



Siliguri Institute of Technology

P.O. SUKNA, SILIGURI, DIST. DARJEELING, PIN : 734 009
 Tel. : (0353) 2778002 / 04, Fax : (0353) 2778003
 e-mail : sittechno@rediffmail.com
 sitsiliguriwb@yahoo.com

2.6.2 Attainment of Programme outcomes and course outcomes are evaluated by the institution.

Department: Computer Science & Engineering

| SN | Course Title | Course | University Code | Program Outcomes (PO's) | | | | | | | | | | | | PSO | |
|----|--|--------|--------------------|-------------------------|------|---|---|---|---|---|-----|------|-----|----|----|-----|---|
| | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 1 | 2 |
| 1 | Physics - I | C101 | BS-PH 101 | 1 | 1.75 | - | - | 1 | - | - | 1 | 1.75 | 1 | - | 1 | 1 | - |
| 2 | Physics - I Lab | C102 | BS-PH 191 | 1 | 1.75 | 1 | - | 1 | 1 | - | 1 | 1.75 | 1 | - | 1 | 1 | - |
| 3 | Mathematics - IA | C103 | BS-M 101 | 1 | 1 | - | - | - | - | - | - | - | - | - | 1 | 1 | - |
| 4 | Basic Electronics & Electrical Engineering. | C104 | ES-EE 101 | 2 | 2 | 1 | - | 1 | - | - | 1 | 1 | 1 | - | 1 | 1.9 | 1 |
| 5 | Basic Electronics & Electrical Engineering Lab | C105 | ES-EE 191 | 2 | 2 | 1 | - | 1 | 1 | - | 1 | 1 | 1 | - | 1 | 1.9 | 1 |
| 6 | Workshop/ Manufacturing Practice | C106 | ES-ME 192 | - | - | - | - | - | - | - | 1.8 | 1.8 | 1.8 | - | - | 1 | - |
| 7 | Programming for Problem Solving | C107 | ES-CS 201 | 1 | 1 | - | - | - | - | - | - | 1 | - | - | 1 | 1 | 1 |
| 8 | Programming for Problem Solving Lab | C108 | ES-CS 291 | 1 | 1 | 1 | - | 1 | 1 | - | 1 | 1 | 1 | - | 1 | 1 | 1 |



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|----|---|------|------------|------|------|------|-----|---|---|---|---|-----|---|---|---|------|-----|
| 9 | Chemistry - I | C109 | BS-CH 201 | 1 | 2 | - | - | - | - | - | - | 1.6 | - | - | 1 | 1 | - |
| 10 | Chemistry - I Lab | C110 | BS-CH 291 | 1 | 2 | - | - | - | - | - | - | 1.6 | - | - | 1 | 1 | - |
| 11 | Mathematics - II | C111 | BS-M 201 | 1.2 | 1.2 | - | - | - | - | - | - | - | - | - | - | 1.2 | - |
| 12 | English | C112 | HM-HU 201 | - | - | - | - | - | - | - | - | 1 | 2 | - | 1 | - | - |
| 13 | Language Laboratory | C113 | HM-HU 291 | - | - | - | - | 1 | - | - | 1 | 1 | 2 | - | 1 | - | - |
| 14 | Engineering Drawing & Computer Graphics | C114 | ES-ME 291 | - | - | - | - | - | - | - | 1 | 1 | - | - | 1 | 1 | - |
| 15 | Economics for Engineers | C201 | HSMC-301 | - | - | - | - | - | - | - | 2 | - | 1 | 2 | - | 2 | - |
| 16 | Mathematics - III | C202 | BSC-301 | 1.83 | 1.83 | - | - | - | - | - | - | - | - | - | - | 1.83 | - |
| 17 | Analog & Digital Electronics | C203 | ES-C 301 | 1.67 | 1 | 1 | - | - | - | - | 1 | - | - | - | - | 1.5 | - |
| 18 | Analog & Digital Electronics Lab | C204 | ES-CS 391 | 1.67 | 1 | 1 | - | 1 | 1 | - | 1 | - | 1 | - | - | 1.5 | - |
| 19 | Data Structure & Algorithm | C205 | PCC-CS 301 | 1.8 | 2 | - | - | 2 | - | - | - | 2 | - | - | 1 | 1 | 1 |
| 20 | Data Structure & Algorithm Lab | C206 | PCC-CS 391 | 1.8 | 2 | 2 | - | 2 | 1 | - | - | 2 | - | - | 2 | 1 | 1 |
| 21 | Computer Organization | C207 | PCC-CS 302 | 2 | 2.33 | 2.17 | 1.6 | - | - | - | - | 3 | 1 | - | - | 2 | 2.5 |
| 22 | Computer Organization Lab | C208 | PCC-CS 392 | 2 | 2.33 | 2.17 | 1.6 | 2 | 1 | - | - | 3 | 1 | - | - | 2 | 2.5 |
| 23 | IT Workshop | C209 | PCC-CS 393 | 1 | 1.67 | 2 | 2 | - | - | - | - | - | - | - | - | 1 | 2 |
| 24 | Discrete Mathematics | C210 | PCC-CS 401 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | - |

Kolkata Office : Chatterjee International Centre, 12th Floor, 33A, Chowringhee Road, Kolkata - 71

Tel. : (033) 2226 9785, 2226 4396, 2357 6163, 2357 6164, Fax : (033) 2226 2814, 2357 2450

e-mail : info@technoindiagroup.com, Website : www.technoindiagroup.com



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|----|---------------------------------------|------|------------|------|------|------|-----|---|---|---|---|---|---|---|-----|------|------|
| 25 | Design & Analysis of Algorithm | C211 | PCC-CS 404 | 1.17 | 2.2 | 2.2 | - | - | - | - | - | 1 | - | - | - | 1.8 | 2.5 |
| 26 | Design & Analysis of Algorithm Lab | C212 | PCC-CS 494 | 1.17 | 2.2 | 2.2 | 1 | 1 | - | - | - | 1 | - | - | 2 | 1.8 | 2.5 |
| 27 | Biology | C213 | BSC -401 | 1.33 | - | - | - | - | 2 | 3 | 1 | - | - | - | 1 | 1 | - |
| 28 | Formal Language & Automata Theory | C214 | PCC-CS 403 | 2 | 2.25 | 2.75 | - | - | - | - | - | - | - | - | - | 2.25 | 1 |
| 29 | Computer Architecture | C215 | PCC-CS 402 | 1.8 | 2.6 | 2.6 | 1.8 | 2 | - | - | - | 1 | 1 | - | - | 1.8 | 2.6 |
| 30 | Computer Architecture Lab | C216 | PCC-CS 492 | 1.8 | 2.6 | 2.6 | 1.8 | 2 | 1 | - | - | 1 | 1 | - | 1 | 1.8 | 2.6 |
| 31 | Environmental Sciences | C217 | MC 401 | 1.33 | - | - | - | - | 2 | 3 | 1 | - | - | - | 1 | 1 | - |
| 32 | Software Engineering | C301 | ESC 501 | 1 | 2 | 2 | 2 | - | - | - | - | 1 | - | - | - | 1 | 2 |
| 33 | Software Engineering Lab | C302 | ESC 591 | 1 | 2 | 2 | 2 | 1 | 1 | - | - | 1 | - | - | 2 | 1 | 2 |
| 34 | Compiler Design | C303 | PCC CS501 | 1.6 | 2 | 2.75 | - | - | - | - | - | - | - | - | - | 1 | 1.75 |
| 35 | Operating System | C304 | PCC CS502 | 1.2 | 2 | 1.4 | 1 | - | - | - | - | - | - | - | - | 1 | 1.5 |
| 36 | Operating System Lab | C305 | PCC CS592 | 1.2 | 2 | 1.4 | 1 | 1 | - | - | - | - | - | - | 1.5 | 1 | 1.5 |
| 37 | Object Oriented Programming | C306 | PCC CS503 | 1.5 | 2 | 1.5 | - | - | - | - | - | - | - | - | - | - | 1 |
| 38 | Object Oriented Programming Lab | C307 | PCC CS593 | 1.5 | 2 | 1.5 | 1 | 1 | - | - | - | 1 | 1 | - | 1.5 | - | 1 |
| 39 | Introduction to Industrial Management | C308 | HSMC 501 | - | - | - | - | - | - | - | 2 | 2 | 2 | 2 | - | 1 | - |

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|----|--------------------------------|------|---------------|-----|------|------|-----|---|-----|-----|---|-----|-----|-----|-----|-----|------|
| 40 | Artificial Intelligence | C309 | PEC IT501B | 1.4 | 2 | 1 | 1 | - | 1 | - | - | 1 | - | - | 1 | 1.4 | 1.33 |
| 41 | Constitution of India | C310 | MC CS501 | - | - | - | - | - | 1 | 1 | 1 | - | - | - | 2 | - | - |
| 42 | Database Mgmt. System | C311 | PCC CS601 | 1.8 | 1.8 | 1.4 | 1 | 1 | - | - | - | 1 | - | - | 1 | 2.6 | 1.75 |
| 43 | Database Mgmt. System Lab | C312 | PCC CS691 | 1.8 | 1.8 | 1.4 | 1 | 1 | 1 | - | - | 1 | - | - | 2 | 2.6 | 1.75 |
| 44 | Computer Network | C313 | PCC CS602 | 1 | 1.75 | 1 | 1 | - | - | - | - | - | - | - | - | 1 | 1 |
| 45 | Computer Network Lab | C314 | PCC CS692 | 1 | 1.75 | 1 | 1 | 1 | 1 | - | - | - | 1 | - | 1 | 1 | 1 |
| 46 | Distributed Systems | C315 | PEC IT601B | 2 | 3 | 3 | - | 2 | - | - | - | - | - | - | 2 | 1 | 2 |
| 47 | Image Processing | C316 | PEC IT601D | 2 | 2 | 2.6 | - | - | - | - | - | - | - | - | 1.8 | 1 | 2 |
| 48 | Data warehousing & Data Mining | C317 | PEC IT602B | 1 | 2 | 1.67 | - | - | - | - | - | - | - | - | - | 1.5 | 1 |
| 49 | Numerical Methods | C318 | OEC IT601A | 1 | 1 | - | - | 1 | - | - | 1 | 1 | 1 | - | 1 | 1 | 1 |
| 50 | Research Methodology | C319 | PROJ CS601 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 2 | 2 |
| 51 | Cloud Computing | C401 | PEC CS701B | 2 | 3 | 3 | 2 | - | - | - | - | 3 | 1 | - | - | 1 | 3 |
| 52 | Machine Learning | C402 | PEC CS701E | 2 | 1.8 | 2 | - | - | 2.3 | 2.4 | - | - | - | 2 | 1.4 | 2 | - |
| 53 | Cyber Security | C403 | PEC CS702E | 1 | 1.6 | 1.6 | 1.2 | 2 | 2 | 2 | 2 | 1.2 | 1.2 | 0.8 | 2 | 1.2 | 1.6 |
| 54 | Operation Research | C404 | OEC CS701A | 1.8 | 1.8 | - | - | - | - | - | - | - | - | - | - | 1.8 | - |
| 55 | Multimedia Systems | C405 | OEC CS701B | 1 | 1 | 2 | 1 | - | 1 | - | - | 1 | - | - | - | 1.5 | 1 |

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|----------------------------------|---|------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 56 | Project Management and Entrepreneurship | C406 | HSMC 701 | 1 | 2 | 2 | - | 2 | 1 | - | - | 2 | - | 2 | 1 | 1 | 1 |
| 57 | Project - II | C407 | PROJ CS781 | 3 | 2.4 | 3 | 3 | - | - | 2 | 1 | 2 | - | 2 | 2 | 3 | 2 |
| 58 | Cryptography & Network Security | C408 | PEC CS801B | 1 | 1.75 | 2 | 1.5 | - | - | - | - | - | - | - | - | 1 | 2 |
| 59 | Softskill and Interpersonal Communication | C409 | OEC CS801E | | | | | 1 | 1 | | 1 | 1 | 1 | | | | |
| 60 | E- Commerce | C410 | OEC CS802A | 1 | 3 | 2 | - | - | - | - | - | 1 | - | - | - | - | 2 |
| 61 | Project - III | C411 | PROJ CS881 | 3 | 2.4 | 3 | 3 | - | - | 2 | 1 | 2 | - | 2 | 2 | 3 | 2 |
| CO-PO ATTAINMENT (TARGET) | | | | 1.5 | 1.91 | 1.87 | 1.54 | 1.36 | 1.22 | 2.05 | 1.18 | 1.45 | 1.18 | 1.73 | 1.35 | 1.44 | 1.65 |

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| SN | Course Title | Course | University Code | Program Outcomes (PO's) | | | | | | | | | | | | PSO | |
|----|--|--------|--------------------|-------------------------|------|------|---|------|------|---|------|------|------|----|------|------|---|
| | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 1 | 2 |
| 1 | Physics - I | C101 | BS-PH 101 | 0.33 | 0.58 | - | - | 0.33 | - | - | 0.33 | 0.58 | 0.33 | - | 0.33 | 0.33 | - |
| 2 | Physics - I Lab | C102 | BS-PH 191 | 0.33 | 0.58 | 0.33 | - | 0.33 | 0.33 | - | 0.33 | 0.58 | 0.33 | - | 0.33 | 0.33 | - |
| 3 | Mathematics - IA | C103 | BS-M 101 | 0.33 | 0.33 | - | - | - | - | - | - | - | - | - | 0.33 | 0.33 | - |
| 4 | Basic Electronics & Electrical Engineering. | C104 | ES-EE 101 | 2 | 2 | 1 | - | 1 | - | - | 1 | 1 | 1 | - | 1 | 1.9 | 1 |
| 5 | Basic Electronics & Electrical Engineering Lab | C105 | ES-EE 191 | 2 | 2 | 1 | - | 1 | 1 | - | 1 | 1 | 1 | - | 1 | 1.9 | 1 |
| 6 | Workshop/ Manufacturing Practice | C106 | ES-ME 192 | - | - | - | - | - | - | - | 1.8 | 1.8 | 1.8 | - | - | 1 | - |
| 7 | Programming for Problem Solving | C107 | ES-CS 201 | 1 | 1 | - | - | - | - | - | - | 1 | - | - | 1 | 1 | 1 |
| 8 | Programming for Problem Solving Lab | C108 | ES-CS 291 | 1 | 1 | 1 | - | 1 | 1 | - | 1 | 1 | 1 | - | 1 | 1 | 1 |
| 9 | Chemistry - I | C109 | BS-CH 201 | 0.33 | 0.67 | - | - | - | - | - | - | 0.53 | - | - | 0.33 | 0.33 | - |
| 10 | Chemistry - I Lab | C110 | BS-CH 291 | 1 | 2 | - | - | - | - | - | - | 1.6 | - | - | 1 | 1 | - |
| 11 | Mathematics - II | C111 | BS-M 201 | 0.4 | 0.4 | - | - | - | - | - | - | - | - | - | - | 0.4 | - |
| 12 | English | C112 | HM-HU 201 | - | - | - | - | - | - | - | - | 1 | 2 | - | 1 | - | - |

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|----|---|------|------------|------|------|------|-----|---|---|---|---|---|---|---|---|------|-----|
| 13 | Language Laboratory | C113 | HM-HU 291 | - | - | - | - | 1 | - | - | 1 | 1 | 2 | - | 1 | - | - |
| 14 | Engineering Drawing & Computer Graphics | C114 | ES-ME 291 | - | - | - | - | - | - | - | 1 | 1 | - | - | 1 | 1 | - |
| 15 | Economics for Engineers | C201 | HSMC-301 | - | - | - | - | - | - | - | 2 | - | 1 | 2 | - | 2 | - |
| 16 | Mathematics - III | C202 | BSC-301 | 0.61 | 0.61 | - | - | - | - | - | - | - | - | - | - | 0.61 | - |
| 17 | Analog & Digital Electronics | C203 | ES-C 301 | 1.67 | 1 | 1 | - | - | - | - | 1 | - | - | - | - | 1.5 | - |
| 18 | Analog & Digital Electronics Lab | C204 | ES-CS 391 | 1.67 | 1 | 1 | - | 1 | 1 | - | 1 | - | 1 | - | - | 1.5 | - |
| 19 | Data Structure & Algorithm | C205 | PCC-CS 301 | 1.8 | 2 | - | - | 2 | - | - | - | 2 | - | - | 1 | 1 | 1 |
| 20 | Data Structure & Algorithm Lab | C206 | PCC-CS 391 | 1.8 | 2 | 2 | - | 2 | 1 | - | - | 2 | - | - | 2 | 1 | 1 |
| 21 | Computer Organization | C207 | PCC-CS 302 | 2 | 2.33 | 2.17 | 1.6 | - | - | - | - | 3 | 1 | - | - | 2 | 2.5 |
| 22 | Computer Organization Lab | C208 | PCC-CS 392 | 2 | 2.33 | 2.17 | 1.6 | 2 | 1 | - | - | 3 | 1 | - | - | 2 | 2.5 |
| 23 | IT Workshop | C209 | PCC-CS 393 | 1 | 1.67 | 2 | 2 | - | - | - | - | - | - | - | - | 1 | 2 |
| 24 | Discrete Mathematics | C210 | PCC-CS 401 | 2 | 2 | - | - | - | - | - | - | - | 0 | - | - | 2 | - |
| 25 | Design & Analysis of Algorithm | C211 | PCC-CS 404 | 1.17 | 2.2 | 2.2 | - | - | - | - | - | 1 | - | - | - | 1.8 | 2.5 |
| 26 | Design & Analysis of Algorithm Lab | C212 | PCC-CS 494 | 1.17 | 2.2 | 2.2 | 1 | 1 | - | - | - | 1 | - | - | 2 | 1.8 | 2.5 |
| 27 | Biology | C213 | BSC -401 | 1.33 | - | - | - | - | 2 | 3 | 1 | - | - | - | 1 | 1 | - |
| 28 | Formal Language & Automata Theory | C214 | PCC-CS 403 | 2 | 2.25 | 2.75 | - | - | - | - | - | - | - | - | - | 2.25 | 1 |

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|----|---------------------------------------|------|------------|------|-----|------|-----|---|---|---|---|---|---|---|-----|-----|------|
| 29 | Computer Architecture | C215 | PCC-CS 402 | 1.8 | 2.6 | 2.6 | 1.8 | 2 | - | - | - | 1 | 1 | - | - | 1.8 | 2.6 |
| 30 | Computer Architecture Lab | C216 | PCC-CS 492 | 1.8 | 2.6 | 2.6 | 1.8 | 2 | 1 | - | - | 1 | 1 | - | 1 | 1.8 | 2.6 |
| 31 | Environmental Sciences | C217 | MC 401 | 1.33 | - | - | - | - | 2 | 3 | 1 | - | - | - | 1 | 1 | - |
| 32 | Software Engineering | C301 | ESC 501 | 1 | 2 | 2 | 2 | - | - | - | - | 1 | - | - | - | 1 | 2 |
| 33 | Software Engineering Lab | C302 | ESC 591 | 1 | 2 | 2 | 2 | 1 | 1 | - | - | 1 | - | - | 2 | 1 | 2 |
| 34 | Compiler Design | C303 | PCC CS501 | 1.6 | 2 | 2.75 | - | - | - | - | - | - | - | - | - | 1 | 1.75 |
| 35 | Operating System | C304 | PCC CS502 | 1.2 | 2 | 1.4 | 1 | - | - | - | - | - | - | - | - | 1 | 1.5 |
| 36 | Operating System Lab | C305 | PCC CS592 | 1.2 | 2 | 1.4 | 1 | 1 | - | - | - | - | - | - | 1.5 | 1 | 1.5 |
| 37 | Object Oriented Programming | C306 | PCC CS503 | 1.5 | 2 | 1.5 | - | - | - | - | - | - | - | - | - | - | 1 |
| 38 | Object Oriented Programming Lab | C307 | PCC CS593 | 1.5 | 2 | 1.5 | 1 | 1 | - | - | - | 1 | 1 | - | 1.5 | - | 1 |
| 39 | Introduction to Industrial Management | C308 | HSMC 501 | - | - | - | - | - | - | - | 2 | 2 | 2 | 2 | - | 1 | - |
| 40 | Artificial Intelligence | C309 | PEC IT501B | 1.4 | 2 | 1 | 1 | - | 1 | - | - | 1 | - | - | 1 | 1.4 | 1.33 |
| 41 | Constitution of India | C310 | MC CS501 | - | - | - | - | - | 1 | 1 | 1 | - | - | - | 2 | - | - |
| 42 | Database Mgmt. System | C311 | PCC CS601 | 1.8 | 1.8 | 1.4 | 1 | 1 | - | - | - | 1 | - | - | 1 | 2.6 | 1.75 |
| 43 | Database Mgmt. System Lab | C312 | PCC CS691 | 1.8 | 1.8 | 1.4 | 1 | 1 | 1 | - | - | 1 | - | - | 2 | 2.6 | 1.75 |

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|----|---|------|------------|-----|------|------|-----|---|-----|-----|---|-----|-----|-----|-----|-----|-----|
| 44 | Computer Network | C313 | PCC CS602 | 1 | 1.75 | 1 | 1 | - | - | - | - | - | - | - | - | 1 | 1 |
| 45 | Computer Network Lab | C314 | PCC CS692 | 1 | 1.75 | 1 | 1 | 1 | 1 | - | - | - | 1 | - | 1 | 1 | 1 |
| 46 | Distributed Systems | C315 | PEC IT601B | 2 | 3 | 3 | - | 2 | - | - | - | - | - | - | 2 | 1 | 2 |
| 47 | Image Processing | C316 | PEC IT601D | 2 | 2 | 2.6 | - | - | - | - | - | - | - | - | 1.8 | 1 | 2 |
| 48 | Data warehousing & Data Mining | C317 | PEC IT602B | 1 | 2 | 1.67 | - | - | - | - | - | - | - | - | - | 1.5 | 1 |
| 49 | Numerical Methods | C318 | OEC IT601A | 1 | 1 | - | - | 1 | - | - | 1 | 1 | 1 | - | 1 | 1 | 1 |
| 50 | Research Methodology | C319 | PROJ CS601 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 2 | 2 |
| 51 | Cloud Computing | C401 | PEC CS701B | 2 | 3 | 3 | 2 | - | - | - | - | 3 | 1 | - | - | 1 | 3 |
| 52 | Machine Learning | C402 | PEC CS701E | 2 | 1.8 | 2 | - | - | 2.3 | 2.4 | - | - | - | 2 | 1.4 | 2 | - |
| 53 | Cyber Security | C403 | PEC CS702E | 1 | 1.6 | 1.6 | 1.2 | 2 | 2 | 2 | 2 | 1.2 | 1.2 | 0.8 | 2 | 1.2 | 1.6 |
| 54 | Operation Research | C404 | OEC CS701A | 1.8 | 1.8 | - | 0 | - | - | - | - | - | - | - | - | 1.8 | - |
| 55 | Multimedia Systems | C405 | OEC CS701B | 1 | 1 | 2 | 1 | - | 1 | - | - | 1 | - | - | - | 1.5 | 1 |
| 56 | Project Management and Entrepreneurship | C406 | HSMC 701 | 1 | 2 | 2 | - | 2 | 1 | - | - | 2 | - | 2 | 1 | 1 | 1 |
| 57 | Project - II | C407 | PROJ CS781 | 3 | 2.4 | 3 | 3 | - | - | 2 | 1 | 2 | - | 2 | 2 | 3 | 2 |
| 58 | Cryptography & Network Security | C408 | PEC CS801B | 1 | 1.75 | 2 | 1.5 | - | - | - | - | - | - | - | - | 1 | 2 |

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 Tel. : (033) 2226 9785, 2226 4396, 2357 6163, 2357 6164, Fax : (033) 2226 2814, 2357 2450
 e-mail : info@technoindiagroup.com, Website : www.technoindiagroup.com



Siliguri Institute of Technology

P.O. SUKNA, SILIGURI, DIST. DARJEELING, PIN : 734 009

Tel. : (0353) 2778002 / 04, Fax : (0353) 2778003

e-mail : sittechno@rediffmail.com

sitsiliguriwb@yahoo.com

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|----------------------------------|--|------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 59 | Soft skill and Interpersonal Communication | C409 | OEC CS801E | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| 60 | E- Commerce | C410 | OEC CS802A | 1 | 3 | 2 | - | - | - | - | - | 1 | - | - | - | - | 2 |
| 61 | Project - III | C411 | PROJ CS881 | 3 | 2.4 | 3 | 3 | - | - | 2 | 1 | 2 | - | 2 | 2 | 3 | 2 |
| CO-PO ATTAINMENT (TARGET) | | | | 1.41 | 1.79 | 1.86 | 1.54 | 1.31 | 1.18 | 2.05 | 1.12 | 1.36 | 1.12 | 1.73 | 1.27 | 1.36 | 1.65 |

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e-mail : info@technoindiagroup.com, Website : www.technoindiagroup.com



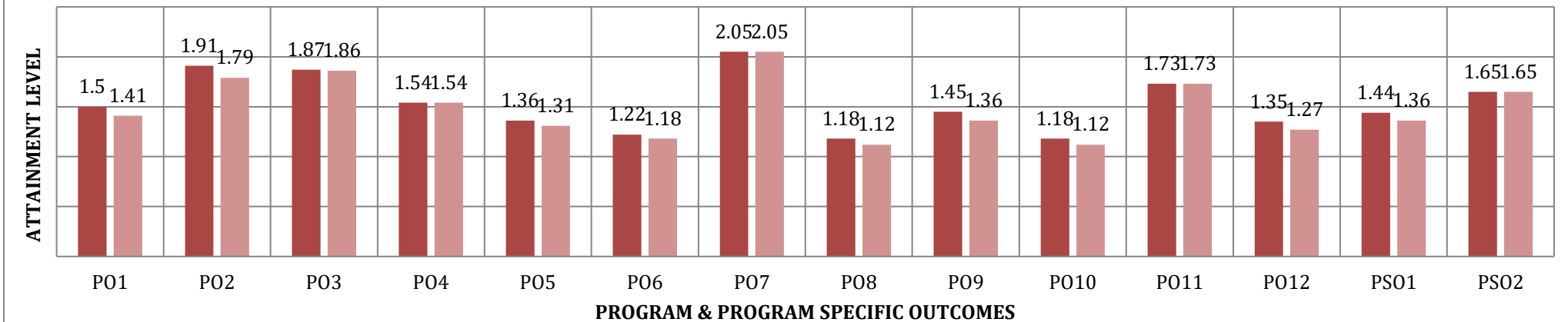
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P.O. SUKNA, SILIGURI, DIST. DARJEELING, PIN : 734 009
 Tel. : (0353) 2778002 / 04, Fax : (0353) 2778003
 e-mail : sittechno@rediffmail.com
 sitsiliguriwb@yahoo.com

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 |
|----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| CO TARGET | 1.5 | 1.91 | 1.87 | 1.54 | 1.36 | 1.22 | 2.05 | 1.18 | 1.45 | 1.18 | 1.73 | 1.35 | 1.44 | 1.65 |
| CO ATTAINMENT | 1.41 | 1.79 | 1.86 | 1.54 | 1.31 | 1.18 | 2.05 | 1.12 | 1.36 | 1.12 | 1.73 | 1.27 | 1.36 | 1.65 |

PO & PSO ATTAINMENT

■ CO TARGET ■ CO ATTAINMENT





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 Tel. : (0353) 2778002 / 04, Fax : (0353) 2778003
 e-mail : sittechno@rediffmail.com
 sitsiliguriwb@yahoo.com

Department: Information Technology

| SN | Course Title | Course | University | Program Outcomes (PO's) | | | | | | | | | | | | PSO | | |
|----|--|--------|------------|-------------------------|------|---|---|---|---|---|-----|------|-----|----|----|-----|---|---|
| | | | Code | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 1 | 2 | 3 |
| 1 | Physics - I | C101 | BS-PH 101 | 1 | 1.75 | - | - | 1 | - | - | 1 | 1.75 | 1 | - | 1 | 1 | - | - |
| 2 | Physics - I Lab | C102 | BS-PH 191 | 1 | 1.75 | 1 | - | 1 | 1 | - | 1 | 1.75 | 1 | - | 1 | 1 | - | - |
| 3 | Mathematics - IA | C103 | BS-M 101 | 1 | 1 | - | - | - | - | - | - | - | - | - | 1 | 1 | - | 1 |
| 4 | Basic Electronics & Electrical Engineering. | C104 | ES-EE 101 | 2 | 2 | 1 | - | 1 | - | - | 1 | 1 | 1 | - | 1 | 1.9 | 1 | - |
| 5 | Basic Electronics & Electrical Engineering Lab | C105 | ES-EE 191 | 2 | 2 | 1 | - | 1 | 1 | - | 1 | 1 | 1 | - | 1 | 1.9 | 1 | - |
| 6 | Workshop/ Manufacturing Practice | C106 | ES-ME 192 | - | - | - | - | - | - | - | 1.8 | 1.8 | 1.8 | - | - | 1 | - | - |
| 7 | Programming for Problem Solving | C107 | ES-CS 201 | 1 | 1 | - | - | - | - | - | - | 1 | - | - | 1 | 1 | 1 | 1 |
| 8 | Programming for Problem Solving Lab | C108 | ES-CS 291 | 1 | 1 | 1 | - | 1 | 1 | - | 1 | 1 | 1 | - | 1 | 1 | 1 | 1 |
| 9 | Chemistry - I | C109 | BS-CH 201 | 1 | 2 | - | - | - | - | - | - | 1.6 | - | - | 1 | 1 | - | - |
| 10 | Chemistry - I Lab | C110 | BS-CH 291 | 1 | 2 | - | - | - | - | - | - | 1.6 | - | - | 1 | 1 | - | - |

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Tel. : (0353) 2778002 / 04, Fax : (0353) 2778003

e-mail : sittechno@rediffmail.com

sitsiliguriwb@yahoo.com

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|----|---|------|------------|------|------|------|-----|---|---|---|---|---|---|---|---|------|-----|-----|
| 11 | Mathematics - II | C111 | BS-M 201 | 1.2 | 1.2 | - | - | - | - | - | - | - | - | - | - | 1.2 | - | 1 |
| 12 | English | C112 | HM-HU 201 | - | - | - | - | - | - | - | - | 1 | 2 | - | 1 | - | - | 1 |
| 13 | Language Laboratory | C113 | HM-HU 291 | - | - | - | - | 1 | - | - | 1 | 1 | 2 | - | 1 | - | - | 1 |
| 14 | Engineering Drawing & Computer Graphics | C114 | ES-ME 291 | - | - | - | - | - | - | - | 1 | 1 | - | - | 1 | 1 | - | - |
| 15 | Economics for Engineers | C201 | HSMC-301 | - | - | - | - | - | - | - | 2 | - | 1 | 2 | - | 2 | - | - |
| 16 | Mathematics - III | C202 | BSC-301 | 1.83 | 1.83 | - | - | - | - | - | - | - | - | - | - | 1.83 | - | 1 |
| 17 | Analog & Digital Electronics | C203 | ES-C 301 | 1.67 | 1 | 1 | - | - | - | - | 1 | - | - | - | - | 1.5 | - | - |
| 18 | Analog & Digital Electronics Lab | C204 | ES-CS 391 | 1.67 | 1 | 1 | - | 1 | 1 | - | 1 | - | 1 | - | - | 1.5 | - | - |
| 19 | Data Structure & Algorithm | C205 | PCC-CS 301 | 1.8 | 2 | - | - | 2 | - | - | - | 2 | - | - | 1 | 1 | 1 | 2 |
| 20 | Data Structure & Algorithm Lab | C206 | PCC-CS 391 | 1.8 | 2 | 2 | - | 2 | 1 | - | - | 2 | - | - | 2 | 1 | 1 | 2 |
| 21 | Computer Organization | C207 | PCC-CS 302 | 2 | 2.33 | 2.17 | 1.6 | - | - | - | - | 3 | 1 | - | - | 2 | 2.5 | 1.5 |
| 22 | Computer Organization Lab | C208 | PCC-CS 392 | 2 | 2.33 | 2.17 | 1.6 | 2 | 1 | - | - | 3 | 1 | - | - | 2 | 2.5 | 1.5 |
| 23 | IT Workshop | C209 | PCC-CS 393 | 1 | 1.67 | 2 | 2 | - | - | - | - | - | - | - | - | 1 | 2 | 2 |
| 24 | Discrete Mathematics | C210 | PCC-CS 401 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | - | 1 |
| 25 | Design & Analysis of Algorithm | C211 | PCC-CS 404 | 1.17 | 2.2 | 2.2 | - | - | - | - | - | 1 | - | - | - | 1.8 | 2.5 | 2 |
| 26 | Design & Analysis of Algorithm Lab | C212 | PCC-CS 494 | 1.17 | 2.2 | 2.2 | 1 | 1 | - | - | - | 1 | - | - | 2 | 1.8 | 2.5 | 2 |

Kolkata Office : Chatterjee International Centre, 12th Floor, 33A, Chowringhee Road, Kolkata - 71

Tel. : (033) 2226 9785, 2226 4396, 2357 6163, 2357 6164, Fax : (033) 2226 2814, 2357 2450

e-mail : info@technoindiagroup.com, Website : www.technoindiagroup.com



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P.O. SUKNA, SILIGURI, DIST. DARJEELING, PIN : 734 009

Tel. : (0353) 2778002 / 04, Fax : (0353) 2778003

e-mail : sittechno@rediffmail.com

sitsiliguriwb@yahoo.com

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|----|---------------------------------------|------|------------|------|------|------|-----|---|---|---|---|---|---|---|-----|------|------|-----|
| 27 | Biology | C213 | BSC -401 | 1.33 | - | - | - | - | 2 | 3 | 1 | - | - | - | 1 | 1 | - | - |
| 28 | Formal Language & Automata Theory | C214 | PCC-CS 403 | 2 | 2.25 | 2.75 | - | - | - | - | - | - | - | - | - | 2.25 | 1 | - |
| 29 | Computer Architecture | C215 | PCC-CS 402 | 1.8 | 2.6 | 2.6 | 1.8 | 2 | - | - | - | 1 | 1 | - | - | 1.8 | 2.6 | 1 |
| 30 | Computer Architecture Lab | C216 | PCC-CS 492 | 1.8 | 2.6 | 2.6 | 1.8 | 2 | 1 | - | - | 1 | 1 | - | 1 | 1.8 | 2.6 | 1 |
| 31 | Environmental Sciences | C217 | MC 401 | 1.33 | - | - | - | - | 2 | 3 | 1 | - | - | - | 1 | 1 | - | 1 |
| 32 | Software Engineering | C301 | ESC 501 | 1 | 2 | 2 | 2 | - | - | - | - | 1 | - | - | - | 1 | 2 | 2 |
| 33 | Software Engineering Lab | C302 | ESC 591 | 1 | 2 | 2 | 2 | 1 | 1 | - | - | 1 | - | - | 2 | 1 | 2 | 2 |
| 34 | Compiler Design | C303 | PCC CS501 | 1.6 | 2 | 2.75 | - | - | - | - | - | - | - | - | - | 1 | 1.75 | 1 |
| 35 | Operating System | C304 | PCC CS502 | 1.2 | 2 | 1.4 | 1 | - | - | - | - | - | - | - | - | 1 | 1.5 | 1.5 |
| 36 | Operating System Lab | C305 | PCC CS592 | 1.2 | 2 | 1.4 | 1 | 1 | - | - | - | - | - | - | 1.5 | 1 | 1.5 | 1.5 |
| 37 | Object Oriented Programming | C306 | PCC CS503 | 1.5 | 2 | 1.5 | - | - | - | - | - | - | - | - | - | - | 1 | 2 |
| 38 | Object Oriented Programming Lab | C307 | PCC CS593 | 1.5 | 2 | 1.5 | 1 | 1 | - | - | - | 1 | 1 | - | 1.5 | - | 1 | 2 |
| 39 | Introduction to Industrial Management | C308 | HSMC 501 | - | - | - | - | - | - | - | 2 | 2 | 2 | 2 | - | 1 | - | - |
| 40 | Artificial Intelligence | C309 | PEC IT501B | 1.4 | 2 | 1 | 1 | - | 1 | - | - | 1 | - | - | 1 | 1.4 | 1.33 | 1 |
| 41 | Constitution of India | C310 | MC CS501 | - | - | - | - | - | 1 | 1 | 1 | - | - | - | 2 | - | - | - |

Kolkata Office : Chatterjee International Centre, 12th Floor, 33A, Chowringhee Road, Kolkata - 71

Tel. : (033) 2226 9785, 2226 4396, 2357 6163, 2357 6164, Fax : (033) 2226 2814, 2357 2450

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sitsiliguriwb@yahoo.com

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|----|---|------|------------|-----|------|------|-----|---|-----|-----|---|-----|-----|-----|-----|-----|------|---|
| 42 | Database Mgmt. System | C311 | PCC CS601 | 1.8 | 1.8 | 1.4 | 1 | 1 | - | - | - | 1 | - | - | 1 | 2.6 | 1.75 | 2 |
| 43 | Database Mgmt. System Lab | C312 | PCC CS691 | 1.8 | 1.8 | 1.4 | 1 | 1 | 1 | - | - | 1 | - | - | 2 | 2.6 | 1.75 | 2 |
| 44 | Computer Network | C313 | PCC CS602 | 1 | 1.75 | 1 | 1 | - | - | - | - | - | - | - | - | 1 | 1 | 1 |
| 45 | Computer Network Lab | C314 | PCC CS692 | 1 | 1.75 | 1 | 1 | 1 | 1 | - | - | - | 1 | - | 1 | 1 | 1 | 1 |
| 46 | Distributed Systems | C315 | PEC IT601B | 2 | 3 | 3 | - | 2 | - | - | - | - | - | - | 2 | 1 | 2 | 1 |
| 47 | Image Processing | C316 | PEC IT601D | 2 | 2 | 2.6 | - | - | - | - | - | - | - | - | 1.8 | 1 | 2 | 1 |
| 48 | Data warehousing & Data Mining | C317 | PEC IT602B | 1 | 2 | 1.67 | - | - | - | - | - | - | - | - | - | 1.5 | 1 | 2 |
| 49 | Numerical Methods | C318 | OEC IT601A | 1 | 1 | - | - | 1 | - | - | 1 | 1 | 1 | - | 1 | 1 | 1 | |
| 50 | Research Methodology | C319 | PROJ CS601 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 2 | 2 | 1 |
| 51 | Cloud Computing | C401 | PEC IT701C | 2 | 3 | 3 | 2 | - | - | - | - | 3 | 1 | - | - | 1 | 3 | 1 |
| 52 | Machine Learning | C402 | PEC IT701D | 2 | 1.8 | 2 | - | - | 2.3 | 2.4 | - | - | - | 2 | 1.4 | 2 | - | 2 |
| 53 | Cyber Security | C403 | PEC IT702F | 1 | 1.6 | 1.6 | 1.2 | 2 | 2 | 2 | 2 | 1.2 | 1.2 | 0.8 | 2 | 1.2 | 1.6 | 1 |
| 54 | Operations Research | C404 | OEC IT701A | 1.8 | 1.8 | - | - | - | - | - | - | - | - | - | - | 1.8 | - | - |
| 55 | Multimedia Technology | C405 | PECIT702A | 1 | 1 | 2 | 1 | - | 1 | - | - | 1 | - | - | - | 1.5 | 1 | 1 |
| 59 | Softskill and Interpersonal Communication | C409 | OECIT701C | | | | | 1 | 1 | | 1 | 1 | 1 | | | | | 1 |

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Tel. : (033) 2226 9785, 2226 4396, 2357 6163, 2357 6164, Fax : (033) 2226 2814, 2357 2450

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|----------------------------------|---|------|------------|-------------|-------------|-------------|------------|-------------|-------------|-------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 56 | Project Management and Entrepreneurship | C406 | HSMC 701 | 1 | 2 | 2 | - | 2 | 1 | - | - | 2 | - | 2 | 1 | 1 | 1 | 1 |
| 57 | Project - II | C407 | PROJIT781 | 3 | 2.4 | 3 | 3 | - | - | 2 | 1 | 2 | - | 2 | 2 | 3 | 2 | 1 |
| 58 | Cryptography & Network Security | C408 | PECIT801B | 1 | 1.75 | 2 | 1.5 | - | - | - | - | - | - | - | - | 1 | 2 | 1 |
| 59 | Cyber Law and Ethics | C409 | OECIT801B | 0.5 | 0.5 | 1 | 0.5 | 0.25 | 1.5 | 1.5 | 1.5 | | | | 1.5 | | 1 | 1 |
| 60 | E-Commerce and ERP | C410 | OECIT802A | 1 | 3 | 2 | - | - | - | - | - | 1 | - | - | - | - | 2 | 1 |
| 61 | Project - III | C411 | PROJ CS881 | 3 | 2.4 | 3 | 3 | - | - | 2 | 1 | 2 | - | 2 | 2 | 3 | 2 | 2 |
| CO-PO ATTAINMENT (TARGET) | | | | 1.48 | 1.89 | 1.85 | 1.5 | 1.32 | 1.23 | 1.99 | 1.2 | 1.45 | 1.18 | 1.73 | 1.35 | 1.44 | 1.63 | 1.36 |

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| SN | Course Title | Course | University | Program Outcomes (PO's) | | | | | | | | | | | | PSO | | |
|----|--|--------|------------|-------------------------|------|------|---|------|---|---|------|------|------|----|------|------|------|------|
| | | | Code | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 1 | 2 | 3 |
| 1 | Physics - I | C101 | BS-PH 101 | 0.33 | 0.58 | - | - | 0.33 | - | - | 0.33 | 0.58 | 0.33 | - | 0.33 | 0.33 | - | - |
| 2 | Physics - I Lab | C102 | BS-PH 191 | 1 | 1.75 | 1 | - | 1 | 1 | - | 1 | 1.75 | 1 | - | 1 | 1 | - | - |
| 3 | Mathematics - IA | C103 | BS-M 101 | 0.33 | 0.33 | - | - | - | - | - | - | - | - | - | 0.33 | 0.33 | - | 0.33 |
| 4 | Basic Electronics & Electrical Engineering. | C104 | ES-EE 101 | 0.67 | 0.67 | 0.33 | - | 0.33 | - | - | 0.33 | 0.33 | 0.33 | - | 0.33 | 0.63 | 0.33 | - |
| 5 | Basic Electronics & Electrical Engineering Lab | C105 | ES-EE 191 | 2 | 2 | 1 | - | 1 | 1 | - | 1 | 1 | 1 | - | 1 | 1.9 | 1 | - |
| 6 | Workshop/ Manufacturing Practice | C106 | ES-ME 192 | - | - | - | - | - | - | - | 1.8 | 1.8 | 1.8 | - | - | 1 | - | - |
| 7 | Programming for Problem Solving | C107 | ES-CS 201 | 1 | 1 | - | - | - | - | - | - | 1 | - | - | 1 | 1 | 1 | 1 |
| 8 | Programming for Problem Solving Lab | C108 | ES-CS 291 | 1 | 1 | 1 | - | 1 | 1 | - | 1 | 1 | 1 | - | 1 | 1 | 1 | 1 |
| 9 | Chemistry - I | C109 | BS-CH 201 | 0.33 | 0.67 | - | - | - | - | - | - | 0.53 | - | - | 0.33 | 0.33 | - | - |
| 10 | Chemistry - I Lab | C110 | BS-CH 291 | 1 | 2 | - | - | - | - | - | - | 1.6 | - | - | 1 | 1 | - | - |
| 11 | Mathematics - II | C111 | BS-M 201 | 0.4 | 0.4 | - | - | - | - | - | - | - | - | - | - | 0.4 | - | 0.33 |
| 12 | English | C112 | HM-HU 201 | - | - | - | - | - | - | - | - | 1 | 2 | - | 1 | - | - | 1 |
| 13 | Language Laboratory | C113 | HM-HU 291 | - | - | - | - | 1 | - | - | 1 | 1 | 2 | - | 1 | - | - | 1 |

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 Tel. : (033) 2226 9785, 2226 4396, 2357 6163, 2357 6164, Fax : (033) 2226 2814, 2357 2450
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|----|---|------|------------|------|------|------|------|---|---|---|------|---|------|---|---|------|------|------|
| 14 | Engineering Drawing & Computer Graphics | C114 | ES-ME 291 | - | - | - | - | - | - | - | 1 | 1 | - | - | 1 | 1 | - | - |
| 15 | Economics for Engineers | C201 | HSMC-301 | - | - | - | - | - | - | - | 2 | - | 1 | 2 | - | 2 | - | - |
| 16 | Mathematics - III | C202 | BSC-301 | 0.61 | 0.61 | - | - | - | - | - | - | - | - | - | - | 0.61 | - | 0.33 |
| 17 | Analog & Digital Electronics | C203 | ES-C 301 | 0.56 | 0.33 | 0.33 | - | - | - | - | 0.33 | - | - | - | - | 0.5 | - | - |
| 18 | Analog & Digital Electronics Lab | C204 | ES-CS 391 | 1.67 | 1 | 1 | - | 1 | 1 | - | 1 | - | 1 | - | - | 1.5 | - | - |
| 19 | Data Structure & Algorithm | C205 | PCC-CS 301 | 1.8 | 2 | - | - | 2 | - | - | - | 2 | - | - | 1 | 1 | 1 | 2 |
| 20 | Data Structure & Algorithm Lab | C206 | PCC-CS 391 | 1.8 | 2 | 2 | - | 2 | 1 | - | - | 2 | - | - | 2 | 1 | 1 | 2 |
| 21 | Computer Organization | C207 | PCC-CS 302 | 0.67 | 0.78 | 0.72 | 0.53 | - | - | - | - | 1 | 0.33 | - | - | 0.67 | 0.83 | 0.5 |
| 22 | Computer Organization Lab | C208 | PCC-CS 392 | 2 | 2.33 | 2.17 | 1.6 | 2 | 1 | - | - | 3 | 1 | - | - | 2 | 2.5 | 1.5 |
| 23 | IT Workshop | C209 | PCC-CS 393 | 1 | 1.67 | 2 | 2 | - | - | - | - | - | - | - | - | 1 | 2 | 2 |
| 24 | Discrete Mathematics | C210 | PCC-CS 401 | 0.67 | 0.67 | - | - | - | - | - | - | - | 0 | - | - | 0.67 | - | 0.33 |
| 25 | Design & Analysis of Algorithm | C211 | PCC-CS 404 | 1.17 | 2.2 | 2.2 | - | - | - | - | - | 1 | - | - | - | 1.8 | 2.5 | 2 |
| 26 | Design & Analysis of Algorithm Lab | C212 | PCC-CS 494 | 1.17 | 2.2 | 2.2 | 1 | 1 | - | - | - | 1 | - | - | 2 | 1.8 | 2.5 | 2 |
| 27 | Biology | C213 | BSC -401 | 1.33 | - | - | - | - | 2 | 3 | 1 | - | - | - | 1 | 1 | - | - |
| 28 | Formal Language & Automata Theory | C214 | PCC-CS 403 | 2 | 2.25 | 2.75 | - | - | - | - | - | - | - | - | - | 2.25 | 1 | - |
| 29 | Computer Architecture | C215 | PCC-CS 402 | 1.8 | 2.6 | 2.6 | 1.8 | 2 | - | - | - | 1 | 1 | - | - | 1.8 | 2.6 | 1 |

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|----|---------------------------------------|------|------------|------|------|------|-----|---|---|---|---|---|---|---|-----|-----|------|-----|
| 30 | Computer Architecture Lab | C216 | PCC-CS 492 | 1.8 | 2.6 | 2.6 | 1.8 | 2 | 1 | - | - | 1 | 1 | - | 1 | 1.8 | 2.6 | 1 |
| 31 | Environmental Sciences | C217 | MC 401 | 1.33 | - | - | - | - | 2 | 3 | 1 | - | - | - | 1 | 1 | - | 1 |
| 32 | Software Engineering | C301 | ESC 501 | 1 | 2 | 2 | 2 | - | - | - | - | 1 | - | - | - | 1 | 2 | 2 |
| 33 | Software Engineering Lab | C302 | ESC 591 | 1 | 2 | 2 | 2 | 1 | 1 | - | - | 1 | - | - | 2 | 1 | 2 | 2 |
| 34 | Compiler Design | C303 | PCC CS501 | 1.6 | 2 | 2.75 | - | - | - | - | - | - | - | - | - | 1 | 1.75 | 1 |
| 35 | Operating System | C304 | PCC CS502 | 1.2 | 2 | 1.4 | 1 | - | - | - | - | - | - | - | - | 1 | 1.5 | 1.5 |
| 36 | Operating System Lab | C305 | PCC CS592 | 1.2 | 2 | 1.4 | 1 | 1 | - | - | - | - | - | - | 1.5 | 1 | 1.5 | 1.5 |
| 37 | Object Oriented Programming | C306 | PCC CS503 | 1.5 | 2 | 1.5 | - | - | - | - | - | - | - | - | - | - | 1 | 2 |
| 38 | Object Oriented Programming Lab | C307 | PCC CS593 | 1.5 | 2 | 1.5 | 1 | 1 | - | - | - | 1 | 1 | - | 1.5 | - | 1 | 2 |
| 39 | Introduction to Industrial Management | C308 | HSMC 501 | - | - | - | - | - | - | - | 2 | 2 | 2 | 2 | - | 1 | - | - |
| 40 | Artificial Intelligence | C309 | PEC IT501B | 1.4 | 2 | 1 | 1 | - | 1 | - | - | 1 | - | - | 1 | 1.4 | 1.33 | 1 |
| 41 | Constitution of India | C310 | MC CS501 | - | - | - | - | - | 1 | 1 | 1 | - | - | - | 2 | - | - | - |
| 42 | Database Mgmt. System | C311 | PCC CS601 | 1.8 | 1.8 | 1.4 | 1 | 1 | - | - | - | 1 | - | - | 1 | 2.6 | 1.75 | 2 |
| 43 | Database Mgmt. System Lab | C312 | PCC CS691 | 1.8 | 1.8 | 1.4 | 1 | 1 | 1 | - | - | 1 | - | - | 2 | 2.6 | 1.75 | 2 |
| 44 | Computer Network | C313 | PCC CS602 | 1 | 1.75 | 1 | 1 | - | - | - | - | - | - | - | - | 1 | 1 | 1 |

Kolkata Office : Chatterjee International Centre, 12th Floor, 33A, Chowringhee Road, Kolkata - 71
 Tel. : (033) 2226 9785, 2226 4396, 2357 6163, 2357 6164, Fax : (033) 2226 2814, 2357 2450
 e-mail : info@technoindiagroup.com, Website : www.technoindiagroup.com



Siliguri Institute of Technology

P.O. SUKNA, SILIGURI, DIST. DARJEELING, PIN : 734 009
 Tel. : (0353) 2778002 / 04, Fax : (0353) 2778003
 e-mail : sittechno@rediffmail.com
 sitsiliguriwb@yahoo.com

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|----|---|------|------------|-----|------|------|-----|---|-----|-----|---|-----|-----|-----|-----|-----|-----|---|
| 45 | Computer Network Lab | C314 | PCC CS692 | 1 | 1.75 | 1 | 1 | 1 | 1 | - | - | - | 1 | - | 1 | 1 | 1 | 1 |
| 46 | Distributed Systems | C315 | PEC IT601B | 2 | 3 | 3 | - | 2 | - | - | - | - | - | - | 2 | 1 | 2 | 1 |
| 47 | Image Processing | C316 | PEC IT601D | 2 | 2 | 2.6 | - | - | - | - | - | - | - | - | 1.8 | 1 | 2 | 1 |
| 48 | Data warehousing & Data Mining | C317 | PEC IT602B | 1 | 2 | 1.67 | - | - | - | - | - | - | - | - | - | 1.5 | 1 | 2 |
| 49 | Numerical Methods | C318 | OEC IT601A | 1 | 1 | - | - | 1 | - | - | 1 | 1 | 1 | - | 1 | 1 | 1 | 0 |
| 50 | Research Methodology | C319 | PROJ CS601 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 2 | 2 | 1 |
| 51 | Cloud Computing | C401 | PEC IT701C | 2 | 3 | 3 | 2 | - | - | - | - | 3 | 1 | - | - | 1 | 3 | 1 |
| 52 | Machine Learning | C402 | PEC IT701D | 2 | 1.8 | 2 | - | - | 2.3 | 2.4 | - | - | - | 2 | 1.4 | 2 | - | 2 |
| 53 | Cyber Security | C403 | PEC IT702F | 1 | 1.6 | 1.6 | 1.2 | 2 | 2 | 2 | 2 | 1.2 | 1.2 | 0.8 | 2 | 1.2 | 1.6 | 1 |
| 54 | Operation Research | C404 | OEC IT701A | 1.8 | 1.8 | - | 0 | - | - | - | - | - | - | - | - | 1.8 | - | - |
| 55 | Multimedia Technology | C405 | PECIT702A | 1 | 1 | 2 | 1 | - | 1 | - | - | 1 | - | - | - | 1.5 | 1 | 1 |
| 59 | Softskill and Interpersonal Communication | C409 | OECIT701C | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 |
| 56 | Project Management and Entrepreneurship | C406 | HSMC 701 | 1 | 2 | 2 | - | 2 | 1 | - | - | 2 | - | 2 | 1 | 1 | 1 | 1 |
| 57 | Project - II | C407 | PROJIT781 | 3 | 2.4 | 3 | 3 | - | - | 2 | 1 | 2 | - | 2 | 2 | 3 | 2 | 1 |
| 58 | Cryptography & Network Security | C408 | PECIT801B | 1 | 1.75 | 2 | 1.5 | - | - | - | - | - | - | - | - | 1 | 2 | 1 |

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 Tel. : (033) 2226 9785, 2226 4396, 2357 6163, 2357 6164, Fax : (033) 2226 2814, 2357 2450
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Siliguri Institute of Technology

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 Tel. : (0353) 2778002 / 04, Fax : (0353) 2778003
 e-mail : sittechno@rediffmail.com
 sitsiliguriwb@yahoo.com

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|----------------------------------|----------------------|------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 59 | Cyber Law and Ethics | C409 | OECIT801B | 0.5 | 0.5 | 1 | 0.5 | 0.25 | 1.5 | 1.5 | 1.5 | 0 | 0 | 0 | 1.5 | 0 | 1 | 1 |
| 60 | E-Commerce and ERP | C410 | OECIT802A | 1 | 3 | 2 | - | - | - | - | - | 1 | - | - | - | - | 2 | 1 |
| 61 | Project - III | C411 | PROJ CS881 | 3 | 2.4 | 3 | 3 | - | - | 2 | 1 | 2 | - | 2 | 2 | 3 | 2 | 2 |
| CO-PO ATTAINMENT (TARGET) | | | | 1.31 | 1.69 | 1.78 | 1.46 | 1.27 | 1.23 | 1.99 | 1.1 | 1.32 | 1.09 | 1.73 | 1.28 | 1.28 | 1.58 | 1.27 |

| | P01 | P02 | P03 | P04 | P05 | P06 | P07 | P08 | P09 | P010 | P011 | P012 | PS01 | PS02 | PS03 |
|----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| CO TARGET | 1.48 | 1.89 | 1.85 | 1.5 | 1.32 | 1.23 | 1.99 | 1.2 | 1.45 | 1.18 | 1.73 | 1.35 | 1.44 | 1.63 | 1.36 |
| CO ATTAINMENT | 1.31 | 1.69 | 1.78 | 1.46 | 1.27 | 1.23 | 1.99 | 1.10 | 1.32 | 1.09 | 1.73 | 1.28 | 1.28 | 1.58 | 1.27 |

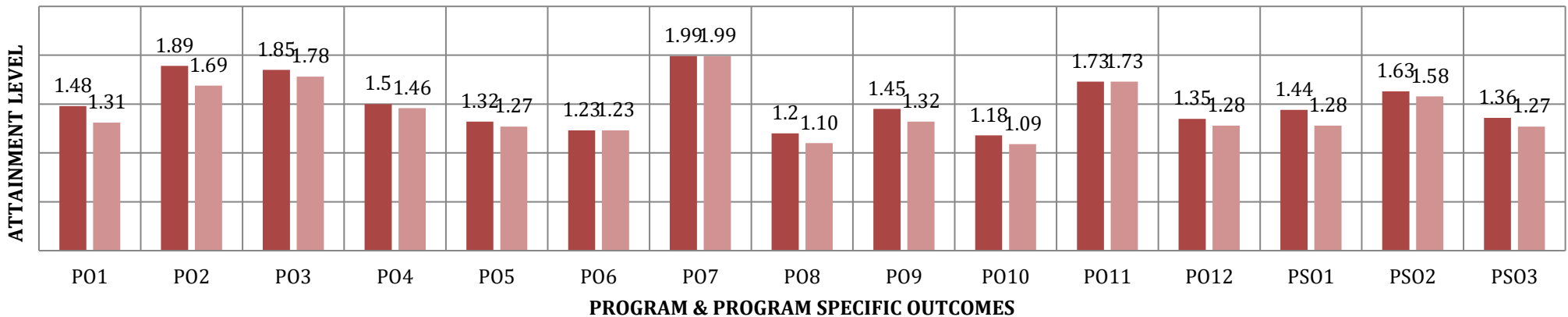


Siliguri Institute of Technology

P.O. SUKNA, SILIGURI, DIST. DARJEELING, PIN : 734 009
 Tel. : (0353) 2778002 / 04, Fax : (0353) 2778003
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 sitsiliguriwb@yahoo.com

PO & PSO ATTAINMENT

■ CO TARGET ■ CO ATTAINMENT



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 Tel. : (033) 2226 9785, 2226 4396, 2357 6163, 2357 6164, Fax : (033) 2226 2814, 2357 2450
 e-mail : info@technoindiagroup.com, Website : www.technoindiagroup.com



Siliguri Institute of Technology

P.O. SUKNA, SILIGURI, DIST. DARJEELING, PIN : 734 009
Tel. : (0353) 2778002 / 04, Fax : (0353) 2778003
e-mail : sittechno@rediffmail.com
sitsiliguriwb@yahoo.com

For additional information the following link may be accessed

<https://sittechno.org/criteria-2-6-1-aqar-22-23-support-links.html>


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Siliguri Institute of Technology

Kolkata Office : Chatterjee International Centre, 12th Floor, 33A, Chowringhee Road, Kolkata - 71
Tel. : (033) 2226 9785, 2226 4396, 2357 6163, 2357 6164, Fax : (033) 2226 2814, 2357 2450
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Tel. : (0353) 2778002 / 04, Fax : (0353) 2778003
e-mail : sittechno@rediffmail.com
sitsiliguriwb@yahoo.com

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e-mail : info@technoindiagroup.com, Website : www.technoindiagroup.com