

# HERITAGE INSTITUTE OF TECHNOLOGY

## TIME TABLE

### DEPARTMENT OF APPLIED ELECTRONICS & INSTRUMENTATION ENGINEERING

**B. Tech 2nd Year 1st Semester**

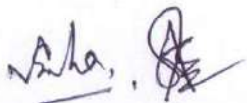
**SESSION: 2023-2024**

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	L/AEIE2102/ SJB/ICT004	L/AEIE2101/ PPS/ICT004	L/HMTS2001/ KM/ICT004	BREAK	Mentoring	L/MATH2001/ AP/ICT004	L/AEIE2103/ SKD/ICT004	Remedial /ICT004		
TUE	LAB/Gr.1/AEIE2152/SJB+SMC /SJD+BM/ICT009		Mentoring		L/MATH2001/ MP/ICT004	L/AEIE2103/ SKD/ICT004	L/AEIE2102/ SJB/ICT004			
	LAB/Gr.2/AEIE2153/SKD+DMG /HP+SKB/ICT102				T1/MATH2001/ SB/ICT004		LAB/Gr.1/AEIE2151/ PPS+IN/BM+SBJ/ICT001			
WED	L/AEIE2101/ PPS/ICT004	L/HMTS2001/ KM/ICT004	L/AEIE2102/ SJB/ICT004			T2/MATH2001/ /ICT108				
THU	LAB/Gr.1/AEIE2153/SKD+DMG /HP+SKB/ICT102		L/AEIE2101/ PPS/ICT004		LAB/Gr.2/AEIE2151/ PPS+IN/BM+SBJ/ICT001					
	LAB/Gr.2/AEIE2152/SJB+SMC /SJD+BM/ICT009									
FRI	L/AEIE2103/ SKD/ICT004	R/AEIE2103/ SKD/ICT004	L/AEIE2102/ SJB/ICT004		L/MATH2001/ SG/ICT004	L/HMTS2001/ SC/ICT004				

**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**

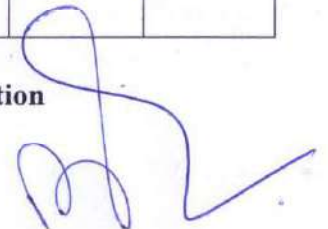
**Students should target 100% attendance**



Member



HOD



Principal

# HERITAGE INSTITUTE OF TECHNOLOGY

TIME TABLE

DEPARTMENT OF APPLIED ELECTRONICS & INSTRUMENTATION ENGINEERING

B. Tech 2nd Year 1st Semester

SESSION: 2023-2024

## Faculty Details:

## TA Details:

INITIALS	FULLNAME	DEPT	INITIALS	FULLNAME	DEPT	
SJB	Dr. Surajit Bagchi	AEIE	SJD	Mr. Sujoy Kr. Das	AEIE	
SKD	Dr. Soumik Das		HP	Ms. Harapriya Panda		
PPS	Dr. Pradip Saha		SKB	Mr. Sumit Kr. Bakshi		
IN	Prof. Indrajit Naskar		SMP	Ms. Sampa Paul		
SMC	Dr. Samik Chakraborty		KM	Mr. Koushik Majumder		
DMG	Prof. Damayanti Ghosh		BM	Mr. Bibhas Maikap		
AP	Dr. Ashesh Paul		SBJ	Ms. Suparna Banerjee		
MP	Prof. Moumita Pramanik	MATH				
SB	Dr. Samarpita Bhattacharya					
SG	Dr. Souvik Ghosh					
KM	Prof. Koyel Mallick	HUM				
SC	Dr. Suparna Chakraborti					

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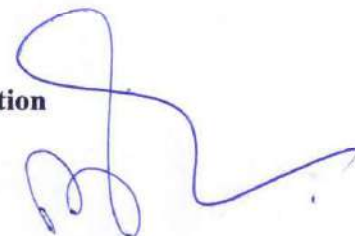
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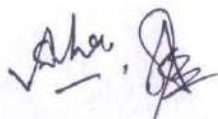
**HERITAGE INSTITUTE OF TECHNOLOGY**  
**TIME TABLE**  
**DEPARTMENT OF APPLIED ELECTRONICS & INSTRUMENTATION ENGINEERING**  
**B. Tech 2nd Year 1st Semester** **SESSION: 2023-2024**

**COURSE STRUCTURE:**

<b>2<sup>nd</sup> Year 1<sup>st</sup> Semester Course Structure</b>								
<b>Theory</b>								
Sl. No	Category	Code	Course Title	Contact hrs/wk				Credit Points
				L	T	P	Total	
1	Basic Science Courses	MATH2001	Mathematical Methods	3	1	0	4	4
2	Core Subject Courses	AEIE2101	Analog Electronic Circuits	3	0	0	3	3
3	Core Subject Courses	AEIE2102	Sensors and 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
<b>Total Theory</b>				<b>17</b>	<b>0</b>	<b>0</b>	<b>17</b>	<b>17</b>
<b>Laboratory</b>								
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 and Transducers Lab	0	0	2	2	1
3	Core Subject Courses	AEIE2153	Circuits and Networks Lab	0	0	2	2	1
<b>Total Laboratory</b>				<b>0</b>	<b>0</b>	<b>7</b>	<b>7</b>	<b>3.5</b>
<b>Total of Semester without Honours Course</b>				<b>17</b>	<b>0</b>	<b>7</b>	<b>24</b>	<b>20.5</b>

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

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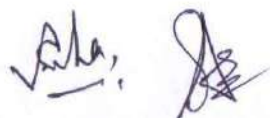
#### B. Tech 3rd Year 1st Semester

**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	L/AEIE3131 /DC/ICT108	LAB/Gr.1/AEIE3153/SAM+DMG/ KM+SMP/ICT002		<b>BREAK</b>	L/AEIE3103 /SAM/ICT004						
	L/AEIE3132 /IN/ICT109	LAB/Gr.2/AEIE3152/AMS+SKD /SKB+HP/ICT102									
TUE	L/AEIE3103 /SAM/ICT004	L/AEIE3101 /AKB/ICT004	L/AEIE3104 /SMC/ICT004			L/AEIE3131 /DC/ ICT108					
						L/AEIE3132 /IN/ ICT109					
WED	LAB/Gr.1/AEIE3151/AKB+RSG /SMP+SBJ/ICT103					R/AEIE3132 /SKD/ICT108	L/AEIE3103 /SAM/ICT004	L/AEIE3101 /AKB/ICT004	L/AEIE3102 /AMS/ICT004		
	LAB/Gr.2/AEIE3153/SAM+DMG /KM+SKB/ICT002										
THU	L/AEIE3101 /AKB/ICT004	L/AEIE3103 /SAM/ICT004	Mentoring			L/AEIE3101 /MC/ICT004	L/AEIE3104 /SMC/ICT004	L/AEIE3102 /AMS/ICT004	Remedial /ICT004		
FRI	LAB/Gr.1/AEIE3152/ AMS+AP /SKB+HP/ICT102				L/AEIE3132 /SKD/ICT108	L/AEIE3131 /DC/ICT108	L/AEIE3104 /SMC/ICT004	L/AEIE3102 /AMS/ICT004			
	LAB/Gr.2/AEIE3151/AKB+RSG /SMP+SBJ/ICT103										

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# HERITAGE INSTITUTE OF TECHNOLOGY

TIME TABLE

DEPARTMENT OF APPLIED ELECTRONICS & INSTRUMENTATION ENGINEERING

B. Tech 3rd Year 1st Semester

SESSION: 2023-2024

## Faculty Details:

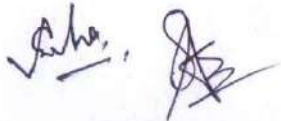
## TA Details:

INITIALS	FULLNAME	DEPT	INITIALS	FULLNAME	DEPT
MC	Prof. (Dr.) Madhurima Chattopadhyay	AEIE	SJD	Mr. Sujoy Kr. Das	AEIE
AKB	Dr. Anil Kumar Bag		HP	Ms. Harapriya Panda	
SKD	Dr. Soumik Das		SKB	Mr. Sumit Kr. Bakshi	
IN	Prof. Indrajit Naskar		SMP	Ms. Sampa Paul	
SAM	Prof. Samiul Alam		KM	Mr. Koushik Majumder	
AMS	Prof. Arindam Sarkar		BM	Mr. Bibhas Maikap	
SMC	Dr. Samik Chakraborty		SBJ	Ms. Suparna Banerjee	
DC	Dr. Debjyoti Chowdhury				
RSG	Prof. Reshma Sengupta				
AP	Dr. Arabinda Kumar Pal				
DMG	Prof. Damayanti Ghosh				

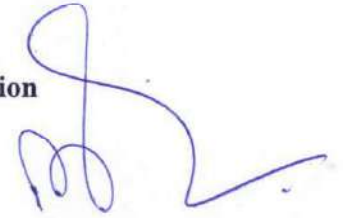
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**DEPARTMENT OF APPLIED ELECTRONICS & INSTRUMENTATION ENGINEERING**  
**B. Tech 3rd Year 1st Semester** **SESSION: 2023-2024**

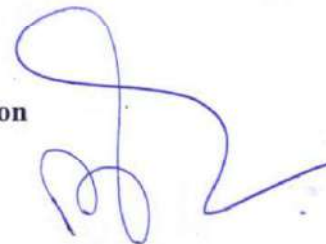
**COURSE STRUCTURE:**

<b>3<sup>rd</sup> Year 1<sup>st</sup> Semester Course Structure</b>								
<b>Theory</b>								
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
<b>Total Theory</b>				<b>17</b>	<b>0</b>	<b>0</b>	<b>17</b>	<b>17</b>
<b>Laboratory</b>								
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
<b>Total Laboratory</b>				<b>0</b>	<b>0</b>	<b>7</b>	<b>7</b>	<b>3.5</b>
<b>Total of Semester without Honours Course</b>				<b>17</b>	<b>0</b>	<b>7</b>	<b>24</b>	<b>20.5</b>

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# HERITAGE INSTITUTE OF TECHNOLOGY

## TIME TABLE

### APPLIED ELECTRONICS AND INSTRUMENTATION ENGINEERING

**B. Tech/4th Year 1st Semester**

**SESSION: 2023-2024**

DAY	Gr.1	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/HMTS4101/ SS/ICT108			OE2 L/BIOT4124/SDE/CB418 L/CSEN4121/PLD/ICT506 L/INFO4121/UKD/ICT105	OE3 L/CHEN4126/SWV/ICT105 L/CSEN4126/NF3/CB419 L/MATH4126/AP/CB202 L/MECH4130/BP/CME315	2.15 PM – 3.10 PM	3.10 PM – 4.05 PM	AEIE4195/All Faculty/ HP+SKB/ICT001+ICT102	
	Gr.2										
TUE	Gr.1										
	Gr.2									AEIE4195/All Faculty/ HP+SKB/ICT001+ICT102	
WED	Gr.1		AEIE4195/All Faculty/ SJD+BM/ICT001+ICT102			OE2 L/BIOT4124/SHD/CB418 L/CSEN4121/PLD/ICT506 L/INFO4121/UKD/ICT008	OE3 L/CHEN4126/SWV/ICT105 L/CSEN4126/NF3/ CB419 L/MATH4126/SC/CB202 L/MECH4130/SB/CME315	L/AEIE4132/AP /ICT008			
	Gr.2										
THU	Gr.1										
	Gr.2						AEIE4131/RSG/ICT008		L/AEIE4132/AP /ICT008		
FRI	Gr.1		L/HMTS4101/ NM/ICT008	L/HMTS4101/ BS/ICT008		OE2 L/BIOT4124/SHD/CB418 L/CSEN4121/PLD/ICT506 L/INFO4121/UKD/ICT105	OE3 L/CHEN4126/SWV/ICT105 L/CSEN4126/NF3/ CB419 L/MATH4126/AP/CB202 L/MECH4130/BP/CME315	AEIE4131/MC/ ICT008	L/AEIE4132/AP/ ICT008		
	Gr.2										

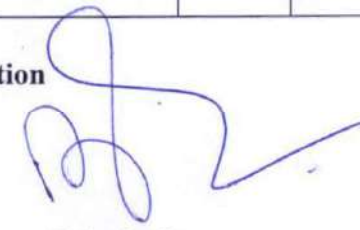
**To be Effective from 17.07.2023**

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## APPLIED ELECTRONICS AND INSTRUMENTATION ENGINEERING

B. Tech/4th Year 1st Semester

SESSION: 2023-2024

### Faculty Details:

### TA Details:

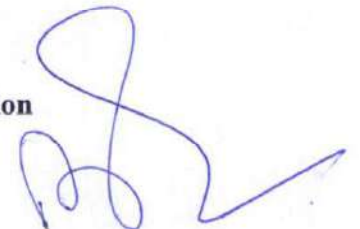
INITIALS	FULLNAME	DEPT	INITIALS	FULLNAME	DEPT	
MC	Prof.(Dr.) Madhurima Chattopadhyay	AEIE	SJD	Mr. Sujoy Kumar Das	AEIE	
AP	Prof. (Dr.) Arabinda Kumar Pal		SKB	Mr. Sumit Kr. Bakshi		
RSG	Prof. Reshma Sengupta		HP	Mrs.Harapriya Panda		
SWV	Prof. (Dr.) Swami Vedajnananda	Chemical	BM	Mr.Bibhas Maikap		
SHD	Prof. Sonali Hazara Das	Bio Technology				
SDE	Prof. Sudipta Dey Bandyopadhyay					
BP	Prof. Bankim Pattanayak	Mechanical				
SB	Prof. (Dr.) Sumanta Banerjee					
SC	Prof. (Dr.) Sandip Chatterjee	Mathematics				
AP	Prof. Dr. Ashesh Paul					
PLD	Dr. Poulami Das	CSE				
NF3	New Faculty 3	CSE				
UKD	Prof. Uttam Kumar Das	IT				
SS	Mr. Saibal Sen	Humanities				
NM	Ms. Nilanjana Mukhopadhaya					
BS	Ms. Bandana Sinha					

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### APPLIED ELECTRONICS AND INSTRUMENTATION ENGINEERING

B. Tech/4th Year 1st Semester

SESSION: 2023-2024

#### COURSE STRUCTURE:

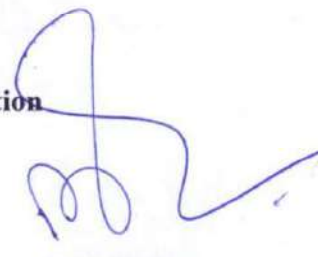
Theory								
Sl. No	Category	Code	Course Title	Contact hrs/wk				Credit Points
				L	T	P	Total	
1	Humanities & Social Sciences including Management courses	HMTS4101	Principles of Management	3	0	0	3	3
2	Program Electives Courses – III (Applicable for 2019, 2020, 2021 admitted batches)	AEIE4131/ AEIE4132/ AEIE4133	Analytical Instrumentation/ Soft Computing/ Non Destructive Testing	3	0	0	3	3
	Program Electives Courses – III (Applicable for 2022 admitted batches)	AEIE4131/ AEIE4132/ AEIE4133/ AEIE4134	Analytical Instrumentation/ Soft Computing/ Non Destructive Testing Material Science and Technology					
3	Open Electives Courses - II		OE-02	3	0	0	3	3
4	Open Electives Courses -III		OE-03	3	0	0	3	3
<b>Total Theory</b>				<b>12</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>12</b>
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
<b>Total Sessional</b>				<b>0</b>	<b>0</b>	<b>8</b>	<b>8</b>	<b>6</b>
<b>Total of Semester without Honours Course</b>				<b>12</b>	<b>0</b>	<b>8</b>	<b>20</b>	<b>18</b>

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