

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

B. 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 – 12.25PM	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	5.00PM – 5.55PM	
MON	Gr1	Remedial Class ICT105	L/CHEM1001/ RRC/ICT105	T1/MATH1101 DC/ICT105	B R E A K	L/MATH1101 SC/ICT105	Life Skill/ BB/ICT105	Library	LAB/HMTS1061/GR1 /MDC/SM/CME007			
	Gr2											
TUE	Gr1	L/HMTS1011/ KGT/ ICT105	L/ELEC1001/ SBS/ICT105	T1/MECH1052/ SKS/ICT105		L/HMTS1011 /KGT/ICT105	T1/CHEM1001 PP/ICT105	T1/ELEC1001 AK/ICT105				
	Gr2			T2/MECH1052 /SSP /ICT108					T2/ELEC1001 SBS/ICT109	T2/CHEM1001 AA/ICT108	LAB/ELEC1051/GR2/AK/CME 415	
WED	Gr1	L/ELEC1001 SBS/ICT105	L/CHEM1001 AM/ICT105	L/MATH1101 SB/ICT105		LAB/ELEC1051/GR1/SBS/CME 415			Soft Skill CMM CB616	L/HMTS1011/ SPR/ICT105		
	Gr2					LAB/CHEM1051/GR2/PP/AKM/CB101						
THU	Gr1	L/CHEM1001 TBA/ICT105	L/MATH1101 VB/ICT105	L/ELEC1001 AK/ICT105					Library			
	Gr2					T2/MATH1101 DC/ICT108	LAB/HMTS1061/GR2/KGT/SM CME007					
FRI	Gr1	LAB/CHEM1051/GR1 AA/SKM/CB102				LAB/MECH1052/GR1/RM/SP/CME214						
	Gr2	LAB/MECH1052/GR2/AM/RR/CME 214				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.
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DEPARTMENT OF APPLIED ELECTRONICS & INSTRUMENTATION ENGINEERING

B.Tech 1st Year 1st Semester

Session 2021 – 2022

Initial	Full Name	Department
BB	Dr. Banhishikha Bhattacharya	Life Skill
CMM	Mr. Clayton M. Moses	Soft Skill
MDC	Dr. Madhumita Das Chanda	Humanities
SM	Samanwita Mukherjee	
KGT	Dr.Kasturi Guha Thakurta	
SPR	Prof.Saptaparna Roy	
AM	Dr. Abhijit Mandal	Chemistry
RRC	Dr. Ruma Roy Choudhury	
PP	Dr. Piyali Paul	
AA	Dr. Anandalok Audhya	
TBA	To Be Appointed	
AKM	Mr. Arun Kumar Mukherjee	
SM	Mr. Soumitra Mandal	
DC	Dipankar Chakraborty	Mathematics
SC	Prof. Dr. Sandip Chatterjee	
VB	Prof. Venu Bihani	
SB	Dr. Samarpita Bhattacharya	
AK	Mr. Anirban Kolay	Electrical Engineering
SBS	Mr. Suvabrata Sil	
SKS	Mr. Sukanta Saha	Mechanical Engineering
SSP	Dr. Suswagata Poria	
RM	Mr. Ritwik Mandal	
AM	Dr. Arindam Mandal	
RR	Mr. Ritesh Rroy	
SP	Mr. Sanjay Pramanik	

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TIME TABLE
DEPARTMENT OF APPLIED ELECTRONICS & INSTRUMENTATION ENGINEERING

B.Tech 1st Year 1st Semester

Session 2021 – 2022

Course Structure:

B. Tech 1st year 1st 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 2021-2022

DAY	Group	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 PM	
MON	Gr.1	L/AEIE2103/SJB/ICT008	L/AEIE2102/RSG/ICT008	Remedial Class/ICT108	BREAK	L/HMSTS2001/KM/ICT008	L/MATH2001/SD/ICT008	L/AEIE2111/SKD/ICT008				
	Gr.2											
TUE	Gr.1	LAB/AEIE2153/SJB+AP/SKB+SBJ/ICTB09					T1/MATH2001/TBA/ICT008	L/AEIE2101/PPS/ICT008	LAB/ AEIE2152/SMC+DMG/SMP+BM/ICT005			
	Gr.2	LAB/AEIE2151/PPS+IN/HP+KM/ICT001								LAB/ AEIE2153/SJB+IN/SKB+KM/ICTB09		
WED	Gr.1	L/AEIE2102/RSG/ICT008	L/HMSTS2001/KM/ICT008	L/MATH2001/MP/ICT008			L/AEIE2101/PPS/ICT008	L/AEIE2102/RSG/ICT008	Remedial Class/ICT008			
	Gr.2											
THU	Gr.1		L/AEIE2103/SJB/ICT008									
	Gr.2	L/AEIE2102/RSG/ICT008					L/AEIE2111/SKD/ICT008	L/HMSTS2001/KM/ICT008	T2/MATH2001/TBA/ICT105	LAB/ AEIE2152/SMC+RSG/SMP+BM/ICT005		
FRI	Gr.1	L/AEIE2111/SKD/ICT008	L/AEIE2101/PPS/ICT008	L/MATH2001/MS/ICT008		LAB/AEIE2151/PPS+AP/BM+KM/ICT001						
	Gr.2											

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

B.Tech 2nd Year 1st Semester

Session 2021 – 2022

INITIAL	FULLNAME	DEPARTMENT
SJB	Dr.Surajit Bagchi	Applied Electronics and Instrumentation Engineering
SKD	Dr.Soumik Das	
DMG	Damayanti Ghosh	
PPS	Dr.Pradip Saha	
SMC	Samik Chakraborty	
AP	Dr.Arabinda Kumar Pal	
RSG	Reshma Sengupta	
IN	Indrajit Naskar	
SJD	Sujoy Kr. Das	
SBJ	Suparna Banerjee	
BM	Bibhash Maikap	
SKB	Sumit Kr. Bakshi	
HP	Harapriya Panda	
KM	Koushik Mazumder	
SD	Somjit Dutta	Mathematics
MS	Moulipriya Sarkar	
MP	Moumita Pramanik	
KM	Prof.Koyel Mallick	Humanities

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

B.Tech 2nd Year 1st Semester

Session 2021 – 2022

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	HMTS2001	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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MON	Gr.1	LAB/AEIE3153/SAM+IN/ SBJ+SMP/ICT002		L/ AEIE3111 /DC/ ICT004	BREAK	L/ AEIE3103 /SAM/ ICT004	L/ AEIE3104 /PPS/ ICT004	Remedial ICT004				
	Gr.2	LAB/AEIE3152/AMS+SKD /HP+SKB/CB201				L/AEIE3131/ SKD/ICT004	L/ AEIE3111 /DC/ ICT004	LAB/AEIE3151/AKB+RSG/ SJD+HP/ICT103				
TUE	Gr.1	L/ AEIE3101 /AKB/ ICT004	L/ AEIE3102 /AMS/ ICT004	L/ AEIE3103 /SAM/ ICT004		L/AEIE3131/ SKD/ICT004	L/ AEIE3111 /DC/ ICT004					
	Gr.2					L/AEIE3132/ IN/ICT108						
WED	Gr.1	L/ AEIE3102 /AMS/ ICT004	L/ AEIE3104 /SMC/ICT004	L/ AEIE3103 /SAM/ ICT004		L/ AEIE3101 /AKB/ ICT004	L/AEIE3131/ SKD/ICT004	LAB/AEIE3152/AMS+SKD /HP+SKB/CB201				
	Gr.2						L/AEIE3132/ IN/ICT108	LAB/AEIE3153/SAM+DMG /SBJ+SJD/ICT002				
THU	Gr.1	L/ AEIE3103 /SAM/ ICT004	L/ AEIE3101 /AKB/ ICT004	L/ AEIE3104 /SMC/ICT004			L/ AEIE3111 /DC/ICT004	Remedial ICT004				
	Gr.2											
FRI	Gr.1	L/ AEIE3102 /AMS/ ICT004	L/ AEIE3111 /DC/ ICT004	L/AEIE3131/ SKD/ICT004	L/ AEIE3101 /AKB/ ICT004							
	Gr.2			L/AEIE3132 /IN/ICT108		LAB/AEIE3151/AKB+RSG /SJD+HP/ICT103						

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TIME TABLE
DEPARTMENT OF APPLIED ELECTRONICS & INSTRUMENTATION ENGINEERING

B.Tech 3rd Year 1st Semester

Session 2021 – 2022

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

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

B.Tech 3rd Year 1st Semester

Session 2021 – 2022

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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DEPARTMENT OF APPLIED ELECTRONICS & INSTRUMENTATION ENGINEERING

B. Tech 4th Year 1st Semester

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 PM	
MON	L/AEIE4132/ AP/ICT004	L/AEIE4131 /AKB/ ICT004	L/HMTS410 1/ID/ICT008	BREAK	L/BIOT4124/SDE/CB216 L/CSEN4121/AG /ICT410 L/INFO4121/UKD /CME416	L/CHEN4126/SB/ICTCME208 L/CSEN4126/TC/ICT410 L/ECEN4127/AC/ICT207 L/MATH4126/VB/CB613 L/MECH4130/BP/CB417					
TUE	Remedial/ ICT008	L/HMTS410 1/ID/ICT008	L/AEIE4111 /MC/ICT008		AEIE4195/All Faculty/KM+SMP/ICT001		L/AEIE4132 /AP/ICT004				
WED	AEIE4195/All Faculty/SKB+KM/ICT001				L/BIOT4124/SHD/ICT105 L/CSEN4121/AG /ICT504 L/INFO4121/UKD /CME505	L/CHEN4126/SWB/CME208 L/CSEN4126/TC/ICT504 L/ECEN4127/AC/ICT105 L/MATH4126/SC/CB613 L/MECH4130/BP/CB417	L/AEIE4131 /AKB/ICT00 4				
THU	AEIE4195/All Faculty/HP+SBJ/ICT001				L/AEIE4111/MC/ICT105	L/AEIE4111/MC/ICT105					
FRI	L/AEIE4131/ AKB/ICT105 L/AEIE4132/ AP/ICT108	L/AEIE4111 /MC/ICT105	L/HMTS410 1/GDG/ICT 105		L/BIOT4124/SHD/CB216 L/CSEN4121/AG /ICT105 L/INFO4121/DPM /CME416	L/CHEN4126/SWB/CME208 L/CSEN4126/TC/ICT105 L/ECEN4127/AC/ICT210 L/MATH4126/SC/CB613 L/MECH4130/BP/CB417					

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

B.Tech 4th Year 1st Semester

Session 2021 – 2022

INITIAL	FULLNAME	DEPARTMENT	
MC	Prof.(Dr.) Madhurima Chattopadhyay	Applied Electronics & Instrumentation Engineering	
AP	Dr.Arabinda Kumar Pal		
AKB	Dr.Anil Kr Bag		
DC	Debjyoti Chowdhury		
SJD	Sujoy Kr. Das		
SKB	Sumit Kr. Bakshi		
HP	Harapriya Panda		
SMP	Sampa Paul		
BM	Bibhas Maikap		
KM	Koushik Mazumder		
SBJ	Suparna Banerjee		
SC	Prof. Dr. Sandip Chatterjee		Mathematics
VB	Prof. Venu Bihani		
ID	Mrs. Indrani De	Humanities	
GDG	Mr. Gautam Das Gupta		
SDE	Prof. Sudipta Dey Bandyopadhyay	Bio Technology	
SHD	Prof. Sonali Hazra Das		
UKD	Prof. Uttam Kumar Dash	Information Technology	
DPM	Prof. Deep Malya Mukhopadhyay		
SWB	Prof. (Dr.) Swami Vedajnananda	Chemical	
SB	Prof. (Dr.) Sangita Bhattacharjee		
BP	Prof. Bankim Pattanayak	Mechanical	
AC	Prof. Ananya Chattopadhyay	Electronics and Communication Engineering	
AG	Prof. Anindita Ghosh	Computer Science and Engineering	
TC	Prof. Tapas Chakraborty		

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HERITAGE INSTITUTE OF TECHNOLOGY
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DEPARTMENT OF APPLIED ELECTRONICS & INSTRUMENTATION ENGINEERING

B. Tech 4th Year 1st Semester

Session 2021 – 2022

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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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	Gr1	Remedial ICT110	AEIE5141 MC ICT110	AEIE5103 SMC ICT110	BREAK	LAB/AEIE5152/ DC/SJD ICT 101						
	Gr2											
TUE	Gr1	Remedial ICT110	AEIE5102 DC ICT110	AEIE5102 DC ICT110		AEIE5103 SMC ICT110	AEIE5101 SG ICT110					
	Gr2											
WED	Gr1	Remedial ICT110	AEIE5101 SG ICT110	AEIE5141 MC ICT110		LAB/AEIE5151/ SG/SMP ICT101						
	Gr2											
THU	Gr1	Remedial ICT110	AEIE5101 SG ICT110	AEIE5102 DC ICT110	AEIE5133 DMG ICT110	AEIE5133 DMG ICT110						
	Gr2											
FRI	Gr1	Remedial ICT110	DIMA5116 SR/CB319		AEIE5133 DMG ICT110	AEIE5141 MC ICT110						
	Gr2											

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TIME TABLE
DEPARTMENT OF APPLIED ELECTRONICS & INSTRUMENTATION ENGINEERING

M. Tech. 1st Year 1st Semester

SESSION: 2021-2022

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

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Principal

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

M. Tech. 1st Year 1st Semester

SESSION: 2021-2022

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 (1) Micro-Electronic Devices and Circuits	3	0	0	3	3
	AEIE5132/	(2) Medical Instrumentation					
	AEIE5133	(3) Instrumentation and Industrial Automation					
Prog. Specific Elective	AEIE5141/	Elective-II (1) Mechatronics	3	0	0	3	3
	AEIE5142/	(2) Advanced Digital Control System					
	AEIE5143	(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	2	0	0	2	0
	INCO5117	Constitution of India					
	PDLS5118	Personality Development through Life Enlightenment Skills					
	YOGA5119	Stress Management by Yoga					
	SANS5120	Sanskrit for Technical Knowledge					
Total			16	0	8	24	18

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M. Tech. 2nd Year 1st Semester

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	12.25 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 ICT109			B R E A K	Project AEIE6121 ICT101					
TUE	Remedial ICT109	L/ AEIE6134/ SG/ICT 109			Project AEIE6121 ICT101					
WED		L/ AEIE6121 SJB ICT 109			Project AEIE6121 ICT101					
THU		Project AEIE6121 ICT101			Project AEIE6121 ICT101					
FRI	Library	L/ AEIE6121 SJB ICT 109	L/ AEIE6134/ SG/ICT 109		Project AEIE6121 ICT101					

To be Effective from 3rd July, 2019
A minimum of 75% attendance is mandatory for being eligible to sit for the Semester Examination.
Students should target 100% attendance

Member

HOD

Principal

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

M. Tech. 2nd Year 1st Semester

SESSION: 2021-2022

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

Member

HOD

Principal

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

M. Tech. 2nd Year 1st Semester

SESSION: 2021-2022

2nd Year 1st Semester Syllabus:

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

Member

HOD

Principal