

**SILIGURI INSTITUTE OF TECHNOLOGY**  
**DEPARTMENT OF ENGINEERING SCIENCES & HUMANITIES**

**Bridge Course 2025-2026**

**OBJECTIVES:**

Bridge courses at the beginning of the first year of a **B.Tech.** Program are crucial for **bridging knowledge gaps** between secondary education and the university curriculum, ensuring a smooth transition to the rigorous academic environment of engineering studies. They provide students with the foundational skills and confidence needed for academic success.

**Key Importances and Benefits**

- ❖ **Curriculum Alignment and Knowledge Gaps.**
- ❖ **Smooth Academic and Cultural Transition.**
- ❖ **Enhanced Academic Performance.**
- ❖ **Building Confidence and Reducing Dropout Rates.**
- ❖ **Development of Essential Skills.**
- ❖ **Creating a Level Playing Field.**
- ❖ **Early Social Integration.**

**Siliguri Institute of Technology**  
**Department of Engineering Sciences and Humanities**

**Roles and Responsibilities of the Faculty and Staff members for the Bridge Course AY 2025-26**

| Sl. No. | Responsibility                                                  | Assigned Faculty and Staff                                                                                                                                                                                                               |
|---------|-----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 01      | Routine Preparation                                             | Departmental Routine Committee                                                                                                                                                                                                           |
| 02      | Students Database                                               | Departmental Database Committee                                                                                                                                                                                                          |
| 03      | Students Attendance & Communication                             | Mrs. Sonia Pal (Group I)<br>Mr. Benoy Sarkar (Group I)<br>Mr. Rama Prasad Mojumdar (Group II)<br>Mr. Mithun Bhowmik (Group II)<br>Mrs. Debalina Raha (Group III)<br>Mr. Pankaj Sarkar (Group III)<br>Mrs. Suvra Bhattacharjee (Group IV) |
| 04      | Objective type test on day 1 & term end test on day 10          | Departmental Examination committee                                                                                                                                                                                                       |
| 05      | Preparation of feedback form and action taken report            | Dr. Jayanta Dutta, HOD DESH<br>Dr. Susanta Kumar Saha<br>Mr. Rajeeb Chetri                                                                                                                                                               |
| 06      | Participation Certificate & successfully completion certificate | Mr. Pinaky Bhadury, Coordinator, Certificate Sub-Committee<br>Mr. Soumendu Golui, Member<br>Dr. Samit Ghosh, Member<br>Dr. Mandobi Banerjee, Member<br>Ms. Rimni Chakravarty, Member<br>Mr. Hrishikesh Roy, Member                       |
| 07      | File preparation & Maintenance                                  | Dr. Susanta Kumar Saha                                                                                                                                                                                                                   |
| 08      | Overall Coordination                                            | Dr. Jayanta Dutta, HOD DESH<br>Dr. Susanta Kumar Saha, Course Coordinator, Bridge Course, AY 2025-26                                                                                                                                     |

**Note:** HOD, DESH/ Course Coordinator may assign any job/responsibility to any faculty and staff members related to the bridge course AY 2025-26 irrespective of this responsibility chart, if required.

  
**Dr. Susanta Kumar Saha**  
Course Coordinator  
Bridge Course, AY 2025-26



  
**Dr. Jayanta Dutta**  
HOD, DESH, SIT  
  
Head Of The Department  
Department Of Engineering  
Sciences & Humanities  
Siliguri Institute Of Technology

| SILIGURI INSTITUTE OF TECHNOLOGY                                      |          |                                    |                     |                                 |                                             |                                                           |
|-----------------------------------------------------------------------|----------|------------------------------------|---------------------|---------------------------------|---------------------------------------------|-----------------------------------------------------------|
| Department of Engineering Sciences & Humanities (DESH)                |          |                                    |                     |                                 |                                             |                                                           |
| ROUTINE FOR BRIDGE COURSE 2025-2026 (SEC-I, SEC-II, SEC-III & SEC-IV) |          |                                    |                     |                                 |                                             |                                                           |
| SECTION                                                               | ROOM NO. | DAY / TIME                         | 11.00AM-11.45AM     | 11.45AM-12.30PM                 | 12.30PM-01.15PM                             | 01.15PM-2.00PM                                            |
| SEC-I                                                                 | D-101    | DAY-1<br>(Monday)<br>28/07/2025    | OBJECTIVE TYPE TEST | OBJECTIVE TYPE TEST             | OBJECTIVE TYPE TEST                         | OBJECTIVE TYPE TEST                                       |
| SEC-II                                                                | D-102    |                                    | MATHEMATICS         | PHYSICS                         | ENGLISH                                     | CHEMISTRY                                                 |
| SEC-III                                                               | D-104    |                                    | OBJECTIVE TYPE TEST | PHYSICS                         | ENGLISH                                     | CHEMISTRY                                                 |
| SEC-IV                                                                | D-201    |                                    | MATHEMATICS         | PHYSICS                         | ENGLISH                                     | CHEMISTRY                                                 |
|                                                                       |          |                                    | OBJECTIVE TYPE TEST | PHYSICS                         | ENGLISH                                     | CHEMISTRY                                                 |
| SECTION                                                               | ROOM NO. | DAY / TIME                         | 10.15AM-11.00AM     | 11.00AM-11.45AM                 | 11.45AM-12.30PM                             | 12.30PM-1.15PM                                            |
| SEC-I                                                                 | D-101    | DAY-2<br>(Tuesday)<br>29/07/2025   | PHYSICS (SD)        | MATHEMATICS(SCH)                | SOFT SKILL (HR)                             | INTRODUCTION TO ENGG.(CSE DEPT.)<br>(Anupam Mukherjee)    |
| SEC-II                                                                | D-102    |                                    | SOFT SKILL (RC)     | PHYSICS (SD)                    | APTITUDE & SKILL (RCH)                      | INTRODUCTION TO ENGG.(EE DEPT.)                           |
| SEC-III                                                               | D-104    |                                    | MATHEMATICS(JD)     | SOFT SKILL (HR)                 | CHEMISTRY (SKS/RS)                          | CHEMISTRY (SKS/RS)                                        |
| SEC-IV                                                                | D-201    |                                    | CHEMISTRY (SKS/RS)  | SOFT SKILL (RCV)                | MATHEMATICS(SGH)                            | PHYSICS (SD)                                              |
| SEC-I                                                                 | D-101    | DAY-3<br>(Wednesday)<br>30/07/2025 | CHEMISTRY (SKS/RS)  | PHYSICS (SD)                    | MATHEMATICS(MB)                             | SOFT SKILL (HR)                                           |
| SEC-II                                                                | D-102    |                                    | PHYSICS (SD)        | MATHEMATICS(SCH)                | CHEMISTRY (SKS/RS)                          | SOFT SKILL (RC)                                           |
| SEC-III                                                               | D-104    |                                    | MATHEMATICS(DB)     | CHEMISTRY (SKS/RS)              | SOFT SKILL (HR)                             | PHYSICS (SD)                                              |
| SEC-IV                                                                | D-201    |                                    | SOFT SKILL (RCV)    | CHEMISTRY (SKS/RS)              | MATHEMATICS(JD)                             | INTRODUCTION TO ENGG.(CSE&AIML DEPT.)<br>(DK)             |
| SEC-I                                                                 | D-101    | DAY-4<br>(Thursday)<br>31/07/2025  | CHEMISTRY (SKS/RS)  | SOFT SKILL (RC)                 | CHEMISTRY (SKS/RS)                          | INTRODUCTION TO ENGG.(EE DEPT.)                           |
| SEC-II                                                                | D-102    |                                    | SOFT SKILL (HR)     | MATHEMATICS(JD)                 | CHEMISTRY (SKS/RS)                          | PHYSICS (SD)                                              |
| SEC-III                                                               | D-104    |                                    | PHYSICS (SD)        | CHEMISTRY (SKS/RS)              | APTITUDE & SKILL (RCH)                      | INTRODUCTION TO ENGG.(ECE) (SKG)                          |
| SEC-IV                                                                | D-201    |                                    | MATHEMATICS(DB)     | INTRODUCTION TO ENGG.(CE DEPT.) | PHYSICS (SD)                                | INTRODUCTION TO ENGG.(IT DEPT.)<br>(Asit Barman)          |
| SEC-I                                                                 | D-101    | DAY-5<br>(Friday)<br>01/08/2025    | SOFT SKILL (RC)     | MATHEMATICS(SG)                 | CHEMISTRY (SKS/RS)                          | INTRODUCTION TO ENGG.(EE DEPT.)                           |
| SEC-II                                                                | D-102    |                                    | CHEMISTRY (SKS/RS)  | SOFT SKILL (HR)                 | CHEMISTRY (SKS/RS)                          | INTRODUCTION TO ENGG.(CSE DEPT.)<br>(Satabdi Chakraborty) |
| SEC-III                                                               | D-104    |                                    | PHYSICS (SD)        | CHEMISTRY (SKS/RS)              | INTRODUCTION TO ENGG.(CSE&AIML DEPT.) (SSG) | MATHEMATICS(SG)                                           |
| SEC-IV                                                                | D-201    |                                    | MATHEMATICS(SG)     | PHYSICS (SD)                    | SOFT SKILL (HR)                             | INTRODUCTION TO ENGG.(CSE&AIML DEPT.)                     |

|                       |          |                                    |                                  |                                                    |                                          |                                                                |
|-----------------------|----------|------------------------------------|----------------------------------|----------------------------------------------------|------------------------------------------|----------------------------------------------------------------|
| SEC-I                 | D-101    | DAY-6<br>(Monday)<br>04/08/2025    | INTRODUCTION TO ENGG.(ECE DEPT.) | CHEMISTRY (SKS/RS)                                 | APTITUDE & SKILL (RCH)                   | SOFT SKILL (RCV)                                               |
| SEC-II                | D-102    |                                    | CHEMISTRY (SKS/RS)               | MATHEMATICS(DB)                                    | PHYSICS (SD)                             | INTRODUCTION TO ENGG.(CSE&AIML DEPT.)<br>(Sudipa Bhattacharya) |
| SEC-III               | D-104    |                                    | PHYSICS (SD)                     | INTRODUCTION TO ENGG.(IT DEPT.)<br>(Mainak Sanyal) | SOFT SKILL (RC)                          | MATHEMATICS(SGH)                                               |
| SEC-IV                | D-201    |                                    | APTITUDE & SKILL (RCH)           | CHEMISTRY (SKS/RS)                                 | CHEMISTRY (SKS/RS)                       | PHYSICS (SD)                                                   |
| SEC-I                 | D-101    | DAY-7<br>(Tuesday)<br>05/08/2025   | CHEMISTRY (SKS/RS)               | INTRODUCTION TO ENGG.(ECE DEPT.)<br>(MKP)          | INTRODUCTION TO ENGG.(IT DEPT.)<br>(AM)  | PHYSICS (SD)                                                   |
| SEC-II                | D-102    |                                    | INTRODUCTION TO ENGG.(EE DEPT.)  | CHEMISTRY (SKS/RS)                                 | MATHEMATICS(SG)                          | INTRODUCTION TO ENGG.(IT DEPT.)(SSG)                           |
| SEC-III               | D-104    |                                    | PHYSICS (SD)                     | MATHEMATICS(MB)                                    | INTRODUCTION TO ENGG.(CE DEPT.)          | SOFT SKILL (RC)                                                |
| SEC-IV                | D-201    |                                    | SOFT SKILL (HR)                  | CHEMISTRY (SKS/RS)                                 | MATHEMATICS(MR)                          | INTRODUCTION TO ENGG.(ECE DEPT.)<br>(DG)                       |
| SEC-I                 | D-101    | DAY-8<br>(Wednesday)<br>06/08/2025 | MATHEMATICS(JD)                  | PHYSICS (SD)                                       | SOFT SKILL (RCV)                         | INTRODUCTION TO ENGG.(CSE&AIML DEPT.)<br>(Debajyoti Guha)      |
| SEC-II                | D-102    |                                    | SOFT SKILL (RCV)                 | CHEMISTRY (SKS/RS)                                 | INTRODUCTION TO ENGG.(ECE DEPT.)<br>(DM) | INTRODUCTION TO ENGG.(CE DEPT.)                                |
| SEC-III               | D-104    |                                    | INTRODUCTION TO ENGG.(EE DEPT.)  | INTRODUCTION TO ENGG.(ECE DEPT.)<br>(SKG)          | SOFT SKILL (RCV)                         | CHEMISTRY (SKS/RS)                                             |
| SEC-IV                | D-201    |                                    | CHEMISTRY (SKS/RS)               | SOFT SKILL (RC)                                    | PHYSICS (SD)                             | INTRODUCTION TO ENGG.(EE DEPT.)                                |
| SEC-I                 | D-101    | DAY-9<br>(Thursday)<br>07/08/2025  | MATHEMATICS(DB)                  | CHEMISTRY (SKS/RS)                                 | PHYSICS (SD)                             | INTRODUCTION TO ENGG.(CE DEPT.)                                |
| SEC-II                | D-102    |                                    | MATHEMATICS(MB)                  | PHYSICS (SD)                                       | SOFT SKILL (RCV)                         | INTRODUCTION TO ENGG.(ECE DEPT.)<br>(SM)                       |
| SEC-III               | D-104    |                                    | SOFT SKILL (RCV)                 | INTRODUCTION TO ENGG.(CSE DEPT.)<br>(Sathu Ball)   | CHEMISTRY (SKS/RS)                       | INTRODUCTION TO ENGG.(EE DEPT.)                                |
| SEC-IV                | D-201    |                                    | CHEMISTRY (SKS/RS)               | SOFT SKILL (RC)                                    | INTRODUCTION TO ENGG.(EE DEPT.)          | INTRODUCTION TO ENGG.(CSE DEPT.)<br>(Ananta Sinha)             |
| SECTION               | ROOM NO. | DAY / TIME                         | 10.15AM-11.00AM                  | 11.00AM-11.45AM                                    | 11.45AM-12.30PM                          | 12.30PM-1.15PM                                                 |
| SEC-I                 | D-101    | DAY-10<br>(Friday)<br>08/08/2025   | OBJECTIVE TYPE TEST              | OBJECTIVE TYPE TEST                                | OBJECTIVE TYPE TEST                      | OBJECTIVE TYPE TEST                                            |
| SEC-II                | D-102    |                                    | MATHEMATICS                      | PHYSICS                                            | ENGLISH                                  | CHEMISTRY                                                      |
| SEC-III               | D-104    |                                    | OBJECTIVE TYPE TEST              | PHYSICS                                            | ENGLISH                                  | CHEMISTRY                                                      |
| SEC-IV                | D-201    |                                    | MATHEMATICS                      | PHYSICS                                            | ENGLISH                                  | CHEMISTRY                                                      |
|                       |          |                                    | OBJECTIVE TYPE TEST              | PHYSICS                                            | ENGLISH                                  | CHEMISTRY                                                      |
| Signature: DTTO, DESH |          |                                    |                                  |                                                    |                                          |                                                                |

| DETAILS ON TEACHER ALLOCATION FOR BRIDGE COURSE      |        |                                                                    |             |                  |
|------------------------------------------------------|--------|--------------------------------------------------------------------|-------------|------------------|
| COURSE NAME                                          | Sl no. | Name of Faculty                                                    | Contact No. | Abbreviated Name |
| MATHEMATICS                                          | 1      | Dr. Jayanta Datta                                                  | 9433469885  | JD               |
|                                                      | 2      | Dr. Debapriya Bhattacharjee                                        | 9637590367  | DB               |
|                                                      | 3      | Mr. Soumenjit Ghosh                                                | 9851144906  | SG               |
|                                                      | 4      | Dr. Samit Ghosh                                                    | 8527884125  | SGH              |
|                                                      | 5      | Dr. Mandoli Banerjee                                               | 8507563770  | MB               |
| PHYSICS                                              | 1      | Dr. Saikat Dey                                                     | 7902896624  | SD               |
| CHEMISTRY                                            | 1      | Dr. Susanta Kumar Sena                                             | 9434685675  | SKS              |
|                                                      | 2      | Dr. Ratindranath Singha                                            | 8072253384  | RS               |
| SOFT SKILL                                           | 1      | Ms. Rimi Chakravarty                                               | 7679363235  | RCV              |
|                                                      | 2      | Mr. Rajesh Chetri                                                  | 8587773556  | RC               |
|                                                      | 3      | Mr. Krishnaksh Roy                                                 | 8504287821  | KR               |
| APTITUDE & SKILL                                     | 1      | Mr. Ranjan Chatterjee                                              | 9733931111  | RCJ              |
| INTRODUCTION TO ENGINEERING (Electrical Engineering) | 1      | Dr. Anup Das                                                       | 9475673337  | AD               |
|                                                      | 2      | Dr. Indrajit Koley                                                 | 9632726080  | IK               |
|                                                      | 3      | Mr. Subhojit Roy                                                   | 9126882162  | SR               |
|                                                      | 4      | Mrs. Shebani Pal                                                   | 9474543450  | SP               |
| INTRODUCTION TO ENGINEERING (CSE)                    | 1      | Mr. Anupam Mukherjee                                               | 9477175422  | AM               |
| INTRODUCTION TO ENGINEERING (CSE)                    | 2      | Bhri Ball                                                          | 9883727219  | SBL              |
| INTRODUCTION TO ENGINEERING (CSE)                    | 3      | Anita Sinha                                                        | 8467943780  | AS               |
| INTRODUCTION TO ENGINEERING (CSE)                    | 4      | Manish Sanyal                                                      | 9631836584  | MS               |
| INTRODUCTION TO ENGINEERING (CSE)                    | 5      | Debjyoti Guha                                                      | 9433113576  | DG               |
| INTRODUCTION TO ENGINEERING (IT)                     | 1      | Dr. Srisheela Sekhar Chosh                                         | 9955529117  | SSC              |
| INTRODUCTION TO ENGINEERING (IT)                     | 2      | Debathya Kundu                                                     | 9475140807  | DK               |
| INTRODUCTION TO ENGG.(ECE DEPT.)                     | 1      | Susapa Bhattacharya                                                | 9474764215  | SB               |
| INTRODUCTION TO ENGG.(ECE DEPT.)                     | 1      | Manas Saha                                                         | 7955955389  | MS               |
| INTRODUCTION TO ENGG.(ECE DEPT.)                     | 2      | Sambittha Mondal<br>DAY 9 (Thursday) 07:00-08:00 (12:30PM-1:15 PM) | 7908056033  | SM               |
| INTRODUCTION TO ENGG.(ECE DEPT.)                     | 3      | Dile Ghosh<br>DAY 7 (Tuesday) 05:00-06:00 (12:30PM-1:15 PM)        | 8254928974  | DG               |
| INTRODUCTION TO ENGG.(ECE DEPT.)                     | 4      | Debjyoti Mitra                                                     | 9749370955  | DM               |
| INTRODUCTION TO ENGG. (CSE&ANML DEPT.)               | 1      |                                                                    |             |                  |
| INTRODUCTION TO ENGG. (CSE&ANML DEPT.)               | 1      | Bikram Bhattacharjee                                               | 9553425433  | BB               |
| INTRODUCTION TO ENGG. (CSE&ANML DEPT.)               | 2      | Megha Roy                                                          | 8297518388  | MR               |

## Proposed Syllabus of the Bridge Courses

### ➤ Sub- topics in Physics

- Basic Knowledge of Mathematical Physics
- Classical Mechanics
- Electromagnetism
- Wave Optics
- Modern Physics
- Hands-on Training of Physics

### ➤ Sub- topics in Chemistry

- Coordination Chemistry
- Organic Chemistry
- Thermodynamics and Equilibrium
- Electrochemistry
- Hands-on Training of Chemistry

➤ **Sub- topics in Mathematics**

- Set, Relation and Mapping
- Differential Calculus
- Integral Calculus
- Matrices and Determinant
- Differential Equation

➤ **Sub- topics in Soft Skills**

- Grammar: Correction of Errors in Sentences
- Reading Comprehension
- Communicate in Person (The Power of Face to Face Connections)

➤ **Sub- topics in Soft Skills**

- Computer Fundamentals

➤ **Sub- topics in Soft Skills**

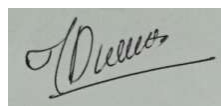
- Introduction to Aptitude and 21st-Century Skills
- Numerical & Quantitative Aptitude
- Logical Reasoning
- Verbal Aptitude & Communication
- Soft Skills Integration
- Industry & Career Awareness



Dr. Susanta Kumar Saha

Course Coordinator

Bridge Course, AY2025-2026



Dr. Jayanta Dutta

HOD, DESH, SIT