

# भारतीय प्रौद्योगिकी संस्थान पटना Indian Institute of Technology Patna



## Transcript

Roll No.: 0501EE13

Name: Ashly Keigher

Year of Admission: 2005

Programme: Bachelor of Technology

Course : EE

#### Semester 1

| GRD | CRD | L-T-P | Subject Name                          | Sub Code |
|-----|-----|-------|---------------------------------------|----------|
| ВВ  | 8   | 3-1-0 | Chemistry - I                         | CH101    |
| AB  | 3   | 0-0-3 | Chemistry Laboratory                  | CH110    |
| ВВ  | 8   | 3-1-0 | Electrical Sciences                   | EE101    |
| ВВ  | 6   | 3-0-0 | English : Language Through Literature | HS101    |
| сс  | 8   | 3-1-0 | Mathematics - I                       | MA101    |
| АВ  | 3   | 0-0-3 | Workshop - I                          | ME110    |
| AB  | 7   | 2-0-3 | Engineering Drawing                   | ME111    |
| ВВ  | 6   | 2-1-0 | Physics - I                           | PH101    |

Credits Taken: 49 Credits Cleared: 49 SPI: 7.94 CPI: 7.94

### Semester 2

| Sub Code | Subject Name                 | L-T-P | CRD | GRD |
|----------|------------------------------|-------|-----|-----|
| CH102    | Chemistry - II               | 3-0-0 | 6   | вс  |
| CS101    | Introduction to Computing    | 3-0-0 | 6   | сс  |
| CS110    | Computing Laboratory         | 0-0-3 | 3   | вс  |
| EE102    | Basic Electronics Laboratory | 0-0-4 | 4   | AB  |
| MA102    | Mathematics - II             | 3-1-0 | 8   | CD  |
| ME101    | Engineering Mechanics        | 3-1-0 | 8   | вс  |
| PH102    | Physics - II                 | 2-1-0 | 6   | сс  |
| PH110    | Physics Laboratory           | 0-0-3 | 3   | вс  |

Credits Taken: 44 Credits Cleared: 44 SPI: 6.55 CPI: 7.28

#### Semester 3

| Sub Code | Subject Name                                    | L-T-P | CRD | GRD |
|----------|---|-------|-----|-----|
| CS201    | Object Oriented Programming and Data Structures | 3-0-3 | 9   | ВВ  |
| EE200    | Semiconductor Devices and Circuits              | 3-0-0 | 6   | ВС  |
| EE201    | Digital Circuits and Microprocessors            | 3-0-0 | 6   | ВС  |
| EE202    | Digital Circuits Laboratory                     | 0-0-3 | 3   | АВ  |
| EE220    | Signal, System and Networks                     | 3-1-0 | 8   | ВВ  |
| HS201    | Introductory Microeconomics                     | 3-0-0 | 6   | ВВ  |
| MA201    | Mathematics - III                               | 3-1-0 | 8   | ВВ  |

SPI : 7.8 CPI : 7.45 Credits Taken: 46 Credits Cleared: 46

#### Semester 4

| Sub Code | Subject Name                            | L-T-P | CRD | GRD |
|----------|---|-------|-----|-----|
| EE203    | Analog Integrated Circuits              | 3-0-0 | 6   | вс  |
| EE204    | Analog Circuits Laboratory              | 0-0-3 | 3   | АВ  |
| EE230    | Principles of Communication             | 3-1-0 | 8   | ВВ  |
| EE280    | Electrical Machines                     | 3-0-0 | 6   | сс  |
| EE281    | Electrical Machines Laboratory          | 0-0-3 | 3   | ВВ  |
| HS202    | Introductory Macroeconomics             | 3-0-0 | 6   | АВ  |
| MA225    | Probability Theory and Random Processes | 3-1-0 | 8   | вс  |
| MA251    | Optimization Techniques                 | 3-0-0 | 6   | ВВ  |

Credits Taken: 46 Credits Cleared: 46 SPI: 7.63 CPI: 7.5

#### Semester 5

| Sub Code | Subject Name                    | L-T-P | CRD | GRD |
|----------|---------------------------------|-------|-----|-----|
| EE310    | Introduction to VLSI Design     | 3-0-0 | 6   | ВВ  |
| EE311    | VLSI laboratory                 | 0-0-3 | 3   | ВС  |
| EE320    | Digital Signal Processing       | 3-0-0 | 6   | АВ  |
| EE331    | Communication Laboratory        | 0-0-3 | 3   | AB  |
| EE350    | Control Systems                 | 3-0-0 | 6   | ВВ  |
| EE370    | Electronic Instrumentation      | 3-0-0 | 6   | ВВ  |
| EE371    | Instrumentation and Control Lab | 0-0-3 | 3   | AA  |
| EE380    | Electrical Power Systems        | 3-0-0 | 6   | сс  |

Credits Taken: 39 Credits Cleared: 39 CPI: 7.58

#### Semester 6

| Sub Code | Subject Name                                   | L-T-P | CRD | GRD |
|----------|--|-------|-----|-----|
| EE304    | Design Laboratory                              | 0-0-4 | 4   | АВ  |
| EE321    | Digital Signal Processing Laboratory           | 0-0-3 | 3   | AB  |
| EE322    | Mathematical Methods in Electrical Engineering | 3-0-0 | 6   | ВС  |
| EE340    | Electromagnetic Theory                         | 3-0-0 | 6   | ВВ  |
| EE351    | Advanced Control Systems                       | 3-0-0 | 6   | сс  |
| EE360    | Embedded Systems                               | 3-0-0 | 6   | ВВ  |
| EE361    | Embedded Systems Laboratory                    | 0-0-3 | 3   | AA  |
| HS331    | Sociology of Development                       | 3-0-0 | 6   | ВВ  |

Credits Taken: 40 Credits Cleared: 40 SPI: 7.88 CPI: 7.63

#### Semester 7

Credits Taken: 43 Credits Cleared: 43

| Sub Code | Subject Name                                   | L-T-P | CRD | GRD |
|----------|--|-------|-----|-----|
| EE400    | Summer Training                                | 0-0-0 | 2   | AA  |
| EE410    | VLSI CAD                                       | 3-0-0 | 6   | ВВ  |
| EE430    | Fiber Optic Transmission Systems and Networks  | 3-0-0 | 6   | ВВ  |
| EE480    | Electrical Power Systems Operation and Control | 3-0-0 | 6   | CD  |
| EE481    | Power Electronics and Drives                   | 3-0-0 | 6   | CD  |
| EE482    | Advanced Electrical Engineering Laboratory     | 0-0-3 | 3   | ВВ  |
| EE498    | Project - I                                    | 0-0-8 | 8   | ВВ  |
| PH402    | Solid State Devices                            | 3-0-0 | 6   | АВ  |

SPI: 7.4 CPI: 7.6

## Semester 8

| Sub Code | Subject Name                             | L-T-P  | CRD | GRD |
|----------|--|--------|-----|-----|
| EE483    | Distributed Energy Resources             | 3-0-0  | 6   | CD  |
| EE499    | Project - II                             | 0-0-14 | 14  | CD  |
| EE508    | Intelligent Visual Surveillance Systems  | 3-0-0  | 6   | ВВ  |
| HS441    | Industrial and Organizational Psychology | 3-0-0  | 6   | ВВ  |
| ME512    | Mobile Robotics                          | 3-0-0  | 6   | ВС  |

Credits Taken: 38 Credits Cleared: 38 SPI: 6.26 CPI: 7.45

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