



# भारतीय प्रौद्योगिकी संस्थान पटना

## Indian Institute of Technology Patna

### Transcript



**Roll Number:** 0401EE24

**Name:** Jackquelin Luke

**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   | BC  |
| 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   | BB  |
| MA101     | Mathematics - I                       | 3-1-0 | 8   | CC  |
| ME111     | Engineering Drawing                   | 2-0-3 | 7   | BB  |
| PH101     | Physics - I                           | 2-1-0 | 6   | CD  |
| PH110     | Physics Laboratory                    | 0-0-3 | 3   | AA  |

Credits Taken: 49 Credits 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   | CC  |
| CS101     | Introduction to Computing    | 3-0-0 | 6   | DD  |
| CS110     | Computing Laboratory         | 0-0-3 | 3   | CD  |
| EE102     | Basic Electronics Laboratory | 0-0-4 | 4   | BC  |
| 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   | CD  |

Credits Taken: 44 Credits Cleared: 44 SPI: 5.64 CPI: 6.39

### Semester 3

| Sub. Code | Subject Name                                    | L-T-P | CRD | GRD |
|-----------|---|-------|-----|-----|
| CS201     | Object Oriented Programming and Data Structures | 3-0-3 | 9   | CC  |
| EE200     | Semiconductor Devices and Circuits              | 3-0-0 | 6   | BB  |
| 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   | CD  |
| HS201     | Introductory Microeconomics                     | 3-0-0 | 6   | AB  |
| MA201     | Mathematics - III                               | 3-1-0 | 8   | CC  |

Credits Taken: 46 Credits Cleared: 46 SPI: 6.67 CPI: 6.48

### 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   | AB  |
| EE230     | Principles of Communication             | 3-1-0 | 8   | AB  |
| EE280     | Electrical Machines                     | 3-0-0 | 6   | BC  |
| EE281     | Electrical Machines Laboratory          | 0-0-3 | 3   | AB  |
| HS202     | Introductory Macroeconomics             | 3-0-0 | 6   | BB  |
| MA225     | Probability Theory and Random Processes | 3-1-0 | 8   | CC  |
| MA251     | Optimization Techniques                 | 3-0-0 | 6   | BC  |

Credits Taken: 46 Credits Cleared: 46 SPI: 7.7 CPI: 6.78

### Semester 5

| Sub. Code | Subject Name                    | L-T-P | CRD | GRD |
|-----------|---------------------------------|-------|-----|-----|
| EE310     | Introduction to VLSI Design     | 3-0-0 | 6   | BC  |
| EE311     | VLSI laboratory                 | 0-0-3 | 3   | BB  |
| EE320     | Digital Signal Processing       | 3-0-0 | 6   | AB  |
| 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   | AB  |

Credits Taken: 39 Credits Cleared: 39 SPI: 8.0 CPI: 6.99

### Semester 6

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

Credits Taken: 40 Credits Cleared: 40 SPI: 8.13 CPI: 7.16

### Semester 7

| Sub. Code | Subject Name                                   | L-T-P | CRD | GRD |
|-----------|--|-------|-----|-----|
| EE400     | Summer Training                                | 0-0-0 | 2   | AB  |
| EE430     | Fiber Optic Transmission Systems and Networks  | 3-0-0 | 6   | BB  |
| EE480     | Electrical Power Systems Operation and Control | 3-0-0 | 6   | BB  |
| EE481     | Power Electronics and Drives                   | 3-0-0 | 6   | AB  |
| EE482     | Advanced Electrical Engineering Laboratory     | 0-0-3 | 3   | AA  |
| EE490     | Image Processing                               | 3-0-0 | 6   | AB  |
| EE498     | Project - I                                    | 0-0-8 | 8   | AB  |
| PH402     | Solid State Devices                            | 3-0-0 | 6   | BB  |

Credits Taken: 43 Credits Cleared: 43 SPI: 8.65 CPI: 7.37

### Semester 8

| Sub. Code | Subject Name                             | L-T-P | CRD | GRD |
|-----------|--|-------|-----|-----|
| EE483     | Distributed Energy Resources             | 3-0-0 | 6   | AA  |
| EE491     | Visual Surveillance Systems              | 3-0-0 | 6   | AB  |
| EE499     | Project - II                             | 0-0-1 | 14  | BC  |
| HS441     | Industrial and Organizational Psychology | 3-0-0 | 6   | BB  |
| PH403     | Photovoltaics & Fuel Cell Technology     | 3-0-0 | 6   | AB  |

Credits Taken: 38 Credits Cleared: 38 SPI: 8.26 CPI: 7.47



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