

# HERITAGE INSTITUTE OF TECHNOLOGY

## TIME TABLE

### DEPARTMENT OF APPLIED ELECTRONICS & INSTRUMENTATION ENGINEERING

M. Tech 2nd Year 1st Semester


SESSION: 2023-2024

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	Project/AEIE6295/ ICT101			BREAK						
TUE	Project/AEIE6295/ ICT101				L/AEIE6121 /SAM/ICT110	L/AEIE6121 /SAM/ICT110	Project/AEIE6295/ ICT101			
WED	Project/AEIE6295/ ICT101				BREAK	L/AEIE6121 /SMC/ICT110	L/AEIE6134 /SG/ICT110			
THU	Project/AEIE6295/ ICT101			BREAK	Project/AEIE6295/ ICT101					
FRI	Project/AEIE6295/ ICT101				BREAK	L/AEIE6134 /SG/ICT110	L/AEIE6134 /SG/ICT110	Project/AEIE6295/ ICT101		

To be Effective from 17<sup>th</sup> July, 2023

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

Students should target 100% attendance



Member



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# HERITAGE INSTITUTE OF TECHNOLOGY

TIME TABLE

DEPARTMENT OF APPLIED ELECTRONICS & INSTRUMENTATION ENGINEERING

M. Tech 2nd Year 1st Semester

SESSION: 2023-2024

## Faculty Details:

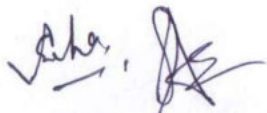
## TA Details:

INITIALS	FULLNAME	DEPT	INITIALS	FULLNAME	DEPT
SG	Dr. Shantanu Ghorai	AEIE			
SAM	Prof. Samiul Alam				
SMC	Dr. Samik Chakraborty				

To be Effective from 17<sup>th</sup> July, 2023

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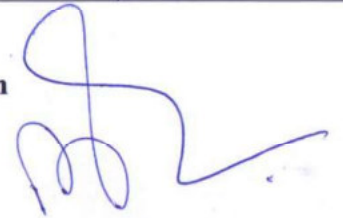
Students should target 100% attendance



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# HERITAGE INSTITUTE OF TECHNOLOGY

TIME TABLE

DEPARTMENT OF APPLIED ELECTRONICS & INSTRUMENTATION ENGINEERING

M. Tech 2nd Year 1st Semester

SESSION: 2023-2024

## COURSE STRUCTURE:

### 2<sup>nd</sup> Year 1<sup>st</sup> Semester Syllabus:

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

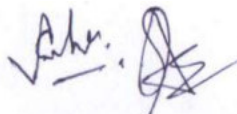
### 2<sup>nd</sup> Year 2<sup>nd</sup> Semester Syllabus:

Course Type	Course Code	Course Name	Contact Hrs Per Week				Credit Points
			L	T	P	Total	
Major Project	AEIE6295	Dissertation Phase II	-	-	28	28	14
	AEIE6297	Comprehensive Viva-Voce	-	-	-	-	2
<b>Total</b>			<b>-</b>	<b>-</b>	<b>28</b>	<b>28</b>	<b>16</b>

Total Course Credit = 68

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**HERITAGE INSTITUTE OF TECHNOLOGY**  
**TIME TABLE**  
**<DEPARTMENT OF BIOTECHNOLOGY >**

**M. 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	BIOT6195 PROJECT MS/AM CB413, CB415	L/BIOT6121 MS CB311	BIOT6195 PROJECT CB/SM/MS/ CB406, CB408, CB413	B	L/BIOT6121 RG CB321	BIOT6195/ PROJECT CB/MS/SM CB406, CB413, CB408		MENTORING CB311	LIBRARY	
	GR 2										
TUE	GR 1	L/BIOT6121 SMB CB311	LIBRARY	L/BIOT6131 SDE CB311	R	L/BIOT6131 BC CB310	L/BIOT6133 TKG CB311	BIOT6195/PROJECT AM/MS CB415, CB413		LIBRARY	
	GR 2										
WED	GR 1	L/BIOT6131 BC CB311	L/BIOT6132 RC CB311	BIOT6195 PROJECT SM CB408	E	L/BIOT6132/RG CB310	BIOT6195/PROJECT AM/SS/SM/CD/MS/MB CB415, CB306, CB408, CB308, CB413, CB611			LIBRARY	
	GR 2					L/BIOT6133/TKG CB311					
THU	GR 1	BIOT6195 PROJECT DM/ CB408	L/BIOT6133 TKG CB311	BIOT6195 PROJECT CD/ CB308	A	R/BIOT6131/SDE CB310	BIOT6195/PROJECT SS/CD CB306, CB308			LIBRARY	
	GR 2					R/BIOT6132/RC CB311					
FRI	GR 1	L/BIOT6132/PC CB311	R/BIOT6121 SMB CB311	BIOT6195 PROJECT MS/MB/SM/AM CB413, CB611. CB408, CB415	K	L/BIOT6133/TKG CB311	BIOT6195/ PROJECT CB/CD/DM/SM CB406, CB308, CB408			LIBRARY	
	GR 2										


To be Effective from 17<sup>th</sup> July, 2023

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**Students should target 100% attendance**

  
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**HERITAGE INSTITUTE OF TECHNOLOGY**  
**TIME TABLE**  
**<DEPARTMENT OF BIOTECHNOLOGY >**

M. Tech 2nd Year 1st Semester

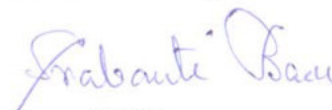
SESSION: 2023-24


Faculty:			TA:		
INITIALS	FULLNAME	DEPT	INITIALS	FULLNAME	DEPT
TKG	Prof. (Dr.) Tapan Kumar Ghosh	BT	CB	Mr. Chayan Banerjee	BT
RG	Prof. (Dr.) Riddhi Goswami	BT	AM	Dr. Abhisek Mukherjee	BT
SMB	Prof. (Dr.) Soma Banerjee	BT	SS	Dr. (Mrs.) Subhashree Sengupta	BT
RC	Prof. (Dr.) Ruplekha Chatterjee	BT	CD	Mrs. Chandralekha Dasgupta	BT
SDE	Prof. (Dr.) Sudipta Dey Bandyopadhyay	BT	SM	Mrs. Sarmistha Mukherjee	BT
BC	Prof. (Dr.) Bhaswati Chakraborty	BT	MS	Mrs. Munmun Sen	BT
PC	Prof. Plaban Chowdhuri	BT	DM	Mr. Dipankar Manna	BT
MS	Prof. Moulipriya Sarkar	MATH	MB	Mr. Mainak Bhattacharya	BT

To be Effective from 17<sup>th</sup> July, 2023

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**HERITAGE INSTITUTE OF TECHNOLOGY**  
**TIME TABLE**  
**<DEPARTMENT OF BIOTECHNOLOGY >**

M. Tech 2nd Year 1st Semester

SESSION: 2023-24

COURSE STRUCTURE:

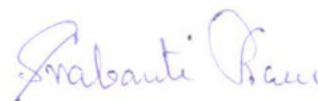
2<sup>nd</sup> yr 1<sup>st</sup> semester


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

To be Effective from 17<sup>th</sup> July, 2023

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 Students should target 100% attendance

  
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**HERITAGE INSTITUTE OF TECHNOLOGY**  
**TIME TABLE**  
**CSE**

M. Tech 2nd Year 3rd Semester

SESSION: 2023-2024

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										
TUE										
WED					L/CSEN6137 /AS/ICT306	L/MATH6121/ MS/ICT306	L/MATH6121/ MS/ICT306			
THU		L/MATH6121/ DC/ICT306	L/CSEN6137/ AS/ICT306		L/CSEN6137/ AS/ICT306	Remedial/ ICT 306				
FRI										

To be Effective from 17.07.2023  
A minimum of 75% attendance is mandatory for being eligible to sit for the End-Semester Examination  
Students should target 100% attendance

*Snilpi Saha*  
*Arya Bhattacharya*

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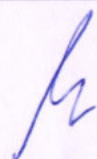
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Faculty Details		
Initials	Full Name	Department
AS	Prof.Aritra Saha	CSE
MS	Prof. Moulipriya Sarkar	MATH
DC	Prof.(Dr.) Dipankar Chakraborty	

A. Theory							
Sl.	Course Number	Subject	Scheme Of Studies Per Week			Total	Credits
			L	T	P		
1	CSEN6131 - CSEN6139	Professional Elective V	3	0	0	3	3
	CSEN6131 CSEN6132 CSEN6133 CSEN6134 CSEN6135 CSEN6136 CSEN6137 CSEN6138 CSEN6139	Mobile Applications and Services Compiler for HPC Computational Complexity Fault Tolerant Computing Approximation Algorithms Randomized Algorithms Information Retrieval Social Network Analysis Quantum Computing					
2		Open Elective	3	0	0	3	3
	CSEN6121 ECEN6122 INFO6123 ECEN6124 MATH6121 AEIE6122	Business Analytics Design of Embedded Systems Information Theory and Coding Automation in VLSI Design Optimization Techniques Intelligent Control					
<b>Total Theory</b>			<b>6</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>6</b>
B. Sessional							
1	CSEN6195	Dissertation – Phase I	0	0	20	20	10
<b>Total Semester</b>			<b>6</b>	<b>0</b>	<b>20</b>	<b>26</b>	<b>16</b>

Smilpi Saha  
Ajay Bhattacharya  
Member

  
HOD

  
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# HERITAGE INSTITUTE OF TECHNOLOGY

TIME TABLE

<ECE>

M. Tech 2nd Year 1st Semester

SESSION: 2023-2024

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	PROJECT/ECEN6195/ICT601				PROJECT/ECEN6195/ICT601					
TUE	PROJECT/ECEN6195/ICT601				L/ECEN6125/SM/ICT613	LIBRARY	MENTORING/ICT613			
WED	PROJECT/ECEN6195/ICT601				PROJECT/ECEN6195/ICT601					
THU	PROJECT/ECEN6195/ICT601				L/ECEN6132/SSB/ICT613	L/ECEN6125/SM/ICT613				
FRI	MENTORING/ICT613	L/ECEN6132/SSB/ICT613			PROJECT/ECEN6195/ICT601					

To be Effective from 17.07.2023

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# HERITAGE INSTITUTE OF TECHNOLOGY

TIME TABLE

<ECE>

M. Tech 2nd Year 1st Semester

SESSION: 2023-2024

## Faculty Details:

## TA Details:

INITIALS	FULLNAME	DEPT	INITIALS	FULLNAME	DEPT
SM	SUSOVAN MANDAL	ECE			
SSB	SHIB SANKAR BHOWMICK	ECE			

To be Effective from July, 2023

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# HERITAGE INSTITUTE OF TECHNOLOGY

TIME TABLE

<ECE>

M. Tech 2nd Year 1st Semester

SESSION: 2023-2024

COURSE STRUCTURE:

2<sup>nd</sup> Year, Semester I

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

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

To be Effective from July, 2023

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# HERITAGE INSTITUTE OF TECHNOLOGY

TIME TABLE

<(VLSI)>

M. Tech Year 3RD Semester

SESSION: 2023-2024

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	PROJECT/VLSI6195/ICT602				PROJECT/VLSI6195/ICT602					
TUE	PROJECT/VLSI6195/ICT602				PROJECT/VLSI6195/ICT602					
WED	PROJECT/VLSI6195/ICT602				L/VLSI6132/KM/ICT615					
THU	PROJECT/VLSI6195/ICT602				LIBRARY	MENTORING/ICT 614				
FRI		L/VLSI6132/KM/ICT615	MENTORING/ICT 614		PROJECT/VLSI6195/ICT602					

To be Effective from 17.07.2023

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# HERITAGE INSTITUTE OF TECHNOLOGY

TIME TABLE

<(VLSI)>

M. Tech Year 3RD Semester

SESSION: 2023-2024

Faculty Details:

TA Details:

INITIALS	FULLNAME	DEPT	INITIALS	FULLNAME	DEPT
KM	KASTURI MUKHERJEE	ECE			

To be Effective from 17.07.2023

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

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# HERITAGE INSTITUTE OF TECHNOLOGY

TIME TABLE

<(VLSI)>

M. Tech Year 3RD Semester

SESSION: 2023-2024

COURSE STRUCTURE:

## 2<sup>nd</sup>. Year, Semester I

A. Theory								
Sl. No.	Course Type	Code	Course Title	Contact Hours/Week				Credits
				L	T	P	Total	
1	Professional Elective PE-5	VLSI6131	Nano materials and Nano Technology	3	0	0	3	3
		VLSI6132	RF IC Design and MEMS					
2	Open Elective	MATH6121	Optimization Techniques	3	0	0	3	3
		CSEN6121	Business Analytics					
		ECEN 6125	Design and Technology for Photonic Integrated Circuit					
		AEIE6123	Intelligent Control					
Total of Theory				6	0	0	6	6
B. Sessional								
1	Dissertation	VLSI6195	Dissertation Phase I	0	0	20	20	10
Total of Semester				6	0	20	26	16

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