

# HERITAGE INSTITUTE OF TECHNOLOGY

## TIME TABLE

### <Applied Electronics and Instrumentation Engineering>

#### B. Tech 3rd Year 2nd 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 – 1.20 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/AEIE3224/<br>SKD/ICT004                   | L/CSEN3206/<br>SSG/ICT004 | L/AEIE3232/<br>AMS/ICT004 | BREAK               | L/AEIE3231/<br>DMG/ICT108  | L/AEIE3201/<br>DC/ICT004           | L/INCO3016/<br>SG/ICT004           | AEIE3295/SJB+AMS/HP+SBJ/ICT001/Gr1 |                            |                   |
|     | GR. 2 |                                             |                           | L/AEIE3231/<br>SAM/ICT108 |                     |                            |                                    |                                    | AEIE3293/SAM+IN/Gr2ICT004          |                            |                   |
| TUE | GR. 1 | LAB/AEIE3251<br>DC+AMS/BM+SJD/ICT102/Gr.1   |                           |                           |                     | L/ AEIE3224/<br>SKD/ICT004 | AEIE3293/ DC +AMS/Gr1 ICT004       |                                    |                                    |                            |                   |
|     | GR. 2 | LAB/CSEN3256 /SSG/AR+KM/B07Gr.2             |                           |                           |                     |                            | AEIE3295/SJB+DMG/SBJ+SMP/Gr2ICT001 |                                    |                                    |                            |                   |
| WED | GR. 1 | L/AEIE3232/<br>AMS/ICT004                   | L/AEIE3201/<br>DC/ICT004  | HMTS3201/<br>NM/ICT004    |                     | L/AEIE3224/<br>SKD/ICT004  | L/INCO3016/<br>SG/ICT004           | L/CSEN3206/<br>SSG/ICT004          | Mentoring/ ICT004                  |                            |                   |
|     | GR. 2 | L/AEIE3231/<br>DMG/ICT108                   |                           |                           |                     |                            |                                    |                                    |                                    |                            |                   |
| THU | GR. 1 | LAB/CSEN3256/SSG/SDM+KM /B07Gr.1            |                           |                           |                     | L/AEIE3232/<br>AMS/ICT004  | L/CSEN3206/<br>SSG/ICT004          | T1/CSEN3206/<br>SSG/ICT004         | HMTS3201/<br>SS/ICT004             | T2/CSEN3206/<br>SSG/ICT004 |                   |
|     | GR. 2 | LAB/AEIE3251 /DC+AMS<br>/BM+SJD/ICT102/Gr.2 |                           |                           |                     |                            |                                    |                                    |                                    |                            |                   |
| FRI | GR. 1 | L/AEIE3231/<br>SAM/ICT004                   | HMTS3201/<br>ID/ICT004    | L/AEIE3201/<br>DC/ICT004  |                     | L/AEIE3224/<br>SKD/ICT004  | Remedial/<br>ICT004                | AEIE3295/SJB+DMG/HP+SMP/Gr1/ICT001 |                                    |                            |                   |
|     | GR. 2 |                                             |                           |                           |                     |                            |                                    | AEIE3293//SAM+IN//GR2/ICT004       |                                    |                            |                   |

To be Effective from 9<sup>th</sup> January, 2023

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

Students should target 100% attendance

*Rekha Sengupta Samayanti Ghosh.*

Member

*[Signature]*  
HOD

*[Signature]*  
Principal

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SESSION: 2022-2023

### Faculty Details:

### TA Details:

| INITIALS | FULLNAME                     | DEPT       | INITIALS | FULLNAME               | DEPT |
|----------|------------------------------|------------|----------|------------------------|------|
| SKD      | Prof. (Dr.) Soumik Das       | AEIE       | HP       | Ms. Harapriya Panda    | AEIE |
| AMS      | Prof. Arindam Sarkar         |            | SBJ      | Ms. Suparna Banerjee   |      |
| SAM      | Prof. Samiul Alam            |            | BM       | Mr. Bibhas Maikap      |      |
| DMG      | Prof. Damayanti Ghosh        |            | SJD      | Mr. Sujoy Kumar Das    |      |
| DC       | Prof.(Dr) Debjyoti Chowdhury |            | SMP      | Ms. Sampa Maity (Paul) |      |
| SJB      | Prof. (Dr.) Surajit Bagchi   |            | KM       | Mr. Koushik Mazumder   |      |
| IN       | Prof. Indrajit Naskar        |            |          |                        |      |
| SSG      | Prof. Somnath Sengupta       | CSE        | AR       | Mr. Ankur Roy          | CSE  |
| NM       | Prof. Nilanjana Mukhopadhaya | Humanities | SDM      | Mr. Siddharth Mojumdar |      |
| ID       | Prof. Indrani De             |            |          |                        |      |
| SS       | Prof. Saibal Sen             |            |          |                        |      |

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*Reshma Sengupta*  
Member

*Damayanti Ghosh*

*[Signature]*  
HOD

*[Signature]*  
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<Applied Electronics and Instrumentation Engineering>

B. Tech 3rd Year 2nd Semester

SESSION: 2022-2023

### COURSE STRUCTURE:

| 3 <sup>rd</sup> Year 2 <sup>nd</sup> Semester Course Structure |                                                           |                                    |                                                                                 |                |   |    |       |               |
|----------------------------------------------------------------|-----------------------------------------------------------|------------------------------------|---------------------------------------------------------------------------------|----------------|---|----|-------|---------------|
| Theory                                                         |                                                           |                                    |                                                                                 |                |   |    |       |               |
| Sl. No                                                         | Category                                                  | Code                               | Course Title                                                                    | Contact hrs/wk |   |    |       | Credit Points |
|                                                                |                                                           |                                    |                                                                                 | L              | T | P  | Total |               |
| 1                                                              | Engineering Science Courses                               | CSEN3206                           | Basics of RDBMS                                                                 | 3              | 1 | 0  | 4     | 4             |
| 2                                                              | Humanities & Social Sciences including Management courses | HMTS3201                           | Economics for Engineers                                                         | 3              | 0 | 0  | 3     | 3             |
| 3                                                              | Core Subject Courses                                      | AEIE3201                           | Introduction to Internet of Things                                              | 3              | 0 | 0  | 3     | 3             |
| 4                                                              | Program Elective Courses - II                             | AEIE3231/<br>AEIE3232/<br>AEIE3233 | Embedded Systems/<br>Opto Electronics and Fibre Optics/<br>Mobile Communication | 3              | 0 | 0  | 3     | 3             |
| 5                                                              | Emerging Area/ Open Elective Courses - I                  |                                    | OE-01                                                                           | 3              | 0 | 0  | 3     | 3             |
| 6                                                              | Mandatory Courses                                         | INCO3016                           | Indian Constitution and Civil Society                                           | 2              | 0 | 0  | 2     | -             |
| Total Theory                                                   |                                                           |                                    |                                                                                 | 18             | 0 | 0  | 18    | 16            |
| Laboratory                                                     |                                                           |                                    |                                                                                 |                |   |    |       |               |
| Sl. No                                                         | Category                                                  | Code                               | Course Title                                                                    | Contact hrs/wk |   |    |       | Credit Points |
|                                                                |                                                           |                                    |                                                                                 | L              | T | P  | Total |               |
| 1                                                              | Engineering Science Courses                               | CSEN3206                           | Basics of RDBMS Lab                                                             | 0              | 0 | 3  | 3     | 1.5           |
| 2                                                              | Core Subject Courses                                      | AEIE3231                           | Internet of Things Lab                                                          | 0              | 0 | 2  | 2     | 1             |
| Total Laboratory                                               |                                                           |                                    |                                                                                 | 0              | 0 | 5  | 5     | 2.5           |
| Sessional                                                      |                                                           |                                    |                                                                                 |                |   |    |       |               |
| Sl. No                                                         | Category                                                  | Code                               | Course Title                                                                    | Contact hrs/wk |   |    |       | Credit Points |
|                                                                |                                                           |                                    |                                                                                 | L              | T | P  | Total |               |
| 1                                                              | Core Subject Courses                                      | AEIE3293                           | Mini Project/Electronic Design Workshop                                         | 0              | 0 | 4  | 4     | 2             |
| 2                                                              | Seminar                                                   | AEIE3293                           | Term Paper and Seminar                                                          | 0              | 0 | 4  | 4     | 2             |
| Total Sessional                                                |                                                           |                                    |                                                                                 | 0              | 0 | 8  | 8     | 4             |
| Total of Semester                                              |                                                           |                                    |                                                                                 | 18             | 0 | 13 | 31    | 22.5          |

### OPEN ELECTIVES BASKET I FOR AEIE B. TECH STUDENTS:

| Open Electives   | Semester | Paper Code | Paper Name                                  |
|------------------|----------|------------|---------------------------------------------|
| Open Electives I | VI       | AEIE3223   | Industrial Automation                       |
|                  |          | AEIE3224   | Electronic Instrumentation                  |
|                  |          | ECEN3222   | Designing with Processors and Controllers   |
|                  |          | INFC3221   | Introduction to E-Commerce                  |
|                  |          | CHEN3221   | Water and Liquid Waste Management           |
|                  |          | MATH3222   | Advanced Probability and Information Theory |

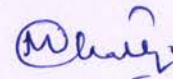
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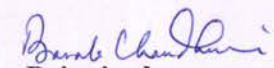
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