



# भारतीय प्रौद्योगिकी संस्थान पटना

## INDIAN INSTITUTE OF TECHNOLOGY PATNA



INTERIM TRANSCRIPT

TRANSCRIPT

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Roll No: 0501EE01  
Programme: Bachelor of Technology

Name: Aristotle Neubigin  
Course: EE

Year of Admission: 2005

### Semester1

| 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   | BC  |
| ME110     | Workshop - I                          | 0-0-3 | 3   | BB  |
| ME111     | Engineering Drawing                   | 2-0-3 | 7   | BC  |
| PH101     | Physics - I                           | 2-1-0 | 6   | BB  |

Credits Taken: 49.0 Credits Cleared: 49.0 CPI: 7.2 SPI: 7.2

### Semester2

| 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   | CC  |
| EE102     | Basic Electronics Laboratory | 0-0-4 | 4   | BB  |
| MA102     | Mathematics - II             | 3-1-0 | 8   | CC  |
| ME101     | Engineering Mechanics        | 3-1-0 | 8   | CC  |
| PH102     | Physics - II                 | 2-1-0 | 6   | BC  |
| PH110     | Physics Laboratory           | 0-0-3 | 3   | BB  |

Credits Taken: 44.0 Credits Cleared: 44.0 CPI: 6.85 SPI: 6.45

### Semester3

| Sub. Code | Subject Name                                    | L-T-P | CRD | GRD |
|-----------|---|-------|-----|-----|
| CS201     | Object Oriented Programming and Data Structures | 3-0-3 | 9   | CD  |
| EE200     | Semiconductor Devices and Circuits              | 3-0-0 | 6   | BC  |
| EE201     | Digital Circuits and Microprocessors            | 3-0-0 | 6   | CC  |
| EE202     | Digital Circuits Laboratory                     | 0-0-3 | 3   | BC  |
| EE220     | Signal, System and Networks                     | 3-1-0 | 8   | BC  |
| HS231     | Introductory Sociology                          | 3-0-0 | 6   | AB  |
| MA201     | Mathematics - III                               | 3-1-0 | 8   | CC  |

Credits Taken: 46.0 Credits Cleared: 46.0 CPI: 6.76 SPI: 6.57

### Semester4

| Sub. Code | Subject Name                            | L-T-P | CRD | GRD |
|-----------|---|-------|-----|-----|
| CH201     | Green Chemistry and Technology          | 3-0-0 | 6   | BB  |
| EE203     | Analog Integrated Circuits              | 3-0-0 | 6   | BC  |
| EE204     | Analog Circuits Laboratory              | 0-0-3 | 3   | AB  |
| EE230     | Principles of Communication             | 3-1-0 | 8   | BC  |
| EE280     | Electrical Machines                     | 3-0-0 | 6   | CD  |
| EE281     | Electrical Machines Laboratory          | 0-0-3 | 3   | DD  |
| HS222     | Language, Human Mind and Indian Society | 3-0-0 | 6   | AB  |
| MA225     | Probability Theory and Random Processes | 3-1-0 | 8   | CC  |

Credits Taken: 46.0 Credits Cleared: 46.0 CPI: 6.79 SPI: 6.89

### Semester5

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

Credits Taken: 39.0 Credits Cleared: 39.0 CPI: 6.88 SPI: 7.31

### Semester6

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

Credits Taken: 40.0 Credits Cleared: 40.0 CPI: 6.87 SPI: 6.83

### Semester7

| 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   | CC  |
| EE481     | Power Electronics and Drives                   | 3-0-0 | 6   | CD  |
| EE482     | Advanced Electrical Engineering Laboratory     | 0-0-3 | 3   | BC  |
| EE490     | Image Processing                               | 3-0-0 | 6   | BB  |
| EE498     | Project - I                                    | 0-0-8 | 10  | BB  |
| PH401     | Introduction to Nanomaterials                  | 3-0-0 | 6   | BB  |

Credits Taken: 45.0 Credits Cleared: 45.0 CPI: 6.94 SPI: 7.31

### Semester8

| Sub. Code | Subject Name                              | L-T-P  | CRD | GRD |
|-----------|---|--------|-----|-----|
| CE442     | Industrial Waste Treatment and Management | 3-0-0  | 6   | BC  |
| EE483     | Distributed Energy Resources              | 3-0-0  | 6   | CC  |
| EE499     | Project - II                              | 0-0-14 | 14  | BC  |
| EE508     | Intelligent Visual Surveillance Systems   | 3-0-0  | 6   | CD  |
| HS441     | Industrial and Organizational Psychology  | 3-0-0  | 6   | AB  |

Credits Taken: 38.0 Credits Cleared: 38.0 CPI: 6.93 SPI: 6.84

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Assistant Registrar(Academic)