

# HERITAGE INSTITUTE OF TECHNOLOGY

## TIME TABLE

### Applied Electronics & Instrumentation Engineering

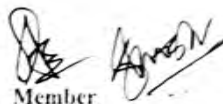
#### B. Tech 4<sup>th</sup> Year 1st Semester

SESSION: 2025-2026

| DAY | 9.00 AM - 10.00 AM                         | 10.00 AM - 11.00 AM     | 11.00 AM - 12 NOON      | 12 NOON - 1.00 PM                                                       | 1.00 PM - 2.00 PM                                                    | 2.00 PM - 3.00 PM                         | 3.00 PM - 4.00 PM         | 4.00 PM - 5.00 PM | 5.00 PM - 6.00 PM |
|-----|--------------------------------------------|-------------------------|-------------------------|-------------------------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------|---------------------------|-------------------|-------------------|
| MON | L/AEIE4131<br>DC/ICT108                    | L/AEIE4132<br>AP/ICT108 |                         | L/BIOT4124/SHD/ICT008<br>L/CSEN4121/SDB/ICT409<br>L/INFO4121/UKD/ICT410 | L/CSEN4126/SSN/CME205<br>L/MECH4130/MB/ICT004<br>L/MATH4126/AP/CB419 | L/HMTS4101/<br>SMC/ICT008                 |                           |                   |                   |
| TUE | Project/AEIE4195/All<br>Faculty/SKB/ICT001 |                         |                         | L/CSEN4126/SSN/ICT410<br>L/MECH4130/AM/ICT008<br>L/MATH4126/VB/CB419    |                                                                      | L/AEIE4131<br>DC/ICT108                   | L/HMTS4101/<br>ID/ICT004  |                   |                   |
| WED | Project/AEIE4195/All<br>Faculty/SBJ/ICT001 |                         |                         | L/BIOT4124/SDE/CB501<br>L/CSEN4121/SDB/ICT409<br>L/INFO4121/UKD/ICT410  |                                                                      | Mentoring/<br>ICT004                      | Remedial/<br>ICT004       |                   |                   |
| THU | L/AEIE4131<br>DC/ICT109                    |                         | L/AEIE4132<br>AP/ICT109 | L/CSEN4126/SSN/ICT410<br>L/MECH4130/AM/ICT008<br>L/MATH4126/AP/CB419    |                                                                      | L/AEIE4132<br>AP/ICT108                   | L/HMTS4101/<br>SMC/ICT004 |                   |                   |
| FRI | Project/AEIE4195/All<br>Faculty/BM/ICT001  |                         |                         | L/BIOT4124/SHD/CB501<br>L/CSEN4121/SDB/ICT409<br>L/INFO4121/UKD/ICT410  |                                                                      | Project/AEIE4195/All<br>Faculty/BM/ICT001 |                           |                   |                   |

To be Effective from 16.07.2025

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

### Applied Electronics & Instrumentation Engineering

B. Tech 4<sup>th</sup> Year 1st Semester

SESSION: 2025-2026

#### Faculty Details:

| INITIALS | FULLNAME                            |
|----------|-------------------------------------|
| AP       | Dr. Arabinda Kumar Pal              |
| DC       | Dr. Debjyoti Chowdhury              |
| SMC      | Syamantak Chattopadhyaya            |
| ID       | Indrani De                          |
| AP       | Dr. Ashesh Paul                     |
| VB       | Prof. Venu Bihani                   |
| UKD      | Prof. Uttam Kumar Dash              |
| SHD      | Prof. Sonali Hazara Das             |
| SDE      | Prof.(Dr.) Sudipta Dey Badyopadhyay |
| MB       | Dr. Manik Barman                    |
| AM       | Dr. Arindam Mandal                  |
| SDB      | Prof. Satabdi Barman                |
| SSN      | Prof. Somak Sen                     |

#### TA Details:

| INITIALS | FULLNAME      | DEPT |
|----------|---------------|------|
| SJD      | Sujoy Kr. Das | AEIE |
| SMP      | Sampa Paul    |      |
| BM       | Bibhas Maikap |      |
|          |               |      |
|          |               |      |
|          |               |      |
|          |               |      |
|          |               |      |
|          |               |      |
|          |               |      |
|          |               |      |
|          |               |      |
|          |               |      |
|          |               |      |
|          |               |      |

To be Effective from 16.07.2025

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

### Applied Electronics & Instrumentation Engineering

B. Tech 4<sup>th</sup> Year 1st Semester

SESSION: 2025-2026

#### COURSE STRUCTURE:

| Sl. No                                          | Category                                                                           | Code                                                | Course Title                                                                                                  | Contact hrs/wk |          |           |           | Credit Points |
|-------------------------------------------------|------------------------------------------------------------------------------------|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------|----------------|----------|-----------|-----------|---------------|
|                                                 |                                                                                    |                                                     |                                                                                                               | L              | T        | P         | Total     |               |
| 1                                               | Fundamentals & Special Sciences including Management courses                       | HIMT N4101                                          | Principles of Management                                                                                      | 3              | 0        | 0         | 3         | 3             |
| 2                                               | Program Electives Courses - III<br>(Applicable for 2019 and 2012 admitted batches) | AEIE 4131/<br>AEIE 4132/<br>AEIE 4133               | Analytical Instrumentation/<br>Soft Computing/<br>Non Destructive Testing                                     | 5              | 0        | 0         | 5         | 5             |
|                                                 |                                                                                    | AEIE 4134/<br>AEIE 4135/<br>AEIE 4136/<br>AEIE 4137 | Analytical Instrumentation/<br>Soft Computing/<br>Non Destructive Testing/<br>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>     |
| <b>Sessional</b>                                |                                                                                    |                                                     |                                                                                                               |                |          |           |           |               |
| Sl. No                                          | Category                                                                           | Code                                                | Course Title                                                                                                  | Contact hrs/wk |          |           |           | Credit Points |
|                                                 |                                                                                    |                                                     |                                                                                                               | L              | T        | P         | Total     |               |
| 1                                               | Industrial Training                                                                | AEIE 4104                                           | Industrial Training Evaluation                                                                                | 0              | 0        | 0         | 0         | 2             |
| 2                                               | Project Stage I                                                                    | AEIE 4105                                           | Project I                                                                                                     | 0              | 0        | 8         | 8         | 4             |
| <b>Total of Semester without Honours Course</b> |                                                                                    |                                                     |                                                                                                               | <b>0</b>       | <b>0</b> | <b>8</b>  | <b>8</b>  | <b>6</b>      |
| <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>     |
| <b>Honours</b>                                  |                                                                                    |                                                     |                                                                                                               |                |          |           |           |               |
| Sl. No                                          | Category                                                                           | Code                                                | Course Title                                                                                                  | Contact hrs/wk |          |           |           | Credit Points |
|                                                 |                                                                                    |                                                     |                                                                                                               | L              | T        | P         | Total     |               |
| 1                                               | Honours<br>(Applicable for 2019 and 2012 admitted batches)                         | AEIE 4111                                           | Introduction to MEMS                                                                                          | 1              | 0        | 0         | 1         | 1             |
| <b>Total of Semester with Honours Course</b>    |                                                                                    |                                                     |                                                                                                               | <b>21</b>      | <b>2</b> | <b>13</b> | <b>28</b> | <b>22</b>     |

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

| Open Electives     | Semester | Paper Code | Paper Name                                        |
|--------------------|----------|------------|---------------------------------------------------|
| Open Electives II  | VII      | EEIE 4124  | Transistor                                        |
|                    |          | CSIE 4121  | Fundamentals of Operating Systems                 |
|                    |          | DSIE 4121  | Fundamentals of Cloud Computing                   |
|                    |          | EEIE 4122  | Software Defined Radio                            |
| Open Electives III | VII      | EEIE 4123  | Error Control Coding for Secure Data Transmission |
|                    |          | CHIE 4126  | Industrial Total Quality Management               |
|                    |          | CSIE 4126  | Intelligent Web and Big Data                      |
|                    |          | EEIE 4127  | Ad Hoc Wireless Networks                          |
|                    |          | MAIE 4126  | Linear Algebra                                    |
|                    |          | EEIE 4130  | Ecology & Environmental Engineering               |

#### Open Electives to be offered by Dept. of AEIE:

| Open Electives     | Semester | Paper Code | Paper Name                              |
|--------------------|----------|------------|-----------------------------------------|
| Open Electives II  | VII      | AEIE 4121  | Instrumentation and Telemetry           |
| Open Electives III | VII      | AEIE 4122  | Linear Control Systems and Applications |
|                    |          | AEIE 4126  | Critical Instrumentation                |
|                    |          | AEIE 4127  | Introduction to Embedded Systems        |

To be Effective from 16.07.2025

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