

# भारतीय प्रौद्योगिकी संस्थान पटना Indian Institute of Technology Patna



Transcript

Roll\_Number: 0401EE18 Name: Louisette Boggers Year of Admission: 2004

**Programme:** Bachelor of Technology Course: Electrical and Electronics Engineering

## Semester 1

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

Credits Taken:49 Credits Cleared:49 SPI:7.45 CPI:7.45

## Semester 2

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

Credits Taken:44 Credits Cleared:44 SPI:7.09 CPI:7.09

## Semester 3

| Sub. Code | Subject Name                           | L-T-P | CRD | GRD |
|-----------|--|-------|-----|-----|
| CS201     | Object Oriented Programming and Data   | 3-0-3 | 9   | BC  |
| EE200     | Semiconduct StriDetxiness and Circuits | 3-0-0 | 6   | AA  |
| EE201     | Digital Circuits and Microprocessors   | 3-0-0 | 6   | BC  |
| EE202     | Digital Circuits Laboratory            | 0-0-3 | 3   | BC  |
| 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:46 Credits Cleared:46 SPI:8.0 CPI:8.0

# Semester 4

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

Credits Taken:46 Credits Cleared:46 SPI:7.57 CPI:7.57

## **Semester 5**

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

Credits Taken:39 Credits Cleared:39 SPI:7.23 CPI:7.23

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## **Semester 6**

| Sub. Code | Subject Name                         | L-T-P | CRD | GRD |
|-----------|--------------------------------------|-------|-----|-----|
| EE304     | Design Laboratory                    | 0-0-4 | 4   | BB  |
| EE321     | Digital Signal Processing Laboratory | 0-0-3 | 3   | AB  |
| EE322     | Mathematical Methods in Electrical   | 3-0-0 | 6   | BC  |
| EE340     | Electr <b>Emgignecti</b> in Theory   | 3-0-0 | 6   | BB  |
| EE351     | Advanced Control Systems             | 3-0-0 | 6   | DD  |
| EE360     | Embedded Systems                     | 3-0-0 | 6   | CC  |
| EE361     | Embedded Systems Laboratory          | 0-0-3 | 3   | CC  |
| HS331     | Sociology of Development             | 3-0-0 | 6   | BB  |

Credits Taken:40 Credits Cleared:40 SPI:6.88 CPI:6.88

#### Semester 7

| Sub. Code | Subject Name                             | L-T-P | CRD | GRD |
|-----------|--|-------|-----|-----|
| EE400     | Summer Training                          | 0-0-0 | 2   | BB  |
| EE430     | Fiber Optic Transmission Systems and     | 3-0-0 | 6   | CC  |
| EE480     | Electrical PoweNStysterkos Operation and | 3-0-0 | 6   | CC  |
| EE481     | Power Electronics and Drives             | 3-0-0 | 6   | BC  |
| EE482     | Advanced Electrical Engineering          | 0-0-3 | 3   | DD  |
| EE490     | Imalgab Bratussing                       | 3-0-0 | 6   | BC  |
| EE498     | Project - I                              | 0-0-8 | 8   | CC  |
| ME481     | Introduction to Biomechanics             | 3-0-0 | 6   | BB  |

Credits Taken:43 Credits Cleared:43 SPI:6.51 CPI:6.51

### **Semester 8**

| Sub. Code | Subject Name                             | L-T-P  | CRD | GRD |
|-----------|--|--------|-----|-----|
| EE483     | Distributed Energy Resources             | 3-0-0  | 6   | BC  |
| EE491     | Visual Surveillance Systems              | 3-0-0  | 6   | BC  |
| EE499     | Project - II                             | 0-0-14 | 14  | CD  |
| HS441     | Industrial and Organizational Psychology | 3-0-0  | 6   | ВС  |
| MA412     | Matrix Computation                       | 3-0-0  | 6   | BB  |

Credits Taken:38 Credits Cleared:38 SPI:6.42 CPI:6.42



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**Asssistant Registrar (Academic)**