# भारतीय प्रौद्योगिकी संस्थान पटना
## Indian Institute of Technology Patna

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| **Roll No:** 0401CS18 | **Name:** Gelya Lowther | **Year of Admission:** 2004 |
| **Programme:** Bachelor of Technology | **Course:** Computer Science and Engineering | |

### Semester 1

| Sub. Code | Subject Name | L-T-P | CRD | GRD |
|---|---|---|---|---|
| CH101 | Chemistry - I | 3-1-0 | 8 | DD |
| CH110 | Chemistry Laboratory | 0-0-3 | 3 | BB |
| EE101 | Electrical Sciences | 3-1-0 | 8 | DD |
| HS101 | English : Language Through Literature | 3-0-0 | 6 | CD |
| MA101 | Mathematics - I | 3-1-0 | 8 | DD |
| ME111 | Engineering Drawing | 2-0-3 | 7 | CC |
| PH101 | Physics - I | 2-1-0 | 6 | DD |
| PH110 | Physics Laboratory | 0-0-3 | 3 | BC |

**Credits taken: 49  Credits Cleared: 49  SPI: 4.84  CPI: 4.84**

### Semester 2

| Sub. Code | Subject Name | L-T-P | CRD | GRD |
|---|---|---|---|---|
| CH102 | Chemistry - II | 3-0-0 | 6 | DD |
| CS101 | Introduction to Computing | 3-0-0 | 6 | CC |
| CS110 | Computing Laboratory | 0-0-3 | 3 | CD |
| EE102 | Basic Electronics Laboratory | 0-0-4 | 4 | DD |
| MA102 | Mathematics - II | 3-1-0 | 8 | DD |
| ME101 | Engineering Mechanics | 3-1-0 | 8 | DD |
| ME110 | Workshop - I | 0-0-3 | 3 | BB |
| PH102 | Physics - II | 2-1-0 | 6 | CD |

**Credits taken: 44  Credits Cleared: 44  SPI: 4.75  CPI: 4.8**

### Semester 3

| Sub. Code | Subject Name | L-T-P | CRD | GRD |
|---|---|---|---|---|
| CS201 | Object Oriented Programming and Data Structures | 3-0-3 | 9 | CD |
| CS203 | Discrete Mathematics | 3-0-0 | 6 | BC |
| CS221 | Digital Design | 3-0-0 | 6 | DD |
| EE220 | Signal, System and Networks | 3-1-0 | 8 | DD |
| HS201 | Introductory Microeconomics | 3-0-0 | 6 | CC |
| MA201 | Mathematics - III | 3-1-0 | 8 | DD |

**Credits taken: 43  Credits Cleared: 43  SPI: 4.91  CPI: 4.83**

### Semester 4

| Sub. Code | Subject Name | L-T-P | CRD | GRD |
|---|---|---|---|---|
| CS204 | Algorithms | 3-0-0 | 6 | BC |
| CS222 | Computer Organization and Architecture | 3-0-0 | 6 | DD |
| CS223 | Hardware Laboratory | 0-0-3 | 3 | CD |
| CS241 | Software Engineering | 2-0-3 | 7 | BC |
| CS242 | Systems Programming Laboratory | 0-1-3 | 5 | BB |
| HS223 | Cognition: Language and Computation | 3-0-0 | 6 | CD |
| MA225 | Probability Theory and Random Processes | 3-1-0 | 8 | CC |
| MA251 | Optimization Techniques | 3-0-0 | 6 | DD |

**Credits taken: 47  Credits Cleared: 47  SPI: 5.79  CPI: 5.08**

### Semester 5

| Sub. Code | Subject Name | L-T-P | CRD | GRD |
|---|---|---|---|---|
| CS301 | Formal Language and Automata | 3-0-0 | 6 | CD |
| CS331 | Programming Language | 3-0-2 | 8 | DD |
| CS341 | Operating Systems | 3-0-0 | 6 | CC |
| CS342 | Operating Systems Laboratory | 0-1-3 | 5 | BC |
| CS343 | Data Communications | 3-0-0 | 6 | CD |
| CS344 | Databases | 3-0-0 | 6 | DD |
| CS345 | Databases Laboratory | 0-1-3 | 5 | CC |

**Credits taken: 42  Credits Cleared: 42  SPI: 5.17  CPI: 5.09**

### Semester 6

| Sub. Code | Subject Name | L-T-P | CRD | GRD |
|---|---|---|---|---|
| CS302 | Theory of Computation | 3-0-0 | 6 | DD |
| CS346 | Compilers | 3-0-0 | 6 | DD |
| CS347 | Compliers Laboratory | 0-0-3 | 3 | BC |
| CS348 | Computer Networks | 3-0-2 | 8 | DD |
| CS362 | Computer Graphics | 3-0-2 | 8 | DD |
| CS399 | Seminar | 0-0-3 | 3 | AB |
| HS331 | Sociology of Development | 3-0-0 | 6 | CD |

**Credits taken: 40  Credits Cleared: 40  SPI: 4.75  CPI: 5.04**

### Semester 7

| Sub. Code | Subject Name | L-T-P | CRD | GRD |
|---|---|---|---|---|
| CS400 | Summer Training | 0-0-0 | 2 | BB |
| CS421 | Computer Peripherals and Interfacing | 3-0-0 | 6 | DD |
| CS422 | Peripherals and Interfacing Lab | 0-1-3 | 5 | DD |
| CS443 | Distributed Systems | 3-0-0 | 6 | BB |
| CS461 | Artificial Intelligence | 3-0-0 | 6 | BC |
| CS498 | Project - I | 0-0-10 | 10 | CC |
| PH401 | Introduction to Nanomaterials | 3-0-0 | 6 | BC |

**Credits taken: 41  Credits Cleared: 41  SPI: 6.15  CPI: 5.19**

### Semester 8

| Sub. Code | Subject Name | L-T-P | CRD | GRD |
|---|---|---|---|---|
| CS452 | Internet Protocols | 3-0-0 | 6 | CD |
| CS453 | Wireless Sensor Networks | 3-0-0 | 6 | BB |
| CS499 | Project - II | 0-0-16 | 16 | BC |
| HS441 | Industrial and Organizational Psychology | 3-0-0 | 6 | CC |
| PH403 | Photovoltaics & Fuel Cell Technology | 3-0-0 | 6 | AB |

**Credits taken: 40  Credits Cleared: 40  SPI: 7.0  CPI: 5.4**

Date of Issue: 04 Dec 2021, 01:15

Patna 801106
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Assitant Registrar (Academic)