

# भारतीय प्रोद्योगिकी संस्थान पटना Indian Institute of Technology Patna Transcript



Roll No: 0401CS18 Name: Amelia Jonas Year of admission: 2019
Programme: Bachelor of Technology Course: Computer Science and Engineering

#### Semester 1

| Sub. Code           | Subject Name                           | L-T-P    | CRD  | GRD      |
|---------------------|--|----------|------|----------|
| Jub. Code           | <u>Jubject Hairie</u>                  | <u> </u> | SIND | <u> </u> |
| CH101               | Chemistry - I                          | 3-1-0    | 8    | 4        |
| CH110               | Chemistry Laboratory                   | 0-0-3    | 3    | 8        |
| EE101               | Electrical Sciences                    | 3-1-0    | 8    | 4        |
| HS101               | English : Language Through Literature  | 3-0-0    | 6    | 5        |
| MA101               | Mathematics - I                        | 3-1-0    | 8    | 4        |
| ME111               | Engineering Drawing                    | 2-0-3    | 7    | 6        |
| PH101               | Physics - I                            | 2-1-0    | 6    | 4        |
| PH110               | Physics Laboratory                     | 0-0-3    | 3    | 7        |
| Credits Taken: 49 C | redits Cleared: 49 SPI: 4.84 CPI: 4.84 |          | •    | •        |

#### Semester 2

| Semester 2          |                                       |       |     |     |
|---------------------|---------------------------------------|-------|-----|-----|
| Sub. Code           | Subject Name                          | L-T-P | CRD | GRD |
| CH102               | Chemistry - II                        | 3-0-0 | 6   | 4   |
| CS101               | Introduction to Computing             | 3-0-0 | 6   | 6   |
| CS110               | Computing Laboratory                  | 0-0-3 | 3   | 5   |
| EE102               | Basic Electronics Laboratory          | 0-0-4 | 4   | 4   |
| MA102               | Mathematics - II                      | 3-1-0 | 8   | 4   |
| ME101               | Engineering Mechanics                 | 3-1-0 | 8   | 4   |
| ME110               | Workshop - I                          | 0-0-3 | 3   | 8   |
| PH102               | Physics - II                          | 2-1-0 | 6   | 5   |
| Credits Taken: 44 C | redits 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   | 5   |
| CS203                | Discrete Mathematics                            | 3-0-0 | 6   | 7   |
| CS221                | Digital Design                                  | 3-0-0 | 6   | 4   |
| EE220                | Signal, System and Networks                     | 3-1-0 | 8   | 4   |
| HS201                | Introductory Microeconomics                     | 3-0-0 | 6   | 6   |
| MA201                | Mathematics - III                               | 3-1-0 | 8   | 4   |
| Credits Taken: 43 Cr | redits Cleared: 43 SPI: 4.91 CPI: 4.83          |       | •   |     |

#### Semester 4

| Sub. Code         | Subject Name                            | L-T-P | CRD | <u>GRD</u> |
|-------------------|---|-------|-----|------------|
| CS204             | Algorithms                              | 3-0-0 | 6   | 7          |
| CS222             | Computer Organization and Architecture  | 3-0-0 | 6   | 4          |
| CS223             | Hardware Laboratory                     | 0-0-3 | 3   | 5          |
| CS241             | Software Engineering                    | 2-0-3 | 7   | 7          |
| CS242             | Systems Programming Laboratory          | 0-1-3 | 5   | 8          |
| HS223             | Cognition: Language and Computation     | 3-0-0 | 6   | 5          |
| MA225             | Probability Theory and Random Processes | 3-1-0 | 8   | 6          |
| MA251             | Optimization Techniques                 | 3-0-0 | 6   | 4          |
| Credits Taken: 47 | Credits Cleared: 47 SPI: 5.79 CPI: 5.08 |       |     | •          |

## Semester 5

| Sub. Code         | Subject Name                           | L-T-P | CRD | <u>GRD</u> |
|-------------------|--|-------|-----|------------|
| CS301             | Formal Language and Automata           | 3-0-0 | 6   | 5          |
| CS331             | Programming Language                   | 3-0-2 | 8   | 4          |
| CS341             | Operating Systems                      | 3-0-0 | 6   | 6          |
| CS342             | Operating Systems Laboratory           | 0-1-3 | 5   | 7          |
| CS343             | Data Communications                    | 3-0-0 | 6   | 5          |
| CS344             | Databases                              | 3-0-0 | 6   | 4          |
| CS345             | Databases Laboratory                   | 0-1-3 | 5   | 6          |
| Credits Taken: 42 | Credits Cleared: 42 SPI: 5.17 CPI: 5.1 |       | •   |            |

#### Semester 6

| Sub. Code         | Subject Name                           | L-T-P | CRD | GRD |
|-------------------|--|-------|-----|-----|
| CS302             | Theory of Computation                  | 3-0-0 | 6   | 4   |
| CS346             | Compilers                              | 3-0-0 | 6   | 4   |
| CS347             | Compliers Laboratory                   | 0-0-3 | 3   | 7   |
| CS348             | Computer Networks                      | 3-0-2 | 8   | 4   |
| CS362             | Computer Graphics                      | 3-0-2 | 8   | 4   |
| CS399             | Seminar                                | 0-0-3 | 3   | 9   |
| HS331             | Sociology of Development               | 3-0-0 | 6   | 5   |
| Credits Taken: 40 | redits Cleared: 40 SPI: 4.75 CPI: 5.04 |       | 1   | 1   |

# Semester 7

| Sub. Code            | Subject Name                           | L-T-P  | CRD | GRD |
|----------------------|--|--------|-----|-----|
| CS400                | Summer Training                        | 0-0-0  | 2   | 8   |
| CS421                | Computer Peripherals and Interfacing   | 3-0-0  | 6   | 4   |
| CS422                | Peripherals and Interfacing Lab        | 0-1-3  | 5   | 4   |
| CS443                | Distributed Systems                    | 3-0-0  | 6   | 8   |
| CS461                | Artificial Intelligence                | 3-0-0  | 6   | 7   |
| CS498                | Project - I                            | 0-0-10 | 10  | 6   |
| PH401                | Introduction to Nanomaterials          | 3-0-0  | 6   | 7   |
| Credits Taken: 41 Cr | redits 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   | 5   |
| CS453               | Wireless Sensor Networks                 | 3-0-0  | 6   | 8   |
| CS499               | Project - II                             | 0-0-16 | 16  | 7   |
| HS441               | Industrial and Organizational Psychology | 3-0-0  | 6   | 6   |
| PH403               | Photovoltaics & Fuel Cell Technology     | 3-0-0  | 6   | 9   |
| Credits Taken: 40 C | redits Cleared: 40 SPI: 7.0 CPI: 5.4     |        | •   |     |

Date of issue: \_\_\_\_\_ Assistant Registrar (Academic)