.15 PM	2.15 PM – 3.10 PM	3.10 PM – 4.05 PM	4.05PM- 5.00PM	5.00PM - 5.55PM
MO N	L/ECEN 6125/SM/ICT 509	L/ECEN 6125/SMICT 509								
TUE						L/VLSI 6132/KM/IC T 509	L/VLSI 6132/KM /ICT 509			
WE D			L/VLSI 6132/AMB/IC T 509	Break						
THU					L/ECEN 6125/SM/ICT 509					
FRI										

To be effective from 3rd January, 2022 A minimum of 75% attendance is mandatory for being eligible to sit for the End-Semester Examination. Students should target 100% attendance HOD

TIME TABLE

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING M.TECH VLSI

2nd YEAR, 1st SEMESTER

SESSION: 2021-2022

FACULTY NAMES

Faculty names	Initials	Department
Prof. Amrita Banerjee	AMB	ECE
Prof.(Dr.) Kasturi Mukherjee	KM	ECE
Prof.(Dr.) Susovan Mandal	SM	ECE

TIME TABLE

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING M.TECH VLSI

2nd YEAR, 1st SEMESTER

SESSION: 2021-2022

COURSE STRUCTURE

2nd, Year, Semester I

	A. Theory							
Sl. No.	Course	Code	Course Title	Contac	et Hour	/Weel	k	Credits
I	Type]						
				L T P Total				
1	Professional	VLSI6131	Nano materials and Nano					
1	Elective		Technology	1				
1	PE-5			3	0	0	3	3
		VLSI6132	RF IC Design and MEMS	1				
-	0	MATH6121	Ordiniant Trabailmen	-		-		
-2	Open		Optimization Techniques					
	Elective	CSEN6121	Business Analytics	1				
		ECEN 6125	Design and Technology for	3	0	0	3	3
1			Photonic Integrated Circuit	1				
		AEIE6123	Intelligent Control					
		Total of Th	eory	6	0	0	6	6

	B. Sessional							
1	Dissertation	VLSI6195	Dissertation Phase I	0	0	20	20	10
		Total of Ser	mester	6	0	20	26	16

TIME TABLE

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING M.TECH ECE

2nd YEAR, 1st SEMESTER

SESSION: 2021-2022

DAY	9.00 AM – 9.55AM	9:55 AM – 10.50 AM	10.50 NOON – 11.45 PM	11.45AM- 12.25PM	12.25 PM – 1.20PM	1.20PM – 2.15 PM	2.15 PM – 3.10 PM	3.10 PM – 4.05 PM	4.05PM- 5.00PM	5.00PM- 5.55PM
MON	L/ECEN 6125/SM/ICT 509	L/ECEN 6125/SM/ICT 509								
TUE		L/ECEN 6132/PRB/ICT 509	L/ECEN 6132/PRB/ICT 509							
WED		L/ECEN 6132/PRB/ ICT 509		Break						
THU					L/ECEN 6125/SM/ICT 509					
FRI										

TIME TABLE

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING M.TECH ECE

2nd YEAR, 1st SEMESTER

SESSION: 2021-2022

FACULTY NAMES

Faculty names	Initials	Department
Prof. (Dr.) Prabir Banerjee	PRB	ECE
Prof.(Dr.) SusovanMandal	SM	ECE

TIME TABLE

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING M.TECH ECE

2nd YEAR, 1st SEMESTER

SESSION: 2021-2022

COURSE STRUCTURE

2nd. Year, Semester I

A.	Theory							
51	Course Type	C-1-	Course Title	Contac		Credits		
No	Course Type	Code	Course litte	L	Т	P	Total	
Professional Elective V		ECEN6131	Remote Sensing and applications	3				
l (Prog. Specific	ECEN6132	Internet of Things (IoT) and applications	0		0	3	3	
	Professional Elective)	ECEN6133	MIMO Systems					
		MATH6121	Optimization Techniques					
	Open	CSEN6121	Business Analytics				3	
2	Elective	ECEN 6125	Design and Technology for Photonic Integrated Circuit	3	0	0		3
		AEIE6123	Intelligent Control					
Total	of Theory	6	0	0	6	6		

В.	Sessional							
1	Dissertation	ECEN6195	Dissertation Phase I	0	0	20	20	10
	Total of	Semester		6	0	20	26	16

HERITAGE INSTITUTE OF TECHNOLOGY Department of Computer Science & Engineering TIME TABLE

M. Tech 1st Sem Session: 2021-2022

MON	9.00 AM -9.50 AM 9.55 AM - 10.45 AM L/ CSEN5131/DB/ICT301		10.50 AM – 11.40 AM	11:45 AM-12:25 PM	12.25 PM – 1.15 PM	1.20 PM – 2.10 PM	2.15 PM – 3.05 PM	3:10 PM -4:00PM	4.05 PM – 4.55 PM	
MON			L/CSEN5102/MBK/ICT301		L/CSEN5141/NB/ICT301					
TUE	L/CSEN5101/NGB/ICT301		L/MATH5101 /VB/ICT301	В	L/CSEN5141/NB/ICT301					
WED	Remedial		L/MATH5101 /SDS/ICT301	E	L/MATH5101 /TBA/ICT301					
THU	L/ CSEN5131/DB/ICT301 L/CSEN5102/MBK/ICT		L/CSEN5102/MBK/ICT301	K	L/MATH5101 /MP/ICT301	R/MATH5101 /MP/ICT301				
FRI	L/CSEN5101/NGB/ICT301	L/DIMA5116/SR	L/DIMA5116/SR							

from 3rd January,2022 or being eligible to sit for the End Semester Examination target 100% attendance.

HOD

Principal

HERITAGE INSTITUTE OF TECHNOLOGY Department of Computer Science & Engineering TIME TABLE

M. Tech 1st Sem Session: 2021-2022

	Faculty Name	Abbreviation	Department						
	Prof. Venu Bihani	VB	MATH						
	Prof. Sudipta Sarkar	SDS	MATH						
	Prof. Moumita Pramanik	MP	MATH						
	Prof. Dinabandhu Bhandari	DB	CSE						
	Prof. Nilanjana G Basu	NGB	CSE						
	Prof. Mohuya Byabartta Kar	MBK	CSE						
	Prof. Nilina Bera	NB	CSE						
	Prof Siuli Roy	SR	IT						
	T.A. Name	Abbreviation	Department						
	Mr. SURAJIT ACHARYA	SA	CSE						
	Mr. SUDIPTA CHAKRABARTY	SC	CSE						
A. Theory									
SI.	Course Number	Subject	Scheme Of Studies Per V	Veek		Total	Credits		
			L	T	P				
	1 CSEN5101	Advanced Data Structures	3	0	0	3	3		
	2 CSEN5102	Research Methodology and II	2	0					
	3 MATH5101	Advanced Discrete Mathemat and Statistical Methods	3	0	0	3	3		
	4 CSEN5131 – CSEN5140	Professional Elective I	3	0	0	3	3		
	CSEN5131 CSEN5132 CSEN5133 CSEN5134 CSEN5135	Machine Learning Advanced Wireless and Mobi Introduction to Intelligent Sy GPU Computing Image Proc							
	5 CSEN5141 - CSEN5150	Professional Elective II	3	0	0	3	3		
	CSEN5141	Data Science							
	CSEN5142	Distributed Systems							
	CSEN5143	Wireless Sensor Networks							
	CSEN5144	Digital Forensics							
	CSEN5145	Computational Biology							
	6 Audit Course DIMA5116 IN	Disaster Management Con Stress Management by Yo	2	0	0	2	0		
T . 1 T	YOGA5119 SANS5120		**	_					
Total Theory			16	0	0	16	14	1	
Practical		T		ı				1	
	1 CSEN5151 2 CSEN5181 -	Advanced Data Structures Lal	0	0	4	4	2 2	1	
	CSEN5181 - CSEN5190 CSEN5181 CSEN5182	Professional Elective-I Lab Machine Learning Lab Advan		0	4	4	2		
	CSEN5183	Introduction to Intelligent Sy GPU Computing Lab Image	stems Lab	Networks Lab					
	CSEN5184 CSEN5185								
Total Practical			0	0	8	8	4		
Total Semester			16	0	8	24	18	1	
- Juli Semester				·	L "				

					NSTITUTE OF TECHNO Computer Science & En TIME TABLE					
	M. Tech 3rd Sem								Session	2021-2022
DAY	9.00 AM - 9.50 AM	9.55 AM – 10.45 AM	10.50 AM - 11.40 AM	11.45 AM – 12.25 PM	12.25 PM – 1.15 PM	1.20 PM - 2.10 PM	2.15 PM - 3.05 PM	3.10 PM - 4.00 PM	4.05 PM – 4.55 PM	5.00 PM - 5.50 I
MON		L/MATH6121/M	S/ICT306		L/CSEN6137/AS/306	/CSEN6137/AS/ICT306	5			
TUE				В						
WED	Project	Project	Project	R E						
THU		,	,	A K						
FRI		L/CSEN6137/AS	VICT306	K	L/MATH6121/DC/ICT306					
		Ly CSENOIS//AC	J/101300		L/WATTOIZI/ DC/TC1300					<u> </u>
	Member			Student su	ould target 100% attend HOD				1	Principal
					NSTITUTE OF TECHNO Computer Science & En TIME TABLE					
	M. Tech 3rd Sem	Faculty Name	Abbreviation	Department of	Computer Science & En				Session	: 2021-2022
	M. Tech 3rd Sem	Faculty Name Prof. Moulipriya Sarkar	Abbreviation MS		Computer Science & En				Session	: 2021-2022
	M. Tech 3rd Sem			Department of Department	Computer Science & En				Session	: 2021-2022
	M. Tech 3rd Sem	Prof. Moulipriya Sarkar	MS	Department of Department MATH	Computer Science & En				Session	: 2021-2022
	M. Tech 3rd Sem	Prof. Moulipriya Sarkar Prof. Dr. Dipankar Chakraborty Prof. Aritra Saha	MS DC	Department of Department MATH MATH	Computer Science & En				Session	2021-2022
		Prof. Moulipriya Sarkar Prof. Dr. Dipankar Chakraborty	MS DC AS	Department of Department MATH MATH CSE	Computer Science & En TIME TABLE	gineering		Total		2021-2022
		Prof. Moulipriya Sarkar Prof. Dr. Dipankar Chakraborty Prof. Aritra Saha A. Theory	MS DC	Department of Department MATH MATH	Computer Science & En	gineering	P	Total	Session:	2021-2022
		Prof. Moulipriya Sarkar Prof. Dr. Dipankar Chakraborty Prof. Aritra Saha A. Theory SI.	MS DC AS	Department of Department MATH MATH CSE	Computer Science & En TIME TABLE	k T	P 0	Total 3		: 2021-2022
		Prof. Moulipriya Sarkar Prof. Dr. Dipankar Chakraborty Prof. Aritra Saha A. Theory SI.	MS DC AS Course Number CSEN6131 CSEN6139 CSEN6131 CSEN6131 CSEN6132 CSEN6131	Department of Department MATH MATH CSE Subject Professional Elective V Mobile Applications and S Compiler for HPC Comp	Computer Science & En TIME TABLE Scheme Of Studies Per Wee L 3 ervices tatational Complexity Fault TG	k T	0	3	Credits 3	: 2021-2022
		Prof. Moulipriya Sarkar Prof. Dr. Dipankar Chakraborty Prof. Aritra Saha A. Theory SI.	MS DC AS Course Number CSEN6131 - CSEN6139 CSEN6131	Department of Department MATH MATH CSE Subject Professional Elective V Mobile Applications and S Compiler for HPC Comp	Computer Science & En TIME TABLE Scheme Of Studies Per Wee L 3 ervices tatational Complexity Fault TG	k T 0 olerant Computing Appro	0	3	Credits 3	2021-2022
		Prof. Moulipriya Sarkar Prof. Dr. Dipankar Chakraborty Prof. Aritra Saha A. Theory SI.	MS DC AS Course Number CSEN6131 CSEN6139 CSEN6131 CSEN6131 CSEN6132 CSEN6131	Department of Department MATH MATH CSE Subject Professional Elective V Mobile Applications and S Compiler for HPC Compt Social Network Analysis of Open Elective Business Analytics Design of Embedded Syst	Computer Science & En TIME TABLE Scheme Of Studies Per Wee L a services tatational Complexity Fault To Quantum Computing as a sens Information Theory and	k T 0 olerant Computing Appro	0 ximation Algorithms Ra	3 ndomized Algorithms In	Credits 3 formation Retrieval	2021-2022
		Prof. Moulipriya Sarkar Prof. Dr. Dipankar Chakraborty Prof. Aritra Saha A. Theory SI.	MS DC AS Course Number CSEN6131 CSEN6139 CSEN6131 CSEN6132 CSEN6138 CSEN6138 CSEN6138 CSEN6138 CSEN6139	Department of Department MATH MATH CSE Subject Professional Elective V Mobile Applications and S Compiler for HPC Compt Somial Network Analysis of Compiler for Elective V Open Elective S Department of the Compt Subject S Department of the Compt S Department of	Computer Science & En TIME TABLE Scheme Of Studies Per Wee L a services tatational Complexity Fault To Quantum Computing as a sens Information Theory and	k T 0 olerant Computing Appro Coding Automation in V	0 ximation Algorithms Ra	3 ndomized Algorithms In	Credits 3 formation Retrieval	2021-2022
		Prof. Moulipriya Sarkar Prof. Dr. Dipankar Chakraborty Prof. Aritra Saha A. Theory SI. 1 Total Theory B. Sessional	MS DC AS Course Number CSEN6131 CSEN6139 CSEN6131 CSEN6132 CSEN6138 CSEN6138 CSEN6138 CSEN6138 CSEN6139	Department of Department MATH MATH CSE Subject Professional Elective V Mobile Applications and S Compiler for HPC Compt Social Network Analysis of Open Elective Business Analytics Design of Embedded Syst	Computer Science & En TIME TABLE Scheme Of Studies Per Wee L 3 ervices ttational Complexity Fault To Quantum Computing 3 ems Information Theory and Intelligent Control	k T 0 olerant Computing Appro Coding Automation in V	0 ximation Algorithms Ra 0 LSI Design	3 andomized Algorithms In	Credits 3 formation Retrieval	2021-2022

1 CSEN6195

Total Semester

Dissertation - Phase I

20 20

TIME TABLE

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING M.TECH ECE

1st YEAR, 1st SEMESTER

SESSION: 2021-2022

DA Y	9.00 AM – 9.55AM	9.55 AM – 10.50 AM	10.50 NOON – 11.45 PM	11.45AM - 12.25PM	12.25 PM – 1.20PM	1.20PM – 2.15 PM	2.15 PM – 3.10 PM	3.10 PM – 4.05 PM	4.05PM- 5.00PM	5.00PM - 5.55PM
MO N	L/ECEN5102/AR/IC T 613	L/ECEN5102/AC/ICT 613	L/ECEN5102/A C/ICT 613				TIVI		<u> </u>	
TUE	L/ECEN5101/SC/I CT 613	L/ECEN5131/AR/ICT 613	L/ECEN5131/A R/ICT 613	Break	L/ECEN 5103/MK/ICT 613	L/ECEN 5103/MK/I CT 613				
WE D	L/ECEN 5141/SB/ICT 613	L/ECEN 5141/SB/ICT 613								
THU	L/ECEN5101 /SC/ICT 613	L/ECEN5101 /SC/ICT 613	L/ECEN5131/P RB /ICT 613							
FRI	L/ECEN 5141 /SB/ICT 613	L/DIMA5116/SR/ ICT 613	L/DIMA5116/S R/ ICT 613							

To be effective from 3rd January, 2022.

A minimum of 75% attendance is mandatory for being eligible to sit for the End-Semester Examination. Students should target 100% attendance

TIME TABLE

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING M.TECH ECE

1st YEAR, 1st SEMESTER

SESSION: 2021-2022

FACULTY NAMES

Faculty names	Initials	Department
Prof. (Dr.) Prabir Banerjee	PRB	ECE
Prof. Arindam Ray	AR	ECE
Prof.(Dr.) SoumyoChatterjee	SC	ECE
Prof.(Dr.) MousikiKar	MK	ECE
Prof. AnanyaChattopadhyay	AC	ECE
Prof.(Dr.) Sriparna Bhattacharya	SB	ECE
Prof. (Dr.) Siuli Roy	SR	IT

TIME TABLE

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING M.TECH ECE

1st YEAR, 1st SEMESTER

SESSION: 2021-2022

COURSE STRUCTURE

1st. Year, Semester I

A. 7	Theory							
SI	Course Type	Code	Course Title	Cont	act Hr	s/We	Credits	
No	Course Type	Code	Course Time	L	T	P	Total	Credits
1	Professional Core 1	ECEN5101	Antenna and Radiating Systems	3	o	0	3	3
2	Professional Core 2	ECEN5102	Wireless and Mobile Communication	3	0	0	3	3
	Professional	ECEN5131	Wireless Ad Hoc and Sensor Networks					
3	Elective I (Prog. Specific Professional	ECEN5132	Photonics and Optical Communication Networks	3	0	0	3	3
	Elective)	ECEN5133	Statistical Process in Communication					
	Professional	ECEN5141	Satellite Communication and applications					
4	Elective II (Prog. Specific Professional	ECEN5142	Multimedia Communication	3	0	o	3	3
	Elective)	ECEN5143	Cryptography and Network Security					
5	Mgt. Group	ECEN5103	Research Methodology and IPR	2	0	0	2	2
	Audit 1	DIMA5116	Disaster Management					
		INCO5117	Constitution of India					
б		PDLS5118	Personality Development	2	0	0	2	0
		YOGA5119	Stress Management by Yoga					
		SANS5120	Sanskrit for Technical Knowledge					
Total	Theory			16	0	0	16	14

	B. Practic	al						
1	Professional lab1	ECEN5151	Antenna and Radiating Systems lab	0	0	4	4	2
2	Professional lab2	ECEN5152	Wireless and Mobile Communication lab	0	0	4	4	2
Tota	l Practical			0	0	8	8	4
Tota	l for Semester			16	0	8	24	18

To be effective from 3rd January, 2022.

A minimum of 75% attendance is mandatory for being eligible to sit for the End-Semester Examination. Students should target 100% attendance

TIME TABLE

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING M.TECH VLSI

SESSION: 2021-2022

1st YEAR, 1st SEMESTER

DAY	9.00 AM – 9.55AM	9.55 AM – 10.50 AM	10.50 NOON – 11.45 PM	11.45AM- 12.25PM	12.25 PM – 1.20PM	1.20PM – 2.15 PM	2.15 PM – 3.10 PM	3.10 PM – 4.05 PM	4.05PM- 5.00PM	5.00PM- 5.55PM
MON	L/VLSI 5102/AS/ICT 614	L/VLSI 5102/AS/ICT 614	L/VLSI 5132/TC/ICT 614							
TUE		L/VLSI 5142/SP/ICT 614	L/VLSI 5142/SP /ICT 614		L/ECEN 5103/MK/ICT 613	L/ECEN 5103/MK/IC T 613				
WED			L/VLSI 5102/AS /ICT 614	Break	L/VLSI 5132/TC/ICT 614	L/VLSI 5132/TC/ICT 614				
THU	L/VLSI 5101/KD/ICT 614	L/VLSI 5101/KD/ICT 614								
FRI	L/VLSI 5142/SP/ICT 614	L/DIMA5116/SR/ICT 613	L/DIMA511 6/SR/ICT 613		L/VLSI 5101/KD/ICT 614					

To be effective from 3^{rd} January, 2022. A minimum of 75% attendance is mandatory for being eligible to sit for the End-Semester Examination. Students should target 100% attendance

TIME TABLE

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING M.TECH VLSI

SESSION: 2021-2022

1st YEAR, 1st SEMESTER

FACULTY NAMES

Faculty names	Initials	Department
Prof.(Dr.) AnindyaSen	AS	ECE
Prof.(Dr.) SrabantiPandit	SP	ECE
Prof. Pratima Shaw	PS	ECE
Prof.(Dr.) MousikiKar	MK	ECE
Prof.(Dr.) Tapas Chakraborty	TC	ECE
Prof. KrishanuDatta	KD	ECE
Prof. (Dr.) Siuli Roy	SR	IT

TIME TABLE

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING M.TECH VLSI

1st YEAR, 1st SEMESTER

SESSION: 2021-2022

COURSE STRUCTURE

M.Tech. VLSI 1st. Year, Semester I

A. T	heory							
Sl. No.	Course Type	Code	Course Title	Contac	et Hours	/Weel		Credits
				L	T	P	Total	
1	Professional core l	VLSI5101	Digital VLSI IC Design	3	0	0	3	3
2	Professional core 2	VLSI5102	Embedded Systems Design	3	0	0	3	3
3	Professional Elective	VLSI5131	DSP For VLSI System	3	0	0	3	3
	PE-1	VLSI5132	VLSI IC Fabrication	,		"		,
4	Professional	VLSI5141	CAD of Digital System					
	Elective PE-2	VLSI5142	Modelling of VLSI Device	3	0	0	3	3
5	Mgt. Group	ECEN5103	Research Methodology and IPR	2	0	0	2	2
6	Audit 1	DIMA5116	Disaster Management					
		INCO5117	Constitution of India					
		PDLS5118	Personality Development	2	0	0	2	0
		YOGA5119	Stress Management by Yoga	- 2		0		0
		SANS5120	Sanskrit for Technical					
			Knowledge					
		Total of Tl	heory	16	0	0	16	14

В. 1	B. Practical									
1	Professional	VLSI5151	Digital VLSI IC Design Lab	0	0			,		
	Core Labl			0		4	4	- 4		
2	Professional Core Lab2	VLSI5152	Embedded Systems Design Lab	0	0	4	4	2		
	Total of Practical 0 0 8 8 4						4			
	Total		16	0	8	24	18			