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

**Roll No:** 0401CS31 **Name:** Sheeree Begin **Year of Admission:** 2004

**Programmme:** 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 | BC |
| CH110 | Chemistry Laboratory | 0-0-3 | 3 | BB |
| EE101 | Electrical Sciences | 3-1-0 | 8 | CC |
| HS101 | English : Language Through Literature | 3-0-0 | 6 | BB |
| MA101 | Mathematics - I | 3-1-0 | 8 | CD |
| ME111 | Engineering Drawing | 2-0-3 | 7 | BB |
| PH101 | Physics - I | 2-1-0 | 6 | CC |
| PH110 | Physics Laboratory | 0-0-3 | 3 | AA |

Credits Taken: 49   Cleared: 49   SPI: 7.06   CPI: 7.06

### Semester 2

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

Credits Taken: 44   Cleared: 44   SPI: 7.07   CPI: 7.06

### Semester 3

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

Credits Taken: 43   Cleared: 43   SPI: 8.35   CPI: 7.47

### Semester 4

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

Credits Taken: 47   Cleared: 47   SPI: 7.26   CPI: 7.42

### Semester 5

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

Credits Taken: 42   Cleared: 42   SPI: 8.12   CPI: 7.55

### Semester 6

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

Credits Taken: 40   Cleared: 40   SPI: 8.15   CPI: 7.64

### Semester 7

| Sub Code | Subject Name | L-T-P | CRD | GRD |
|---|---|---|---|---|
| CS400 | Summer Training | 0-0-0 | 2 | AA |
| CS401 | Foundations of Computer Science | 3-0-0 | 6 | BB |
| CS421 | Computer Peripherals and Interfacing | 3-0-0 | 6 | BC |
| CS422 | Peripherals and Interfacing Lab | 0-1-3 | 5 | BB |
| CS441 | Topics in Databases | 3-0-0 | 6 | AB |
| CS443 | Distributed Systems | 3-0-0 | 6 | AB |
| CS498 | Project - I | 0-0-10 | 10 | AA |

Credits Taken: 41   Cleared: 41   SPI: 8.73   CPI: 7.78

### Semester 8

| Sub Code | Subject Name | L-T-P | CRD | GRD |
|---|---|---|---|---|
| CS449 | Computer and Network Security | 3-0-0 | 6 | BB |
| CS452 | Internet Protocols | 3-0-0 | 6 | BB |
| CS499 | Project - II | 0-0-16 | 16 | AA |
| HS441 | Industrial and Organizational Psychology | 3-0-0 | 6 | BB |
| MA412 | Matrix Computation | 3-0-0 | 6 | BC |

Credits Taken: 40   Cleared: 40   SPI: 8.65   CPI: 7.88

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Patna 801106
IIT PATNA

Assistant Registrar(Academic):