

HERITAGE INSTITUTE OF TECHNOLOGY
TIME TABLE
DEPARTMENT OF APPLIED ELECTRONICS & INSTRUMENTATION ENGINEERING

B. Tech. 1st Year 1st Semester

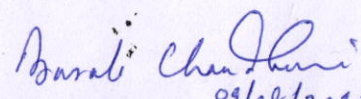
Session 2022 – 2023

DAY	Group	9.00AM– 9.55AM	9.55AM– 10.50AM	10.50AM– 11.45AM	11.45AM – 12.25PM	12.25PM– 1.20PM	1.20PM– 2.15PM	2.15 PM – 3.10PM	3.10 PM – 4.05PM	4.05PM– 5.00PM	5.00PM– 5.55PM
MON	Gr1	L/MATH1101 /SG/ICT105	L/CHEM1001 /AM/ICT105	L/HMTS1011/AB C/ICT105	B R E A K	L/MATH1101 VB/ICT105	Remedial Class/ICT105	Soft Skill CMM/ CB616	LAB/HMTS1061 /GR1/SPR/SMCME007		
	Gr2										
TUE	Gr1	L/HMTS101 SD/ICT105	L/ELEC1001 /SM/ICT105	T1/MECH1052 /ABS/ICT105		T1/CHEM1001 / SB/ICT105 T2/ELEC1001 /NC/ICT109	L/HMTS1011 /KGT/ICT105	T1/ELEC1001 /NC/ICT105	LAB/ELEC1051/GR2/AH/ TDK+RDC+BM/CME415		
	Gr2			T2/MECH1052 /RM/ICT108				T2/CHEM1001 / AM/ICT108			
WED	Gr1	L/ELEC1001 /SM/ICT105	L/CHEM1001 / AA/ICT105	T1/MATH1101 /TBA/ICT105		LAB/ELEC1051/GR1/AK/ TDK+SBH+AS/CME408		Library			
	Gr2					LAB/CHEM1051/GR2/ AA/AKM/ CB101					
THU	Gr1	L/CHEM1001 / SB/ICT105	L/MATH1101 /AP/ICT105	L/ELEC1001 /NC/ICT105				Mentoring /ICT105			
	Gr2					T2/MATH1101 /TBA/ICT108	LAB/HMTS1061/GR2/KGT/SM/ CME007				
FRI	Gr1	LAB/CHEM1051/GR1/ED/SKM / CB102				LAB/MECH1052/GR1/RM/SG/CME214					
	Gr2	LAB/MECH1052/GR2/DB/STR/CME214				BREAK	Library				

To be Effective from the date of commencement of B. Tech First Year classes
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

DEPARTMENT OF APPLIED ELECTRONICS & INSTRUMENTATION ENGINEERING

B.Tech 1st Year 1st Semester

Session 2022 – 2023

Initial	FullName	Department
CMM	Mr.Clayton M. Moses	Admin
ABC	Prof. (Dr.) Aditi Bhunia Chacraborty	Humanities
SM	Mrs.Samanwita Mukherjee	
KGT	Prof. (Dr.) KasturiGuhaThakurta	
SPR	Prof .SaptaparnaRoy	
SD	Prof. Sindhur Dutta	
AM	Prof. (Dr.) AbhijitMandal	Chemistry
AA	Prof. (Dr.) AnandalokAudhya	
ED	Prof. (Dr.) EnakshiDinda	
SB	Prof. Sayantani Bhattacharya	
AKM	Mr.Arun Kumar Mukherjee	
SKM	Mr.Soumitra Kumar Mandal	Mathematics
SG	Prof. (Dr.) Souvik Ghosh	
AP	Prof. (Dr.) Ashesh Paul	
VB	Prof. Venu Bihani	
TBA	To Be Announced	
SM	Prof. Sudipta Mitra	Electrical Engineering
SBS	Prof. Suvabrata Shil	
NC	Prof. Nabanita Chatterjee	
AH	Prof. Amitava Hatial	
AK	Prof. Anirban Kolay	
RDC	Mrs.Rupali Dey Chatterjee	
TDK	Mrs.Tapasi Das Kundu	
SBH	Mr.Swaraj Bondhu Hari	
BM	Mr.Biswajyoti Mukherjee	
AS	Mrs. Asmita Saha	
ABS	Prof. Amalendu Biswas	Mechanical Engineering
RM	Prof. Ritwik Mandal	
DB	Prof. Debiprasad Banerjee	
SG	Mr. SUDIPTO GOSWAMI	
STR	Mr.SAYANTAN RUDRA	

Ashish
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HERITAGE INSTITUTE OF TECHNOLOGY
TIME TABLE
DEPARTMENT OF APPLIED ELECTRONICS & INSTRUMENTATION ENGINEERING

B.Tech 1st Year 1st Semester

Session 2022 – 2023

Course Structure:

B. Tech 1 st year 1 st Semester Syllabus								
Theory								
Sl. No	Category	Code	Course Title	Contact hrs/wk				Credit Points
				L	T	P	Total	
1	Basic Science Courses	CHEM1001	Chemistry-I	3	1	0	4	4
2	Basic Science Courses	MATH1101	Mathematics-I	3	1	0	4	4
3	Engineering Science Courses	ELEC1001	Basic Electrical Engineering	3	1	0	4	4
Total Theory				9	3	0	12	12
Laboratory								
Sl. No	Category	Code	Course Title	Contact hrs/wk				Credit Points
				L	T	P	Total	
1	Basic Science Courses	CHEM1051	Chemistry Lab	0	0	3	3	1.5
2	Engineering Science Courses	ELEC1051	Basic Electrical Engineering Lab	0	0	2	2	1
3	Engineering Science Courses	MECH1052	Engineering Graphics & Design	1	0	4	5	3
Total Laboratory				1	0	9	10	5.5
Total of Semester without Honours Course				10	3	9	22	17.5
Sl. No	Category	Code	Course Title	Contact hrs/wk				Credit Points
				L	T	P	Total	
Theory								
1	Hons. Courses	HMTS1011	Communication for Professionals	3	0	0	3	3
Laboratory								
1	Hons. Courses	HMTS1061	Advanced Language lab	0	0	2	2	1
Total of Semester				3	0	2	5	4
Total of Semester with Honours Course				13	3	11	27	21.5


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DEPARTMENT OF APPLIED ELECTRONICS & INSTRUMENTATION ENGINEERING

B. Tech 2nd Year 1st Semester

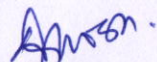
Session 2022 – 2023

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 – 1.10 PM	1.20 PM – 2.10 PM	2.15 PM – 3.05 PM	3.10 PM – 4.05 PM	4.05 PM – 5.00 PM	5.00 PM – 5.50 PM
MON	Gr.1	L/AEIE2101/ SJB/ICT008	L/AEIE2102/ PPS/ICT008	L/HMTS2001 / KM/ICT008	BREAK	Remedial Class/ ICT008	T1/MATH200 1/SD/ICT008	L/AEIE2111/ AMS/ICT008			
	Gr.2										
TUE	Gr.1	LAB/AEIE2153/SKD+IN/ HP+SBJ/ICT102				L/MATH2001 /SB/ICT008	L/AEIE2111/ AMS/ICT008	LAB/ AEIE2152/PPS+SMC /SJD+BM/ICT005			
	Gr.2	LAB/AEIE2151/SJB+PPS/BM+SJD/CB201						LAB/ AEIE2153/SKD+IN /HP+SKB/ICT102			
WED	Gr.1	L/AEIE2103/ SKD/ICT008	L/HMTS2001/ KM/ICT008	L/MATH2001 /AP/ICT008		L/AEIE2101/ SJB/ICT008	L/AEIE2102/ PPS/ICT008	Remedial Class/ ICT105	Mentoring/ ICT105		
	Gr.2										
THU	Gr.1	L/AEIE2111/ AMS/ICT008	L/AEIE2103/S KD/ICT008	L/AEIE2102/ PPS/ICT008		L/AEIE2101/ SJB/ICT008	RL/AEIE2103 /SKD/ICT008				
	Gr.2								T2/MATH200 1/SD/ICT008		
FRI	Gr.1	L/AEIE2111/ AMS/ICT008	L/AEIE2103/S KD/ICT008	L/MATH2001 /MP/ICT008		L/AEIE2102/ PPS/ICT008	L/HMTS2001/ KM/ICT008	LAB/AEIE2151/SJB+IN/BM+SBJ/CB201			
	Gr.2							LAB/ AEIE2152/PPS+SMC /SJD+SKB/ICT005			

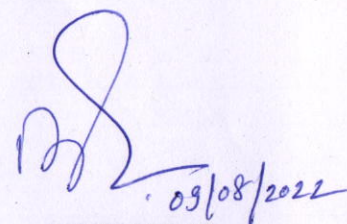
To be Effective from 12th August 2022

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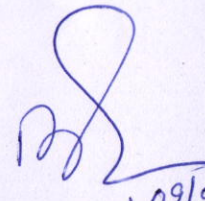
B.Tech 2nd Year 1st Semester

Session 2022 – 2023

INITIAL	FULLNAME	DEPARTMENT
SJB	Prof. (Dr.) Surajit Bagchi	Applied Electronics and Instrumentation Engineering
SKD	Prof. (Dr.) Soumik Das	
PPS	Prof. (Dr.) Pradip Saha	
IN	Prof. Indrajit Naskar	
AMS	Prof. Arindam Sarkar	
SMC	Prof. Samik Chakraborty	
SJD	Mr. Sujoy Kr. Das	
SBJ	Mrs. Suparna Banerjee	
BM	Mrs. Bibhash Maikap	
SKB	Mr. Sumit Kr. Bakshi	
HP	Mrs. Harapriya Panda	
KM	Mr. Koushik Mazumder	
SD	Prof. (Dr.) Somjit Dutta	Mathematics
AP	Prof. (Dr.) Ashesh Paul	
SB	Prof. (Dr.) Samarpita Bhattacharya	
MP	Prof. Madhumita Pramanik	
KM	Prof. Koyel Mallick	Humanities


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TIME TABLE
DEPARTMENT OF APPLIED ELECTRONICS & INSTRUMENTATION ENGINEERING

B.Tech 2nd Year 1st Semester

Session 2022 – 2023

Course Structure:

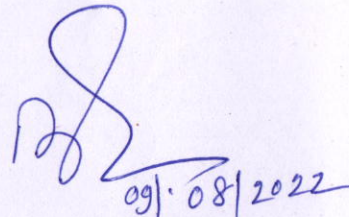
Heritage Institute of Technology
Department of Applied Electronics & Instrumentation Engineering

2nd Year 1st Semester Course Structure								
Theory								
Sl. No	Category	Code	Course Title	Contact hrs/wk				Credit Points
				L	T	P	Total	
1	Basic Science Courses	MATH2001	Mathematical Methods	4	0	0	4	4
2	Core Subject Courses	AEIE2101	Analog Electronic Circuits	3	0	0	3	3
3	Core Subject Courses	AEIE2102	Sensors & Transducers	4	0	0	4	4
4	Core Subject Courses	AEIE2103	Circuit Theory and Network Analysis	3	0	0	3	3
5	Humanities & Social Sciences including Management courses	HMIS2001	Human Values and Professional Ethics	3	0	0	3	3
Total Theory				17	0	0	17	17
Laboratory								
Sl. No	Category	Code	Course Title	Contact hrs/wk				Credit Points
				L	T	P	Total	
1	Core Subject Courses	AEIE2151	Analog Electronics Lab	0	0	3	3	1.5
2	Core Subject Courses	AEIE2152	Sensors & Transducers Lab	0	0	2	2	1
3	Core Subject Courses	AEIE2153	Circuit and Network Lab	0	0	2	2	1
Total Laboratory				0	0	7	7	3.5
Total of Semester				17	0	7	24	20.5

Sl. No	Category	Code	Course Title	Contact hrs/wk				Credit Points
				L	T	P	Total	
Theory								
1	Hons. Courses	AEIE2111	Material Science and Technology	4	0	0	4	4


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DEPARTMENT OF APPLIED ELECTRONICS & INSTRUMENTATION ENGINEERING

B.Tech 3rd Year 1st Semester

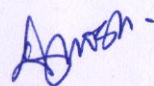
Session 2022 – 2023

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 – 1.15 PM	1.20 PM – 2.10 PM	2.15 PM – 3.10 PM	3.10 PM – 4.05 PM	4.05 PM – 4.55 PM	5.00 PM – 5.55 PM
MON	Gr.1	L/ AEIE3104 /SMC/ICT004	LAB/AEIE3153/SAM+DMG/ KM+SMP/ICT002		BREAK	L/ AEIE3103 /SAM/ ICT004	L/ AEIE3111 /DC/ ICT004				
	Gr.2		LAB/AEIE3152/AMS+AP /SKB+HP/CB201								
TUE	Gr.1	L/ AEIE3111 /DC/ ICT004	L/ AEIE3103 /SAM/ ICT004	L/ AEIE3102 /AMS/ ICT004		L/AEIE3131/ RSG/ICT004 L/AEIE3132/ IN/ICT108	L/ AEIE3101 /AKB/ ICT004	LAB/AEIE3151/AKB+RSG /SMP+SBJ/ICT103			
	Gr.2										
WED	Gr.1	L/ AEIE3101 /AKB/ ICT004	L/ AEIE3104 /SMC/ICT004	L/ AEIE3103 /SAM/ ICT004		L/ AEIE3102 /AMS/ ICT004	Remedial ICT004	LAB/AEIE3152/AMS+SKD /SKB+HP/CB201			
	Gr.2							LAB/AEIE3153/SAM+DMG /KM+SMP/ICT002			
THU	Gr.1	L/ AEIE3111 /PPS/ICT004	L/ AEIE3103 /SAM/ ICT004	L/ AEIE3102 /AMS/ ICT004		L/ AEIE3101 /AKB/ ICT004	L/AEIE3131/ RSG/ICT004 L/AEIE3132/ IN/ICT108	Mentoring/ ICT004			
	Gr.2										
FRI	Gr.1	L/ AEIE3104 /SMC/ICT004	L/ AEIE3111 /PPS/ ICT004	L/AEIE3131/ RSG/ICT004 L/AEIE3132 /IN/ICT108		L/ AEIE3101 /AKB/ ICT004	Remedial ICT004				
	Gr.2							LAB/AEIE3151/AKB+RSG /SMP+HP/ICT103			

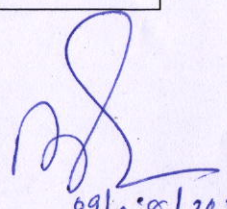
To be Effective from 12th August 2022

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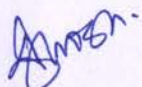

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HERITAGE INSTITUTE OF TECHNOLOGY
TIME TABLE
DEPARTMENT OF APPLIED ELECTRONICS & INSTRUMENTATION ENGINEERING

B.Tech 3rd Year 1st Semester

Session 2022 – 2023

INITIAL	FULLNAME	DEPARTMENT
SKD	Prof. (Dr.) Soumik Das	Applied Electronics & Instrumentation Engineering
SAM	Prof. Samiul Alam	
IN	Prof. Indrajit Naskar	
SMC	Prof. Samik Chakraborty	
AKB	Prof. (Dr.) Anil Kr Bag	
PPS	Prof. (Dr.) Pradip Saha	
DC	Prof. (Dr.) Debjyoti Chowdhury	
RSG	Prof. Reshma Sengupta	
DMG	Prof. Damayanti Ghosh	
AMS	Prof. Arindam Sarkar	
AP	Prof. (Dr.) Arabinda Kumar Pal	
SJD	Mr. Sujoy Kr. Das	
SKB	Mr. Sumit Kr. Bakshi	
HP	Mrs. Harapriya Panda	
SMP	Mrs. Sampa Paul	
BM	Mr. Bibhas Maikap	
KM	Mr. Koushik Mazumder	
SBJ	Mrs. Suparna Banerjee	


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DEPARTMENT OF APPLIED ELECTRONICS & INSTRUMENTATION ENGINEERING

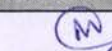
B.Tech 3rd Year 1st Semester

Session 2022 – 2023

Course Structure

3rd Year 1st Semester Course Structure								
Theory								
SL No	Category	Code	Course Title	Contact hrs/wk				Credit Points
				L	T	P	Total	
1	Core Subject Courses	AEIE3101	Process Control	4	0	0	4	4
2	Core Subject Courses	AEIE3102	Power Electronics & Drives	3	0	0	3	3
3	Core Subject Courses	AEIE3103	Microprocessors & Microcontrollers	4	0	0	4	4
4	Core Subject Courses	AEIE3104	Fundamentals of Digital Signal Processing	3	0	0	3	3
5	Program Electives Courses - I	AEIE3131/ AEIE3132/ AEIE3133	Communication Techniques/ Non Conventional Energy Sources / Advanced Sensors	3	0	0	3	3
Total Theory				17	0	0	17	17
Laboratory								
SL No	Category	Code	Course Title	Contact hrs/wk				Credit Points
				L	T	P	Total	
1	Core Subject Courses	AEIE3151	Process Control Lab	0	0	3	3	1.5
2	Core Subject Courses	AEIE3152	Power Electronics & Drives Lab	0	0	2	2	1
3	Core Subject Courses	AEIE3153	Microprocessors & Microcontrollers Lab	0	0	2	2	1
Total Laboratory				0	0	7	7	3.5
Total of Semester without Honours Course				17	0	7	24	20.5
Honours								
SL No	Category	Code	Course Title	Contact hrs/wk				Credit Points
				L	T	P	Total	
1	Honours	AEIE3111	Introduction to Mechatronics	4	0	0	4	4
Total of Semester with Honours Course				21	0	7	28	24.5


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HERITAGE INSTITUTE OF TECHNOLOGY
TIME TABLE
DEPARTMENT OF APPLIED ELECTRONICS & INSTRUMENTATION ENGINEERING

B. Tech 4th Year 1st Semester

Session 2022 – 2023

DAY	9.00 AM – 9.55AM	9.55 AM – 10.45AM	10.50 AM – 11.45AM	11.45 AM – 12.25 PM	12.25 PM – 1.20 PM	1.20 PM – 2.10PM	2.15 PM – 3.10 PM	3.10 PM – 4.05PM	4.05 PM – 5.00 PM	5.00 PM – 5.55 PM
MON	Remedial ICT108	L/AEIE4131 /AKB/ ICT004	L/HMTS410 1/SS/ICT004	BREAK	L/BIOT4124/SDE/CB417 L/CSEN4121/SDB /ICT204 L/INFO4121/DPM /CME505	L/CHEN4126/SB/SWB/CB419 L/CSEN4126/RNM/ICT410 L/MATH4126/AP/ICT308 L/MECH4130/SB/CB217				
TUE	L/AEIE4132/ AP/ICT008	L/HMTS410 1/SS/ICT008	L/AEIE4111 /MC/ICT008		AEIE4195/All Faculty /SBJ+HP/ICT001+ICT102		Mentoring/ ICT004			
WED	AEIE4195/All Faculty/ SBJ+BM/ICT001+ICT102				L/BIOT4124/SHD/CB417 L/CSEN4121/SDB /ICT204 L/INFO4121/DPM /CME505	L/CHEN4126/SB/SWB/CB419 L/CSEN4126/RNM/ICT 105 L/MATH4126/AP/ICT308 L/MECH4130/AM/CME208	L/AEIE4131/ AKB/ICT004 L/AEIE4132/ AP/ICT008	L/AEIE4132 /AP/ICT008		
THU	AEIE4195/All Faculty/ SBJ+SJD/ICT001+ICT102				L/AEIE4111/MC/ICT105	L/AEIE4111/MC/ICT105	Remedial ICT105			
FRI	L/AEIE4131/ AKB/ICT105	L/AEIE4111 /MC/ICT105	L/HMTS410 1/D/ICT105		L/BIOT4124/SHD/CB417 L/CSEN4121/SDB /ICT204 L/INFO4121/DPM /CME505	L/CHEN4126/SB/SWB/CB419 L/CSEN4126/RNM/ICT105 L/MATH4126/VB/ICT308 L/MECH4130/SB/CME208				

To be Effective from 12nd August 2022

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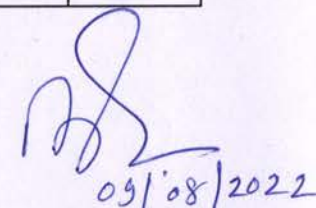
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B.Tech 4th Year 1st Semester

Session 2022 – 2023

INITIAL	FULLNAME	DEPARTMENT
MC	Prof.(Dr.) Madhurima Chattopadhyay	Applied Electronics & Instrumentation Engineering
AP	Prof. (Dr.) Arabinda Kumar Pal	
AKB	Prof. (Dr.) .Anil Kr Bag	
SJD	Mr.Sujoy Kr. Das	
SKB	Mr. Sumit Kr. Bakshi	
HP	Mrs.Harapriya Panda	
SMP	Mrs.Sampa Paul	
BM	Mr.Bibhas Maikap	
KM	Mr.Koushik Mazumder	
SBJ	Mrs. Suparna Banerjee	
AP	Prof. Dr. Ashesh Paul	Mathematics
VB	Prof. Venu Bihani	Humanities
ID	Prof. Indrani De	
SS	Prof. Saibal Sen	Bio Technology
SDE	Prof. Sudipta Dey Bandyopadhyay	
SHD	Prof. Sonali Hazra Das	Information Technology
DPM	Prof. Deep Malya Mukhopadhyay	Chemical
SWB	Prof. (Dr.) Swami Vedajnananda	
SB	Prof. (Dr.) Sangita Bhattacharjee	Mechanical
AM	Prof. (Dr.) Arindam Mandal	
SB	Prof. (Dr.) Sumanta Banerjee	Computer Science and Engineering
SDB	Prof. Satabdi Barman	
RNM	Prof. Rudra Nath Mitra	


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TIME TABLE
DEPARTMENT OF APPLIED ELECTRONICS & INSTRUMENTATION ENGINEERING

B. Tech 4th Year 1st Semester

Session 2022 – 2023

Course Structure:

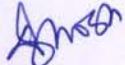
4th Year 1st Semester Course Structure								
Theory								
Sl. No	Category	Code	Course Title	Contact hrs/wk				Credit Points
				L	T	P	Total	
1	Humanities & Social Sciences including Management courses	HMTS4101	Principles of Management	3	0	0	3	3
2	Program Electives Courses - III	AEIE4131/ AEIE4132/ AEIE4133	Analytical Instrumentation/ Soft Computing/ Non Destructive Testing	3	0	0	3	3
3	Open Electives Courses - II		OE-02	3	0	0	3	3
4	Open Electives Courses -III		OE-03	3	0	0	3	3
Total Theory				12	0	0	12	12
Sessional								
Sl. No	Category	Code	Course Title	Contact hrs/wk				Credit Points
				L	T	P	Total	
1	Industrial Training	AEIE4191	Industrial Training Evaluation	0	0	0	0	2
2	Project Stage I	AEIE4195	Project I	0	0	8	8	4
Total Sessional				0	0	8	8	6
Total of Semester without Honours Course				12	0	8	20	18
Honours								
Sl. No	Category	Code	Course Title	Contact hrs/wk				Credit Points
				L	T	P	Total	
1	Honours	AEIE4111	Introduction to MEMS	4	0	0	4	4
Total of Semester with Honours Course				21	2	13	28	22

Open Electives basket II & basket III for AEIE B. Tech students:

Open Electives	Semester	Paper Code	Paper Name
Open Electives II	VII	ECEN4121	Software Defined Radio
		ECEN4123	Error Control Coding for Secure Data Transmission
		BIOT4124	Biosensor
		CSEN4121	Fundamentals of Operating Systems
		MATH4121	Methods in Optimization
Open Electives III	VII	ECEN4125	Ad Hoc Wireless Networks
		INFO4121	Fundamentals of Cloud Computing
		CHEN4123	Industrial Total Quality Management
		MATH4122	Advanced Linear Algebra
		CSEN4126	Intelligent Web and Big Data

Open Electives to be offered by Dept. of AEIE:

Open Electives	Semester	Paper Code	Paper Name
Open Electives II	VII	AEIE4121	Instrumentation and Telemetry
		AEIE4122	Linear Control Systems and Applications
Open Electives III	VII	AEIE4126	Optical Instrumentation
		AEIE4127	Introduction to Embedded Systems


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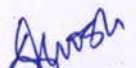
HERITAGE INSTITUTE OF TECHNOLOGY
TIME TABLE
DEPARTMENT OF APPLIED ELECTRONICS & INSTRUMENTATION ENGINEERING

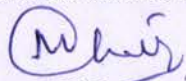
M. Tech. 1st Year 1st Semester

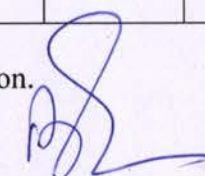
SESSION: 2022 - 2023

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	Remedial ICT110	AEIE5101 SG ICT110	AEIE5101 SG ICT110	BREAK	Remedial ICT110	LAB/AEIE5151/ SMC+SG/SMP ICT101				
TUE	Remedial ICT110	AEIE5101 SG ICT110	AEIE5102 DC ICT110		AEIE5133 DMG ICT110	AEIE5133 DMG ICT110				
WED	Remedial ICT110	AEIE5141 MC ICT110	AEIE5141 MC ICT110		LAB/AEIE5152/ DC/SJD ICT 101					
THU	Remedial ICT110	AEIE5102 DC ICT110	AEIE5102 DC ICT110		AEIE5133 DMG ICT110	AEIE5103 AP ICT110				
FRI	Remedial ICT110	DIMA5116 SR/ICT211			AEIE5141 MC ICT110	AEIE5103 AP ICT110				

To be Effective from the date of commencement of M. Tech First Year classes
A minimum of 75% attendance is mandatory for being eligible to sit for the Semester Examination.
Students should target 100% attendance


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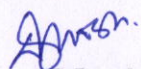
09/08/2022

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DEPARTMENT OF APPLIED ELECTRONICS & INSTRUMENTATION ENGINEERING

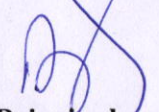
M. Tech. 1st Year 1st Semester

SESSION: 2022 - 2023

INITIAL	FULLNAME	DEPARTMENT
MC	Dr. Madhurima Chattopadhyay	Applied Electronics & Instrumentation Engineering
SG	Dr. Santanu Ghorai	
AP	Dr. Arabinda Kumar Pal	
SMC	Prof. Samik Chakraborty	
DMG	Prof. Damayanti Ghosh	
DC	Dr. Debjyoti Chowdhury	
SJD	Mr. Sujoy Kr. Das	
SMP	Mrs. Sampa Maity (Paul)	
SR	Dr. Siuli Roy	Information Technology


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DEPARTMENT OF APPLIED ELECTRONICS & INSTRUMENTATION ENGINEERING

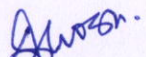
M. Tech. 1st Year 1st Semester

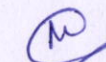
SESSION: 2022 - 2023

Course Structure

1st Year 1st Semester Syllabus:

Course Type	Course Code	Course Name	Contact Hrs Per Week				Credit Points
			L	T	P	Total	
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/	Elective-I					
	AEIE5132/	(1) Micro-Electronic Devices and Circuits	3	0	0	3	3
	AEIE5133	(2) Medical Instrumentation					
Prog. Specific Elective	AEIE5141/	Elective-II					
	AEIE5142/	(1) Mechatronics	3	0	0	3	3
	AEIE5143	(2) Advanced Digital Control System (3) Advanced Optical Instrumentation					
LAB	AEIE5151	Digital Signal Processing LAB	0	0	4	4	2
	AEIE5152	Programming Language LAB	0	0	4	4	2
Aud 1* - Any one subject from the course list	DIMA5116	Disaster Management					
	INCO5117	Constitution of India					
	PDL5118	Personality Development through Life Enlightenment Skills	2	0	0	2	0
	YOGA5119	Stress Management by Yoga					
	SANS5120	Sanskrit for Technical Knowledge					
Total			16	0	8	24	18


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HERITAGE INSTITUTE OF TECHNOLOGY
TIME TABLE
DEPARTMENT OF APPLIED ELECTRONICS & INSTRUMENTATION ENGINEERING

M. Tech. 2nd Year 1st Semester

SESSION: 2022 – 2023

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/AEIE6121/ ICT101			BREAK							
TUE	Project/AEIE6121/ ICT101					L/ AEIE6121 /SAM/ICT 109					
WED	Project/AEIE6121/ ICT101				L/ AEIE6134/ SG/ICT110	L/AEIE6121 /SAM/ICT110					
THU	Project/AEIE6121/ ICT101				Project/AEIE6121/ ICT101						
FRI	Remedial ICT109	L/AEIE6134/ SG/ICT110			Project/AEIE6121/ ICT101						

To be Effective from 12th August 2022

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

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: 2022 - 2023

INITIAL	FULLNAME	DEPARTMENT
SG	Dr. Santanu Ghorai	Applied Electronics & Instrumentation Engineering
SAM	Prof. Samiul Alam	


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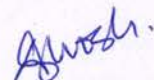
HERITAGE INSTITUTE OF TECHNOLOGY
TIME TABLE
DEPARTMENT OF APPLIED ELECTRONICS & INSTRUMENTATION ENGINEERING

M. Tech. 2nd Year 1st Semester

SESSION: 2022 - 2023

Course Structure

Course Type	Course Code	Course Name	Contact Hrs Per Week				Credit Points
			L	T	P	Total	
Prog. Specific Elective	AEIE6131/ AEIE6132/ AEIE6133 AEIE6134	Elective-V (1) Micro-Electromechanical System Design (2) VLSI Technology (3) Robotics Engineering (4) Remote Sensing	3	0	0	3	3
Open Elective* (Any one subject from the course list)	AEIE6121/ AEIE6122/ CSEN6121/ CSEN6122/ MATH6121	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
Major Project	AEIE6195	Dissertation Phase I	0	0	20	20	10
		Total	6	0	20	26	16


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